

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
 Data File : VL040421.D
 Acq On : 12 May 2023 16:48
 Operator : SY/MD
 Sample : VL0512ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Quant Time: May 15 00:42:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1047022	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2630229	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2580965	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2019916	9.464	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	1937899	10.265	ppbv	98
3) Chlorodifluoromethane	2.658	51	1263609	9.236	ppbv	99
4) Chloromethane	2.796	50	805191	9.316	ppbv	99
5) Vinyl Chloride	2.902	62	691853	9.698	ppbv	98
6) Bromomethane	3.102	94	217461	9.252	ppbv	100
7) Chloroethane	3.182	64	249416	9.233	ppbv	96
8) Dichlorotetrafluoroethane	2.838	85	1746550	9.467	ppbv	98
9) Propene	2.677	41	505761	9.357	ppbv	99
10) Heptane	7.577	43	1284496	10.457	ppbv	100
11) Trichlorofluoromethane	3.549	101	1786690	9.349	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.054	101	1266049	9.472	ppbv	100
13) Ethanol	3.230	45	31540	6.990	ppbv	89
14) Bromoethene	3.349	108	535435	9.797	ppbv	100
15) Acetone	3.452	43	1293426	8.722	ppbv	99
16) 1,3-Butadiene	2.967	39	611507	9.964	ppbv	99
17) tert-Butyl alcohol	3.861	59	1281731	9.412	ppbv	100
18) 1,1-Dichloroethene	3.867	96	580025	9.622	ppbv	93
19) Isopropyl Alcohol	3.558	45	603322	8.916	ppbv	100
20) Methylene Chloride	3.918	84	505072	8.531	ppbv	98
21) Allyl Chloride	3.983	41	819396	9.724	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	570463	9.466	ppbv	99
23) Vinyl Acetate	4.616	43	362168	9.592	ppbv #	97
24) 1,1-Dichloroethane	4.552	63	1183087	9.415	ppbv	100
25) Ethyl Acetate	5.195	43	2440559	9.780	ppbv	100
26) Hexane	5.201	57	1030085	9.792	ppbv	100
27) Carbon Disulfide	4.111	76	1427563	10.486	ppbv	99
28) Methyl tert-Butyl Ether	4.574	73	1046757	9.639	ppbv	99
29) Chloroform	5.266	83	1796065	9.584	ppbv	97
30) Cyclohexane	6.594	84	856880	10.517	ppbv	99
31) cis-1,2-Dichloroethene	5.070	61	1065814	10.222	ppbv	99
32) 1,1,1-Trichloroethane	5.996	97	1835541	10.081	ppbv	99
34) 2-Butanone	4.774	43	1443367	10.177	ppbv	99
35) Carbon Tetrachloride	6.488	117	1867170	10.085	ppbv	99
36) Benzene	6.365	78	2160939	10.070	ppbv	100
37) 1,2-Dichloroethane	5.799	62	1408072	9.989	ppbv	100
38) Trichloroethene	7.288	130	1327073	10.866	ppbv	99
39) 1,2-Dichloropropane	7.069	63	833056	9.866	ppbv	97
40) 1,4-Dioxane	7.282	88	316009	9.772	ppbv #	99
41) Tetrahydrofuran	5.545	42	822812	10.593	ppbv	99
42) Bromodichloromethane	7.246	83	1984809	10.311	ppbv	99
43) Methyl Methacrylate	7.471	69	880993	11.053	ppbv	100
44) 2,2,4-Trimethylpentane	7.323	57	3585864	10.004	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	863220	12.125	ppbv	96

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Instrument :
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 VL0512ABS01

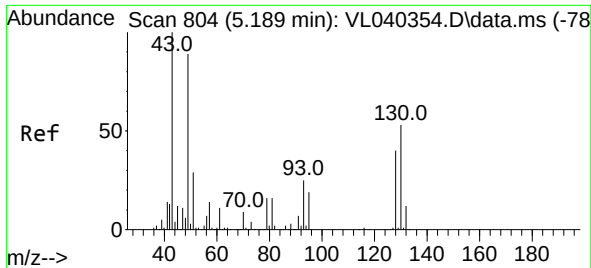
Quant Time: May 15 00:42:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1163728	11.743	ppbv	97
47) 1,1,2-Trichloroethane	8.899	97	922229	9.962	ppbv	98
48) Dibromochloromethane	9.712	129	1611050	10.805	ppbv	100
49) Bromoform	12.410	173	1303472	11.209	ppbv	99
50) 4-Methyl-2-Pentanone	8.176	43	2246270	10.445	ppbv	99
51) 2-Hexanone	9.548	43	1748256	11.002	ppbv	99
52) Tetrachloroethene	10.616	164	741133	11.041	ppbv	97
53) Toluene	9.221	91	2484521	10.921	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1037085	11.049	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.510	131	1160748	9.853	ppbv	96
57) Chlorobenzene	11.529	112	1943794	9.619	ppbv	99
58) Ethyl Benzene	12.089	91	3464273	10.911	ppbv	98
59) m/p-Xylene	12.378	91	2925344	10.019	ppbv #	28
60) o-Xylene	13.060	91	2939307	10.489	ppbv	100
61) Styrene	12.902	104	1671865	11.911	ppbv	99
62) Isopropylbenzene	14.034	105	4086516	10.127	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	918542	8.957	ppbv	100
64) n-propylbenzene	14.921	120	1044091	10.515	ppbv	98
65) tert-Butylbenzene	16.095	119	3583572	10.093	ppbv	99
66) Benzyl Chloride	16.333	91	245103	11.150	ppbv	100
67) sec-Butylbenzene	16.641	105	5114662	10.029	ppbv	99
69) p-Isopropyltoluene	17.002	119	4097978	10.291	ppbv	99
70) n-Butylbenzene	17.889	91	4480932	10.151	ppbv	100
71) 2-Chlorotoluene	14.806	91	3182125	10.271	ppbv	99
72) 4-Ethyltoluene	15.198	105	3352119	10.836	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2991238	10.468	ppbv	97
74) 1,2,4-Trimethylbenzene	16.111	105	3306834	10.125	ppbv	99
75) 1,3-Dichlorobenzene	16.336	146	1791467	10.014	ppbv	99
76) 1,4-Dichlorobenzene	16.477	146	1752681	9.916	ppbv	99
77) 1,2-Dichlorobenzene	17.149	146	1711462	9.675	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	1306075	9.210	ppbv	100
79) Naphthalene	21.387	128	2739215	12.425	ppbv	99
80) Naphthalene,2-methyl-	24.377	142	840788	12.812	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	1437078	10.607	ppbv	98

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.182 min Scan# 80

Delta R.T. -0.007 min

Lab File: VL040421.D

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MSVOA_L

ClientSampleId :

VL0512ABS01

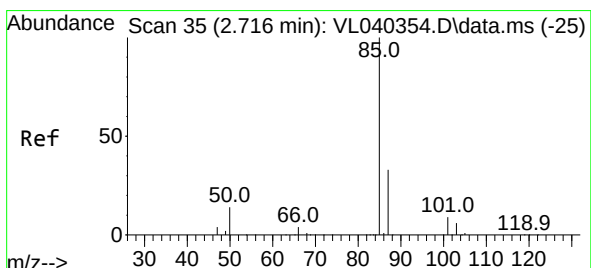
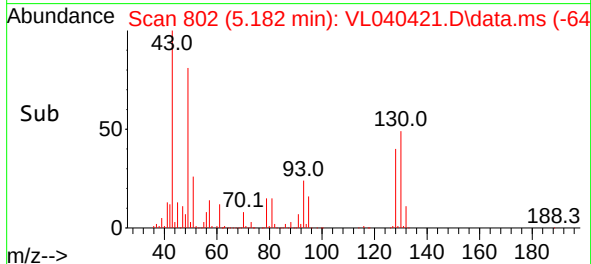
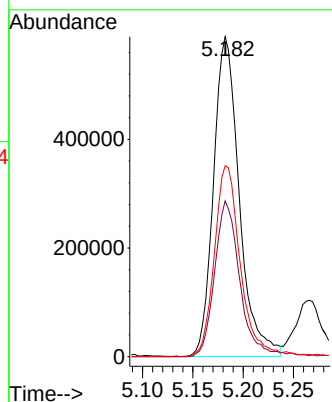
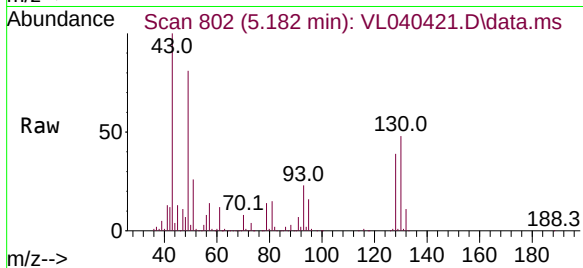
Tgt Ion: 49 Resp: 1047022

Ion Ratio Lower Upper

49 100

128 48.7 23.7 71.1

130 61.4 29.9 89.8



#2

Dichlorodifluoromethane

Concen: 10.265 ppbv

RT: 2.713 min Scan# 34

Delta R.T. -0.003 min

Lab File: VL040421.D

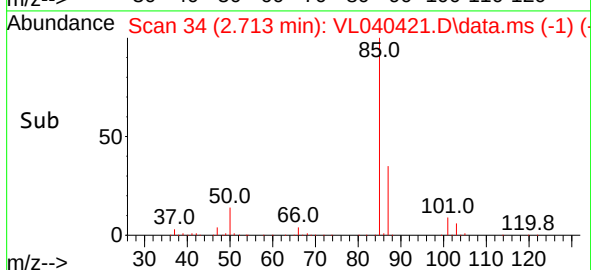
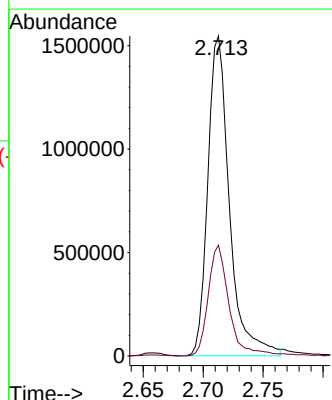
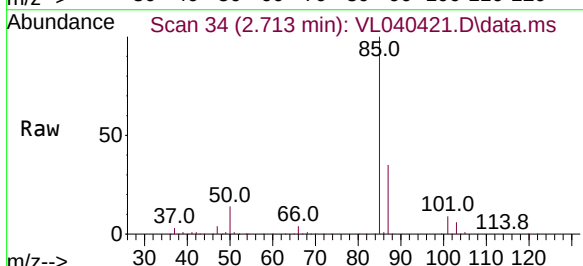
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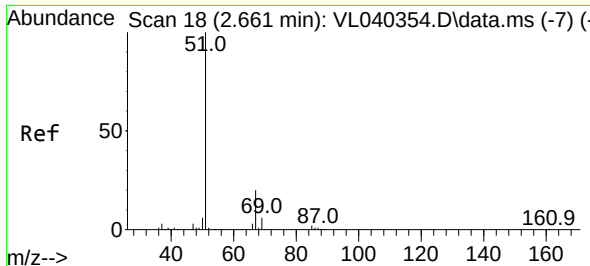
Tgt Ion: 85 Resp: 1937899

Ion Ratio Lower Upper

85 100

87 34.6 26.6 40.0

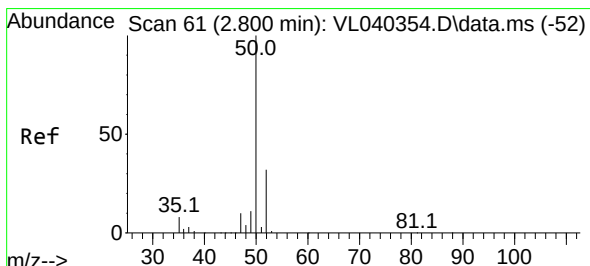
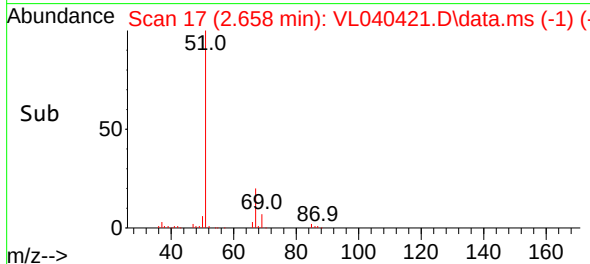
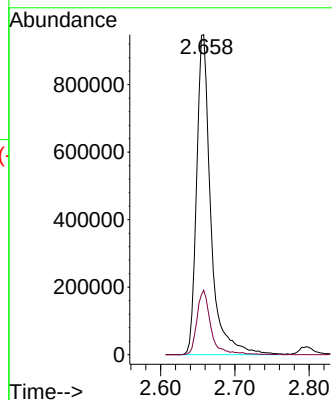
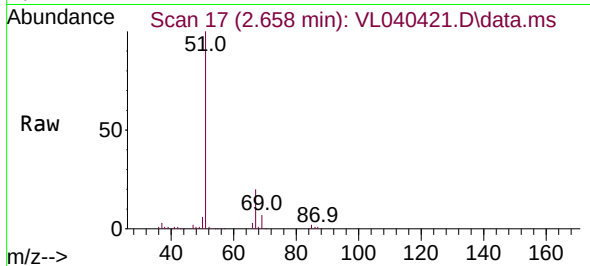




#3
Chlorodifluoromethane
Concen: 9.236 ppbv
RT: 2.658 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

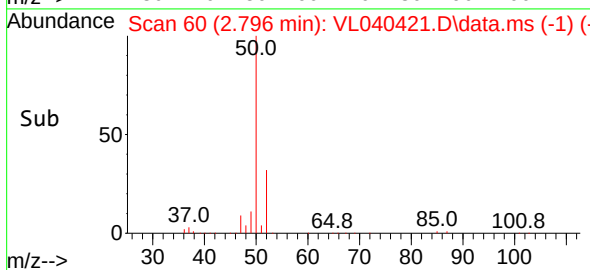
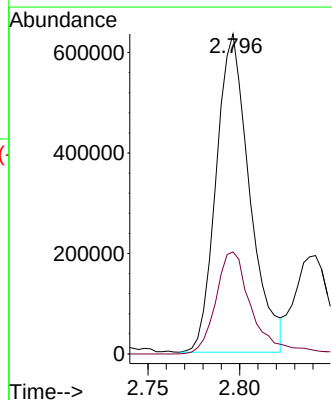
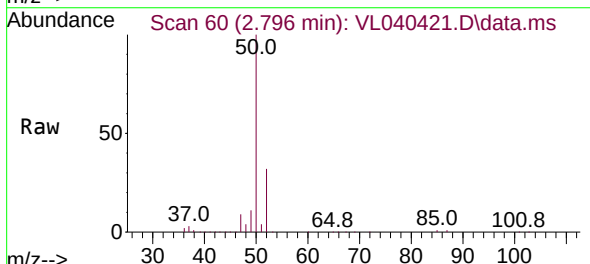
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

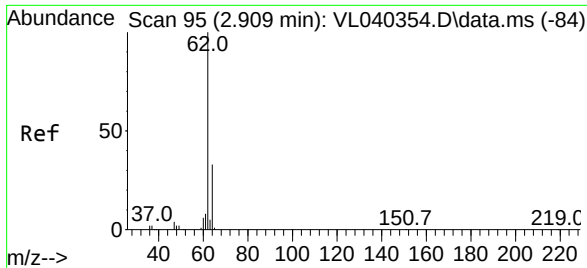
Tgt Ion: 51 Resp: 1263609
Ion Ratio Lower Upper
51 100
67 19.9 15.5 23.3



#4
Chloromethane
Concen: 9.316 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.004 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 50 Resp: 805191
Ion Ratio Lower Upper
50 100
52 32.0 25.3 37.9

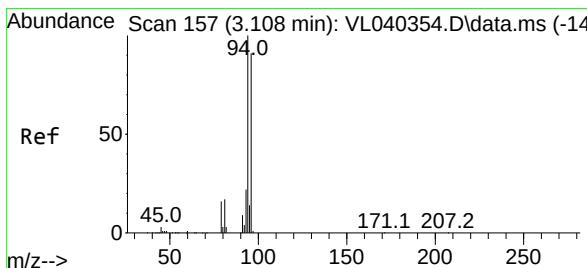
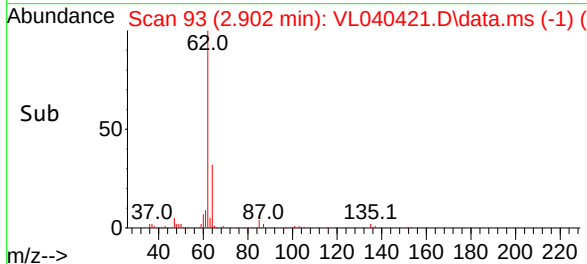
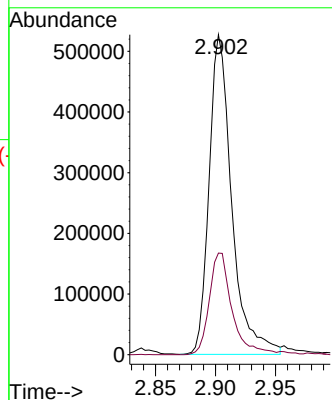
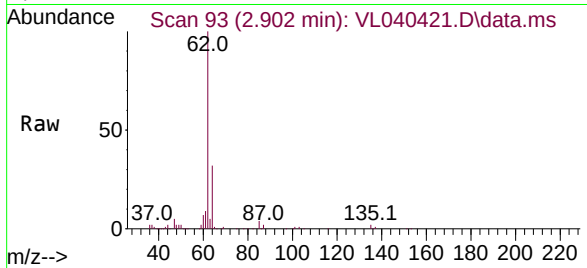




#5
 Vinyl Chloride
 Concen: 9.698 ppbv
 RT: 2.902 min Scan# 91
 Delta R.T. -0.007 min
 Lab File: VL040421.D
 Acq: 12 May 2023 16:48

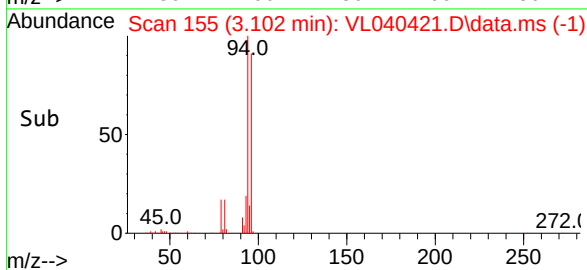
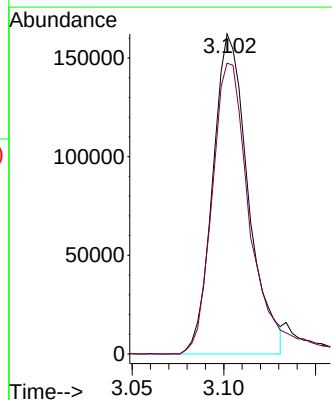
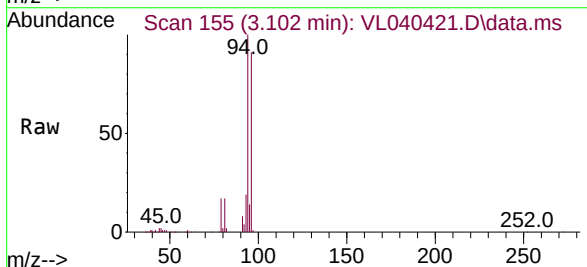
Instrument :
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 ClientSampleId :
 VL0512ABS01

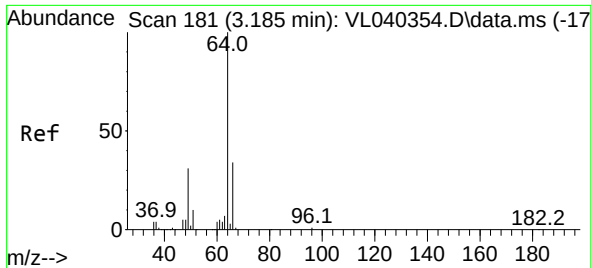
Tgt Ion: 62 Resp: 691853
 Ion Ratio Lower Upper
 62 100
 64 31.8 26.3 39.5



#6
 Bromomethane
 Concen: 9.252 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. -0.006 min
 Lab File: VL040421.D
 Acq: 12 May 2023 16:48

Tgt Ion: 94 Resp: 217461
 Ion Ratio Lower Upper
 94 100
 96 90.9 72.6 108.8

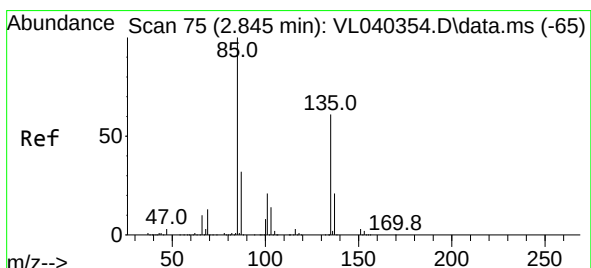
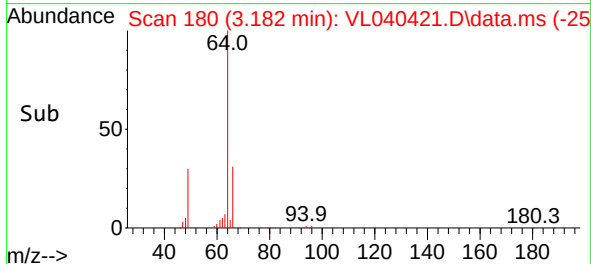
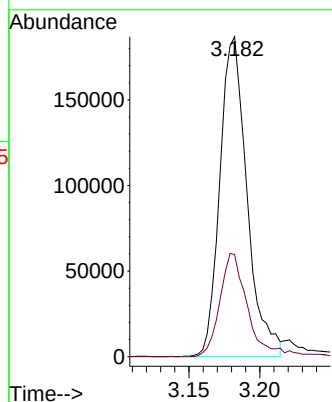
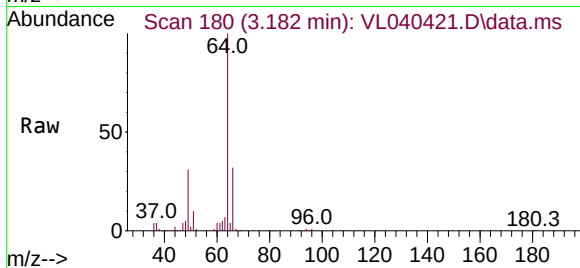




#7
Chloroethane
Concen: 9.233 ppbv
RT: 3.182 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

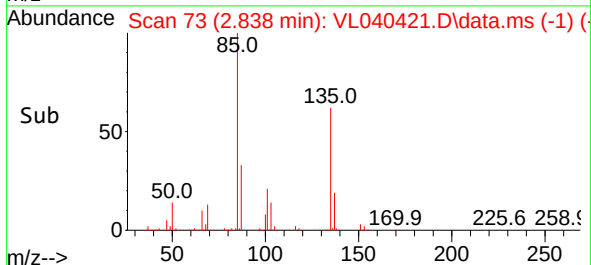
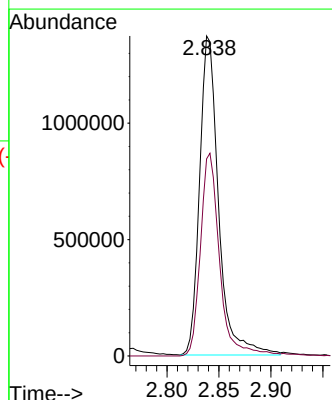
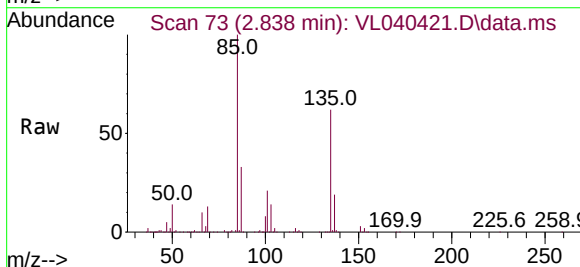
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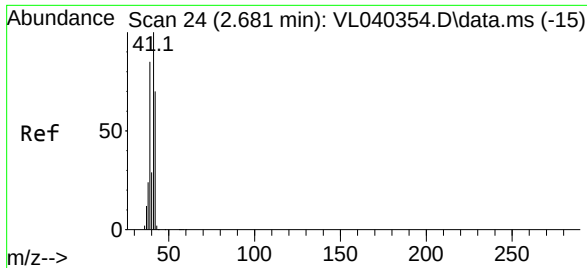
Tgt Ion: 64 Resp: 249416
Ion Ratio Lower Upper
64 100
66 31.9 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 9.467 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 85 Resp: 1746550
Ion Ratio Lower Upper
85 100
135 64.8 50.7 76.1

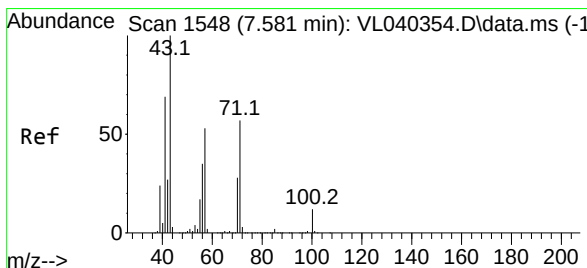
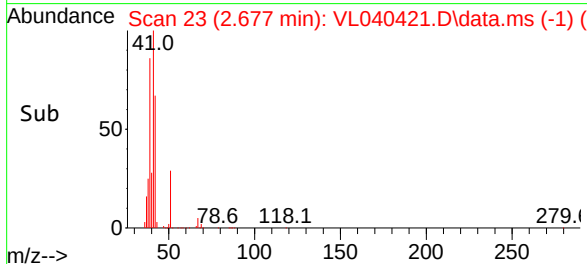
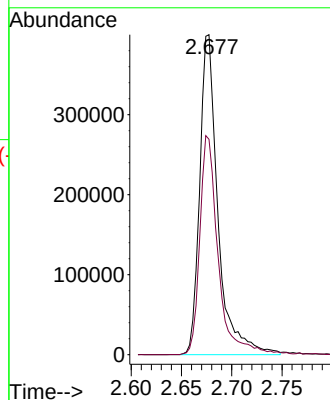
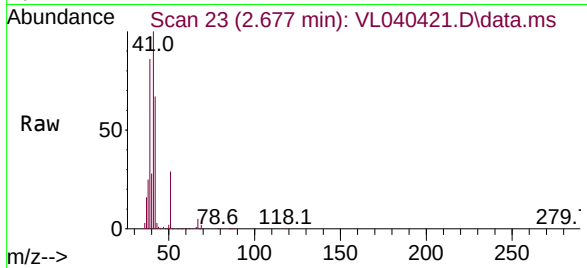




#9
 Propene
 Concen: 9.357 ppbv
 RT: 2.677 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: VL040421.D
 Acq: 12 May 2023 16:48

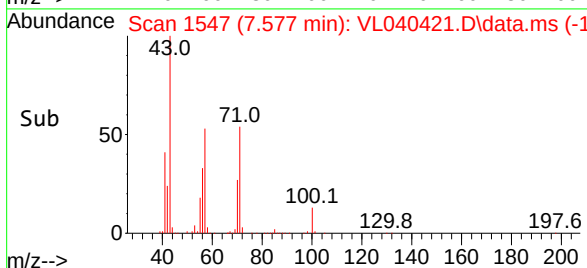
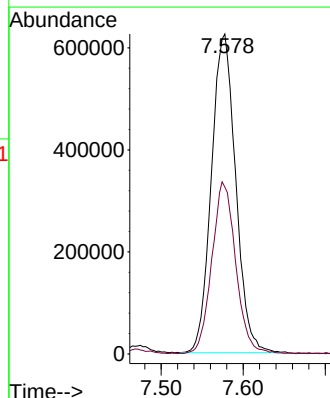
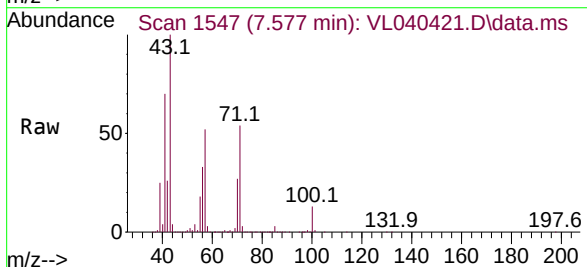
Instrument :
 MSVOA_L
 ClientSampleId :
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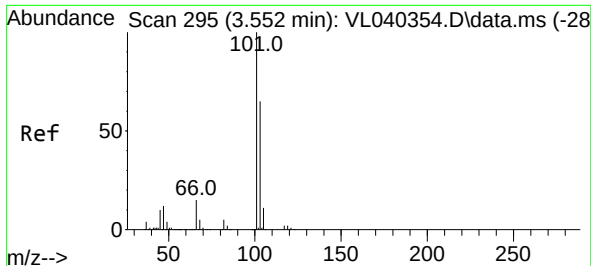
Tgt Ion: 41 Resp: 505761
 Ion Ratio Lower Upper
 41 100
 42 69.5 56.5 84.7



#10
 Heptane
 Concen: 10.457 ppbv
 RT: 7.577 min Scan# 1547
 Delta R.T. -0.004 min
 Lab File: VL040421.D
 Acq: 12 May 2023 16:48

Tgt Ion: 43 Resp: 1284496
 Ion Ratio Lower Upper
 43 100
 57 52.9 42.2 63.4

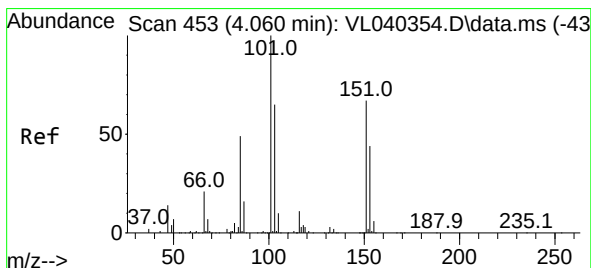
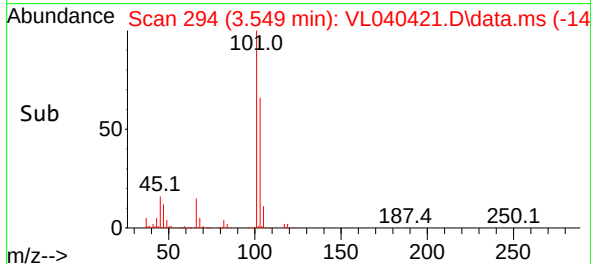
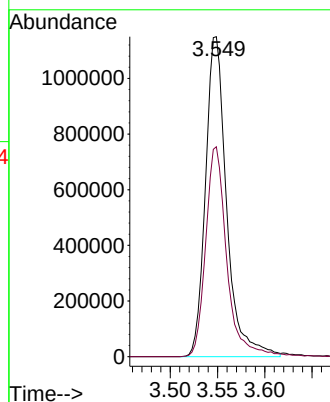
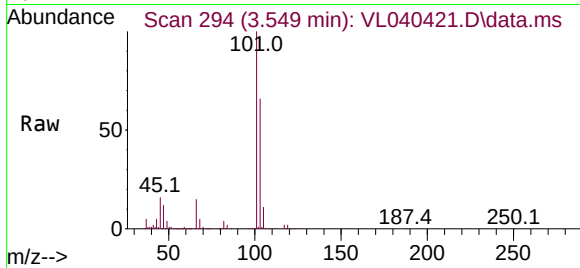




#11
 Trichlorofluoromethane
 Concen: 9.349 ppbv
 RT: 3.549 min Scan# 295
 Delta R.T. -0.003 min
 Lab File: VL040421.D
 Acq: 12 May 2023 16:48

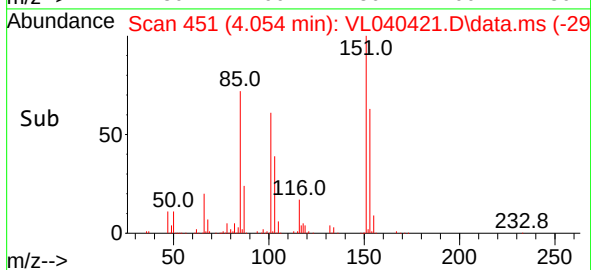
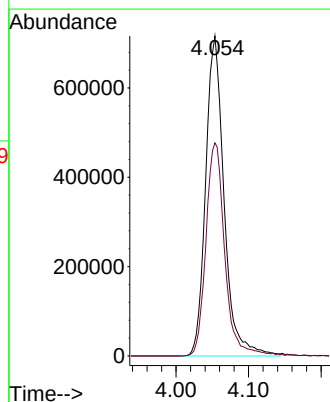
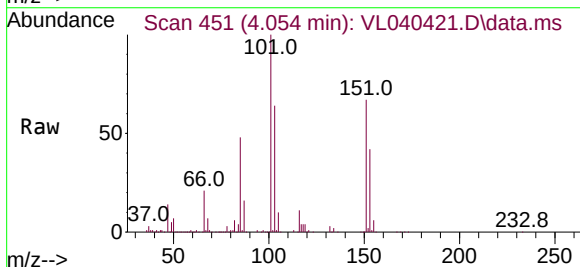
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

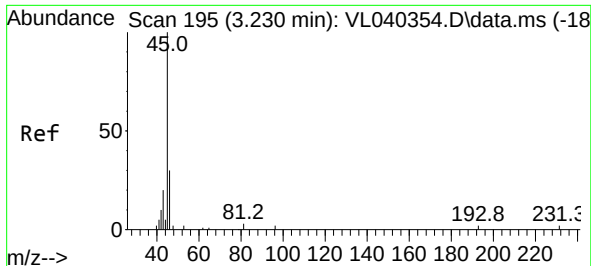
Tgt Ion:101 Resp: 1786690
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.2 78.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.472 ppbv
 RT: 4.054 min Scan# 451
 Delta R.T. -0.006 min
 Lab File: VL040421.D
 Acq: 12 May 2023 16:48

Tgt Ion:101 Resp: 1266049
 Ion Ratio Lower Upper
 101 100
 151 68.2 54.7 82.1

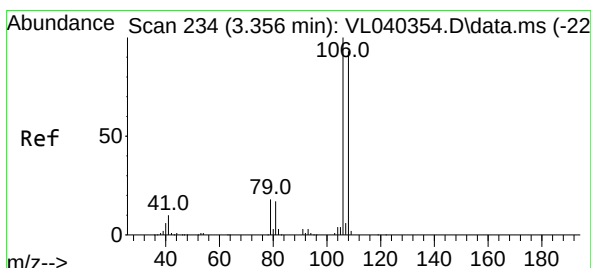
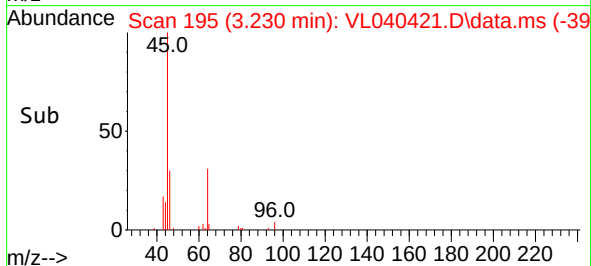
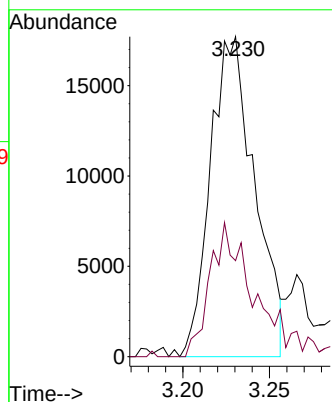
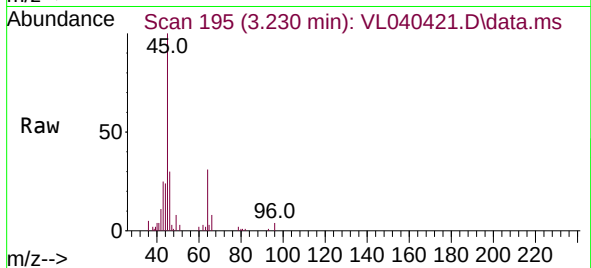




#13
Ethanol
Concen: 6.990 ppbv
RT: 3.230 min Scan# 195
Delta R.T. 0.000 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

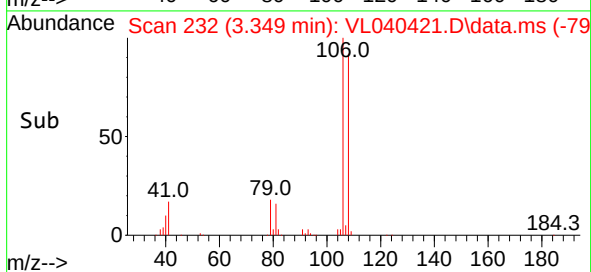
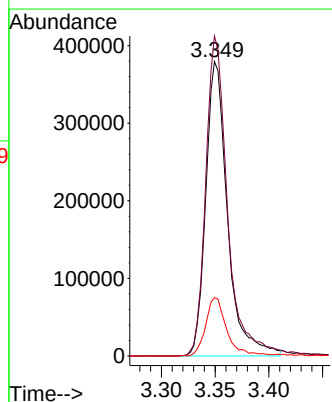
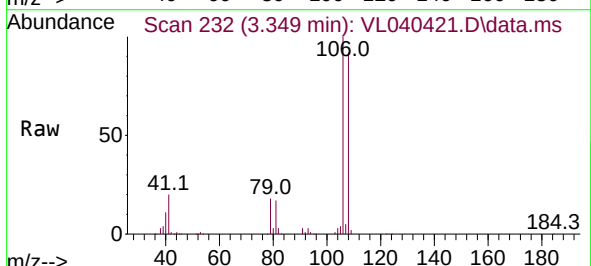
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

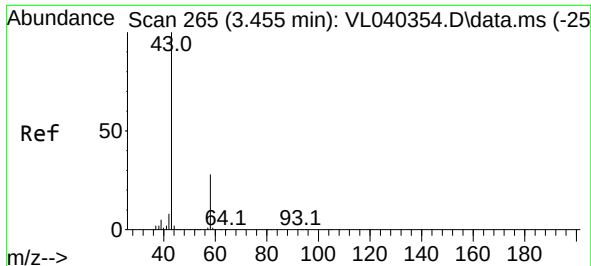
Tgt Ion: 45 Resp: 31540
Ion Ratio Lower Upper
45 100
46 44.9 15.3 61.3



#14
Bromoethene
Concen: 9.797 ppbv
RT: 3.349 min Scan# 232
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 108 Resp: 535435
Ion Ratio Lower Upper
108 100
106 110.8 88.3 132.5
79 19.8 16.1 24.1

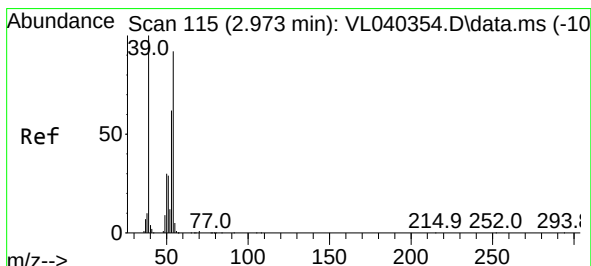
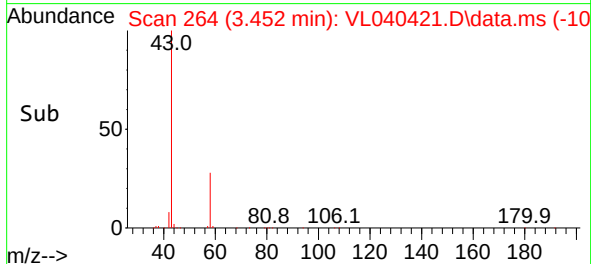
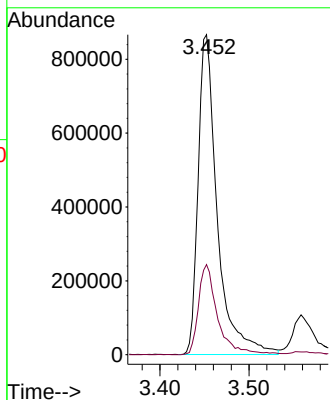
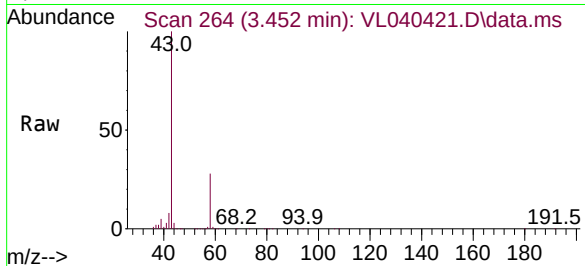




#15
Acetone
Concen: 8.722 ppbv
RT: 3.452 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

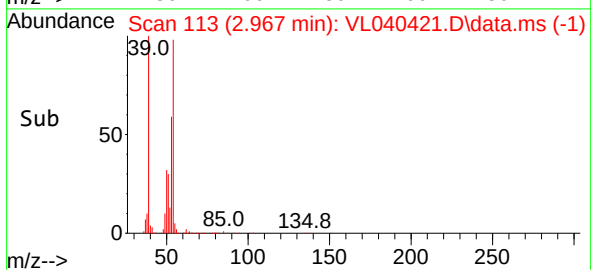
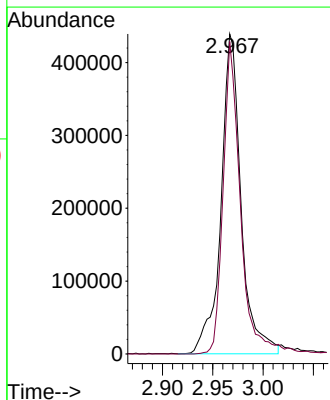
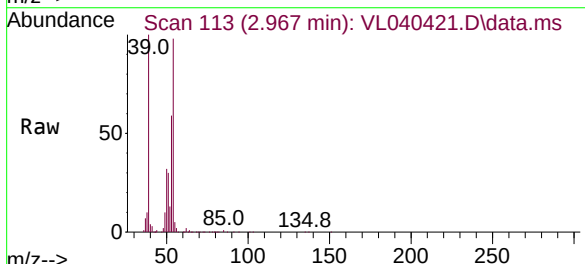
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

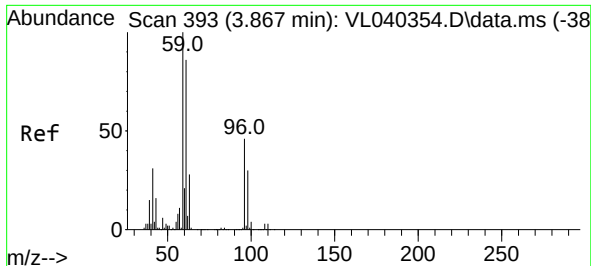
Tgt Ion: 43 Resp: 1293426
Ion Ratio Lower Upper
43 100
58 28.2 22.2 33.2



#16
1,3-Butadiene
Concen: 9.964 ppbv
RT: 2.967 min Scan# 113
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 39 Resp: 611507
Ion Ratio Lower Upper
39 100
54 85.1 68.8 103.2





#17

tert-Butyl alcohol

Concen: 9.412 ppbv

RT: 3.861 min Scan# 391

Delta R.T. -0.006 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Instrument :

MSVOA_L

ClientSampleId :

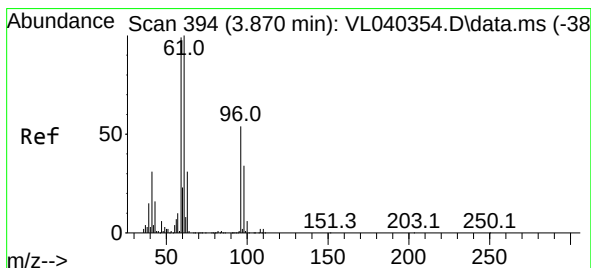
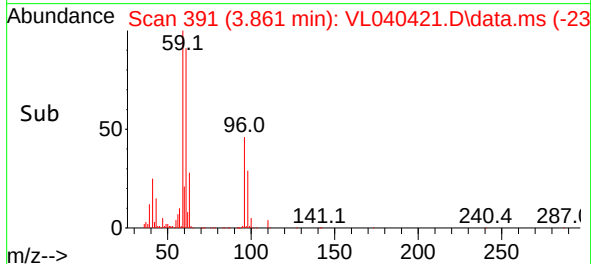
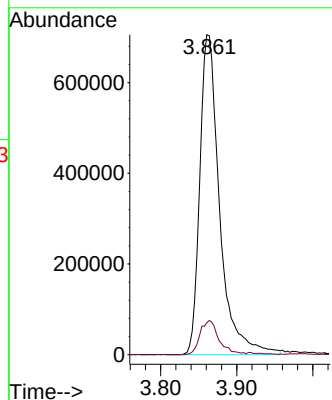
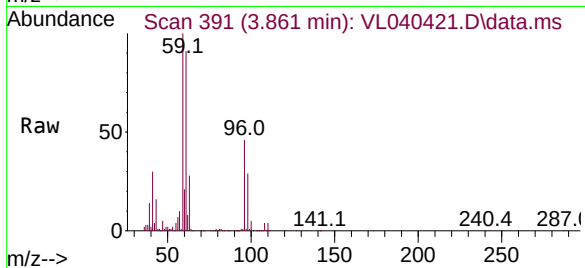
VL0512ABS01

Tgt Ion: 59 Resp: 1281731

Ion Ratio Lower Upper

59 100

57 10.8 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.622 ppbv

RT: 3.867 min Scan# 393

Delta R.T. -0.003 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

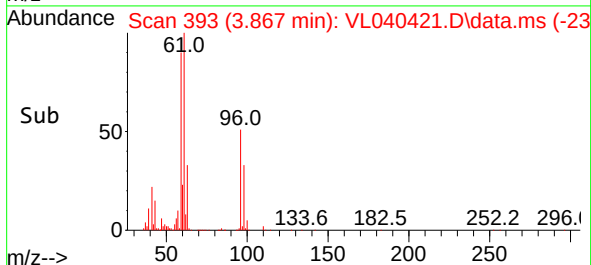
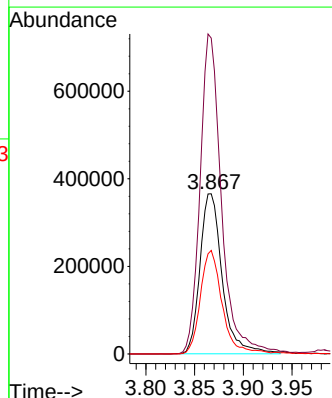
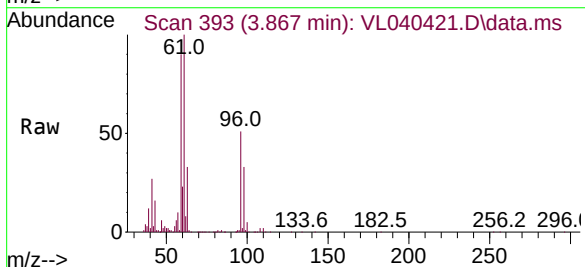
Tgt Ion: 96 Resp: 580025

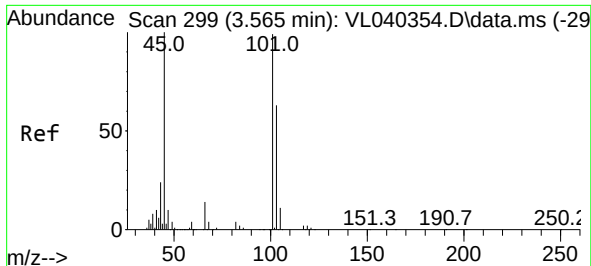
Ion Ratio Lower Upper

96 100

61 196.9 148.3 222.5

98 64.6 49.8 74.8





#19

Isopropyl Alcohol

Concen: 8.916 ppbv

RT: 3.558 min Scan# 299

Delta R.T. -0.007 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Instrument :

MSVOA_1

ClientSampleId :

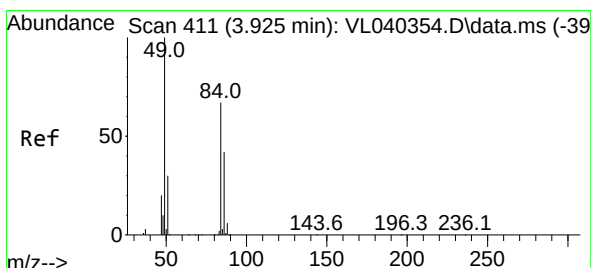
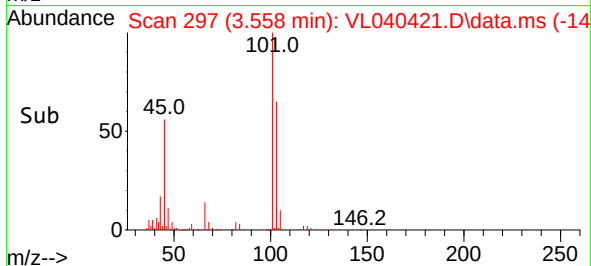
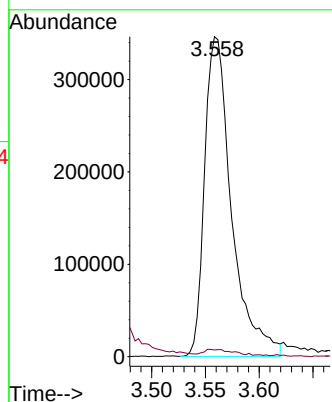
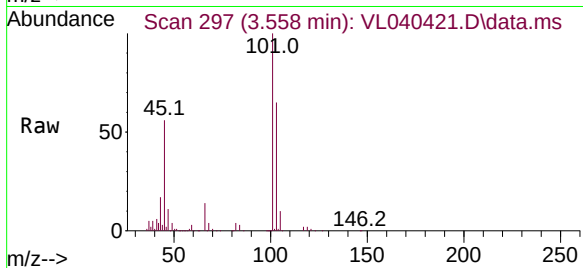
VL0512ABS01

Tgt Ion: 45 Resp: 603322

Ion Ratio Lower Upper

45 100

58 3.3 2.6 4.0



#20

Methylene Chloride

Concen: 8.531 ppbv

RT: 3.918 min Scan# 409

Delta R.T. -0.007 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Tgt Ion: 84 Resp: 505072

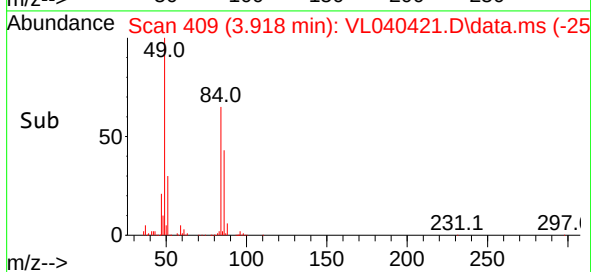
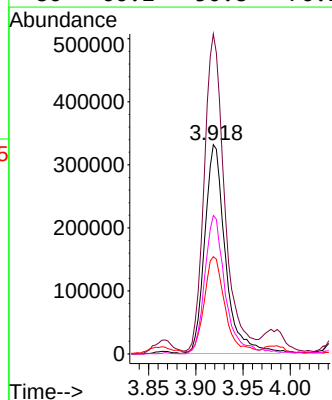
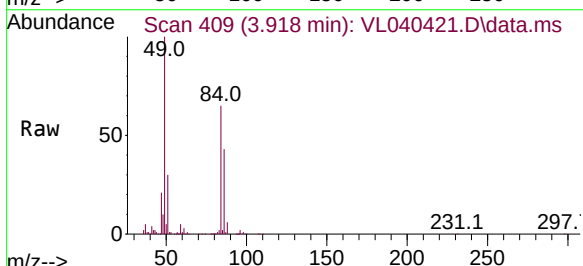
Ion Ratio Lower Upper

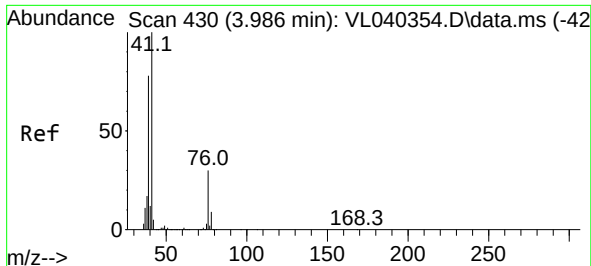
84 100

49 151.4 120.1 180.1

51 45.1 36.3 54.5

86 66.2 50.8 76.2





#21

Allyl Chloride

Concen: 9.724 ppbv

RT: 3.983 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

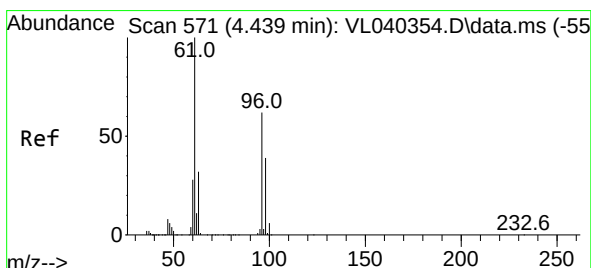
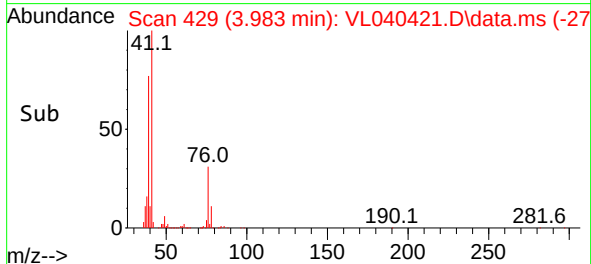
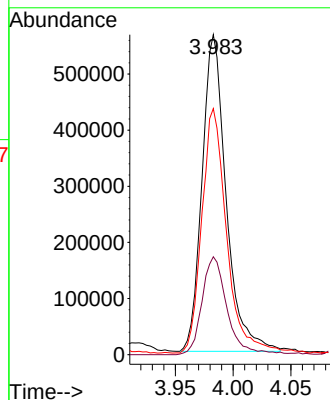
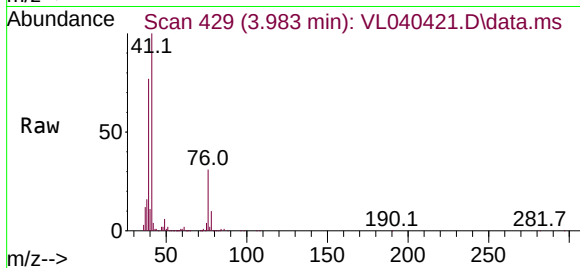
Tgt Ion: 41 Resp: 819396

Ion Ratio Lower Upper

41 100

76 32.4 25.5 38.3

39 80.6 64.0 96.0



#22

trans-1,2-Dichloroethene

Concen: 9.466 ppbv

RT: 4.433 min Scan# 569

Delta R.T. -0.006 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

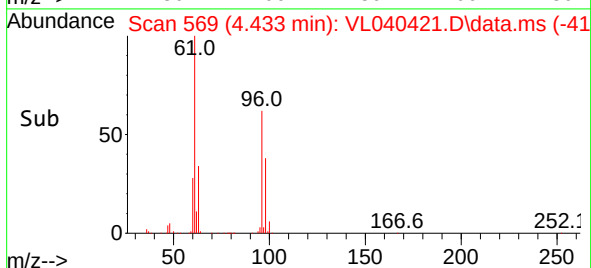
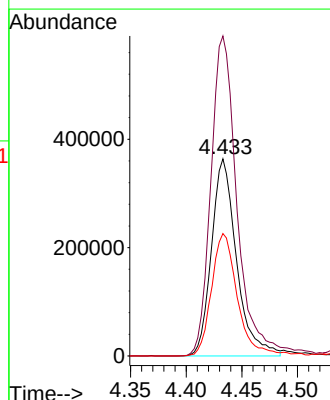
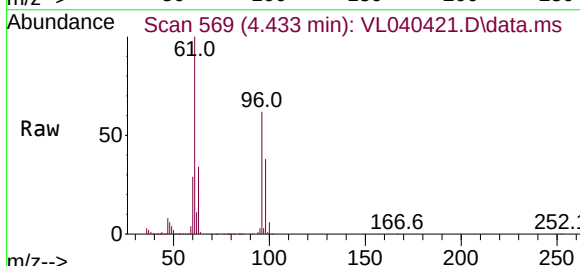
Tgt Ion: 96 Resp: 570463

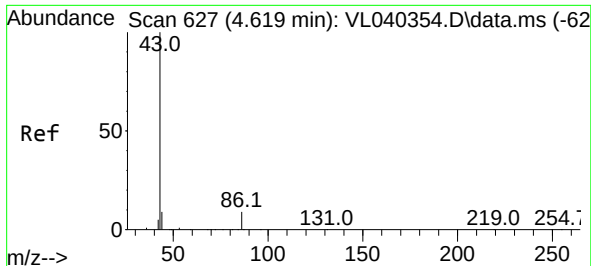
Ion Ratio Lower Upper

96 100

61 162.3 129.4 194.2

98 62.1 51.0 76.4

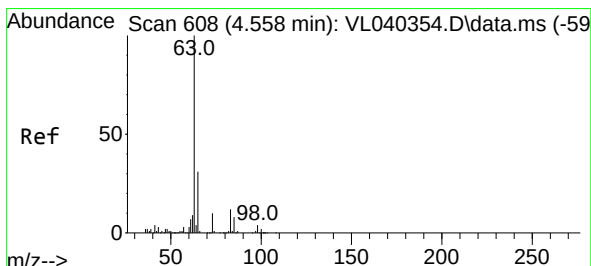
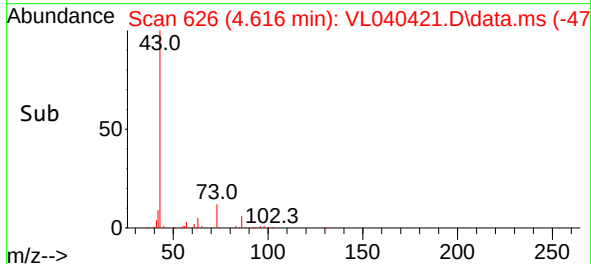
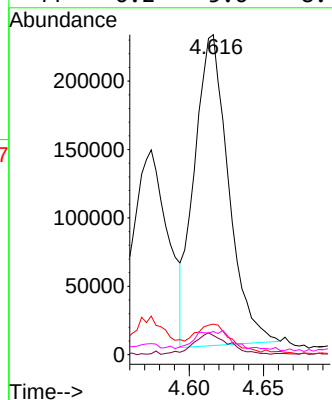
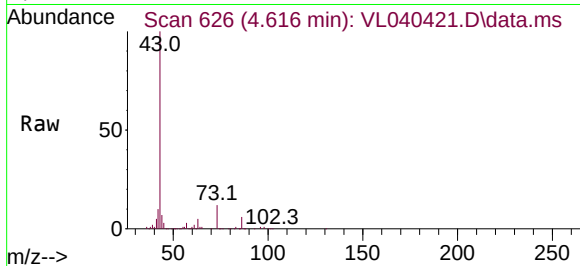




#23
 Vinyl Acetate
 Concen: 9.592 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL040421.D
 Acq: 12 May 2023 16:48

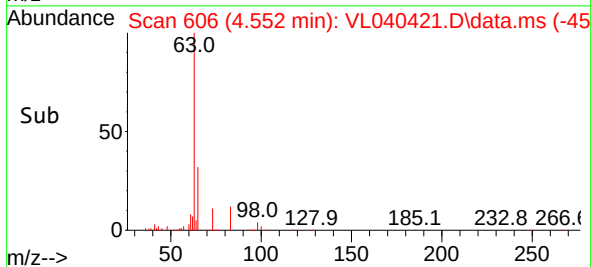
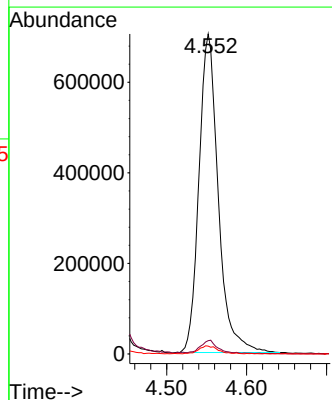
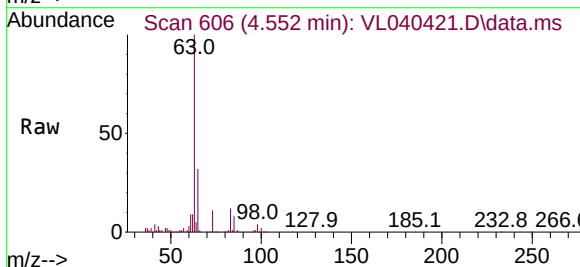
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0512ABS01

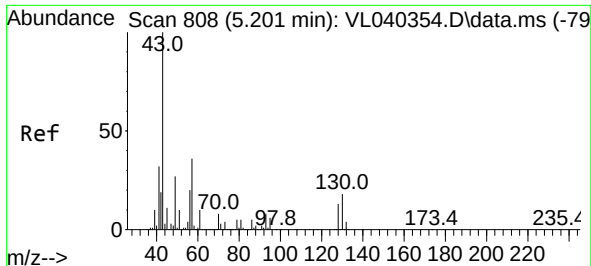
Tgt Ion:	43	Resp:	362168
Ion	Ratio	Lower	Upper
43	100		
86	5.9	6.0	9.0#
42	8.9	6.4	9.6
44	6.2	5.6	8.4



#24
 1,1-Dichloroethane
 Concen: 9.415 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. -0.006 min
 Lab File: VL040421.D
 Acq: 12 May 2023 16:48

Tgt Ion:	63	Resp:	1183087
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	2.4	1.2	3.6



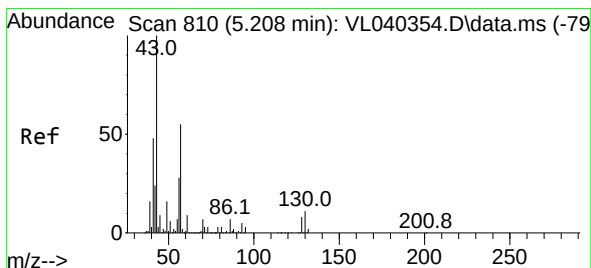
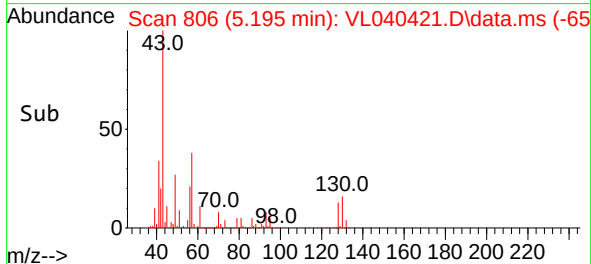
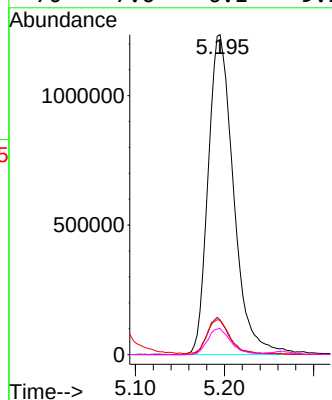
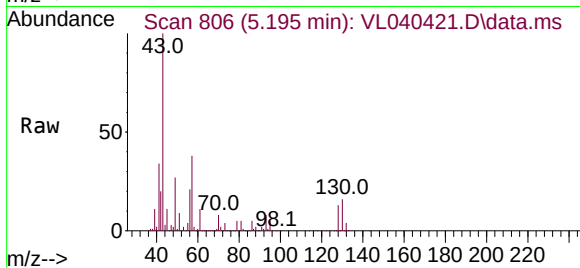


#25
Ethyl Acetate
Concen: 9.780 ppbv
RT: 5.195 min Scan# 808
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

Tgt Ion: 43 Resp: 2440559

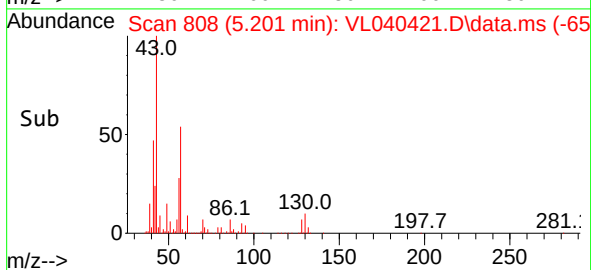
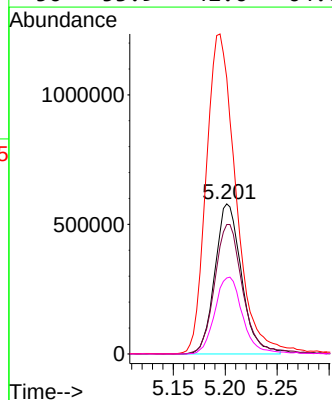
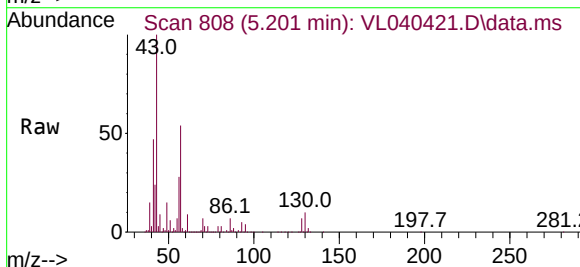
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	10.5	8.5	12.7
70	7.6	6.1	9.1

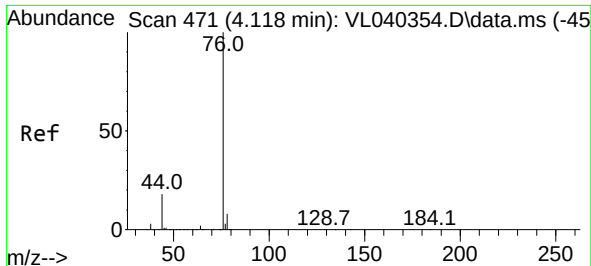


#26
Hexane
Concen: 9.792 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 57 Resp: 1030085

Ion	Ratio	Lower	Upper
57	100		
41	92.6	74.8	112.2
43	241.0	192.7	289.1
56	53.9	42.6	64.0

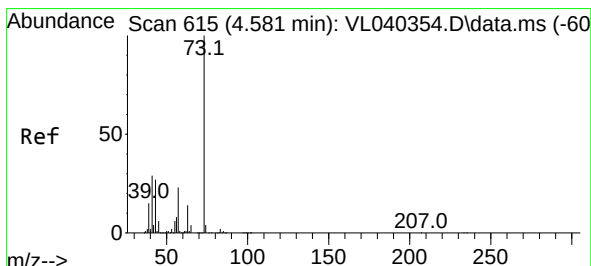
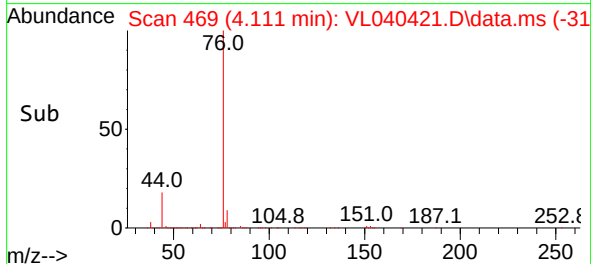
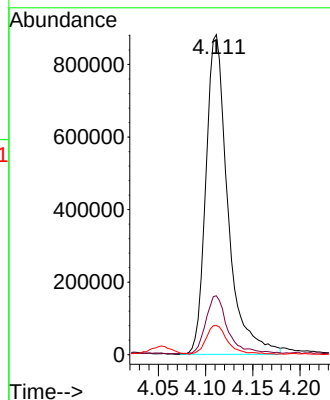
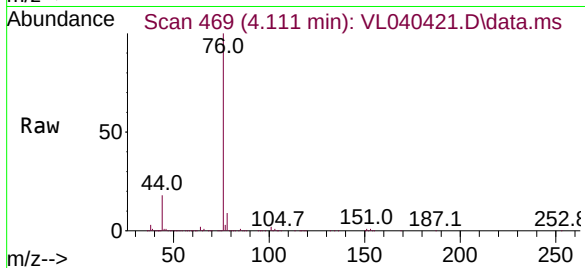




#27
Carbon Disulfide
Concen: 10.486 ppbv
RT: 4.111 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

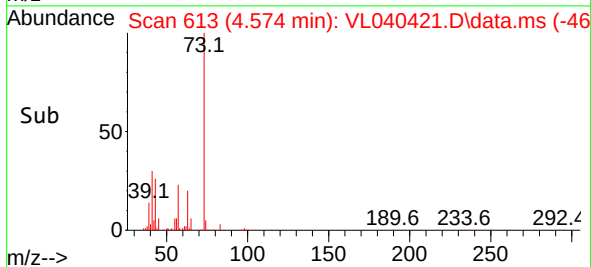
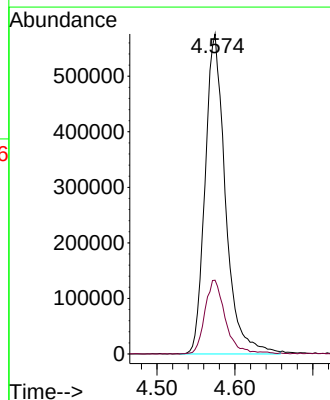
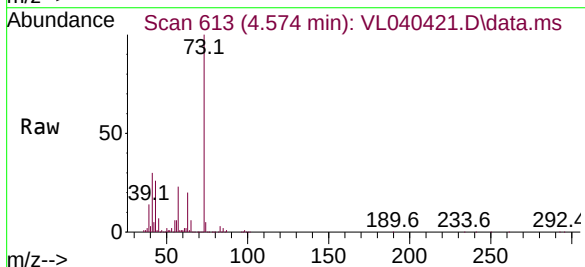
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

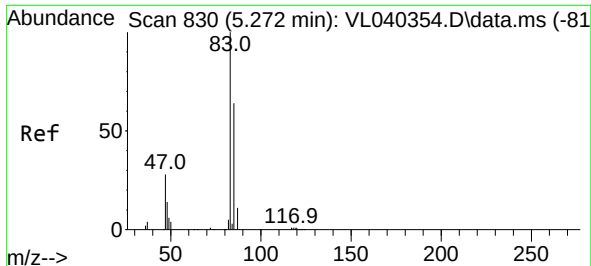
Tgt Ion: 76 Resp: 1427563
Ion Ratio Lower Upper
76 100
44 18.2 14.7 22.1
78 9.3 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 9.639 ppbv
RT: 4.574 min Scan# 613
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 73 Resp: 1046757
Ion Ratio Lower Upper
73 100
57 23.5 18.6 27.8





#29

Chloroform

Concen: 9.584 ppbv

RT: 5.266 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Instrument :

MSVOA_L

ClientSampleId :

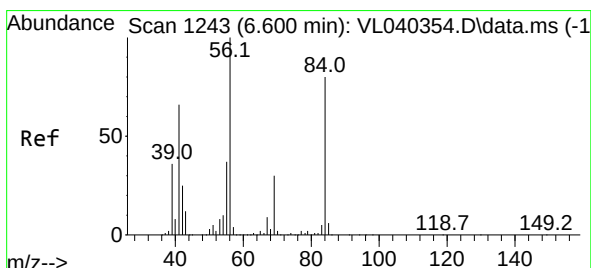
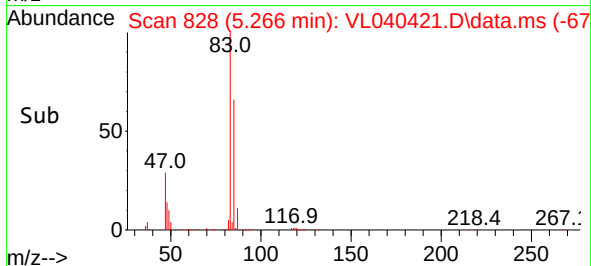
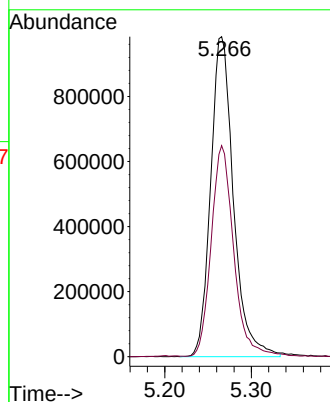
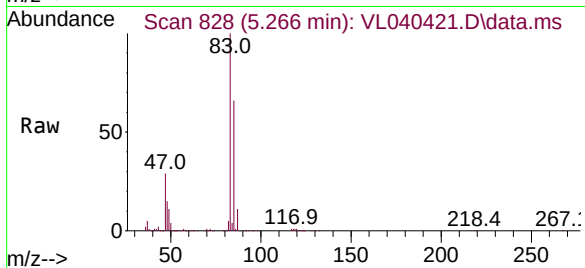
VL0512ABS01

Tgt Ion: 83 Resp: 1796065

Ion Ratio Lower Upper

83 100

85 65.8 51.0 76.4



#30

Cyclohexane

Concen: 10.517 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.006 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

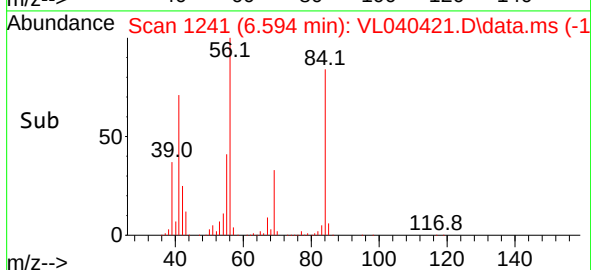
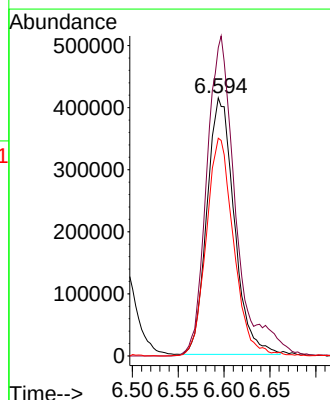
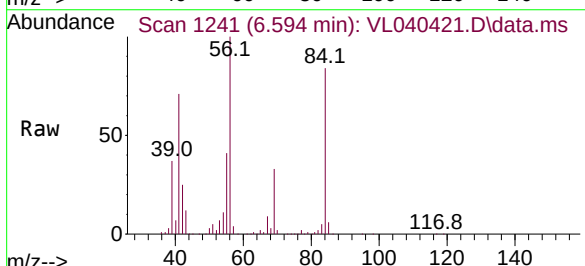
Tgt Ion: 84 Resp: 856880

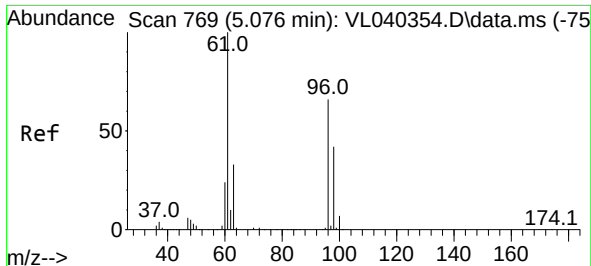
Ion Ratio Lower Upper

84 100

56 132.9 107.0 160.6

41 85.5 66.7 100.1



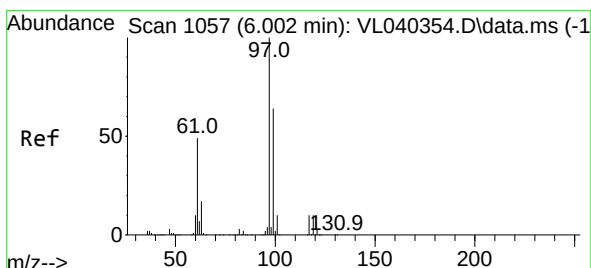
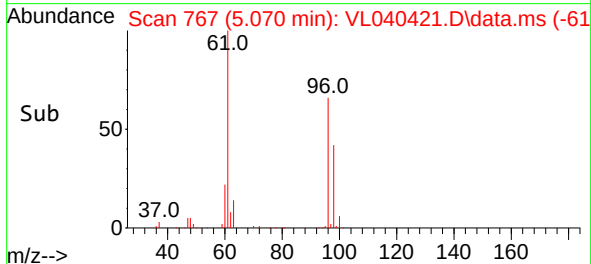
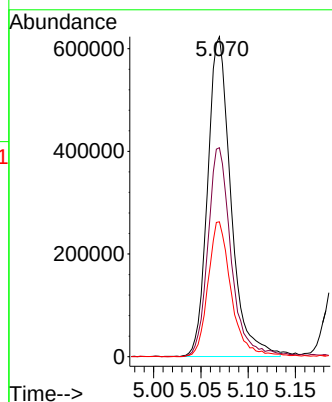
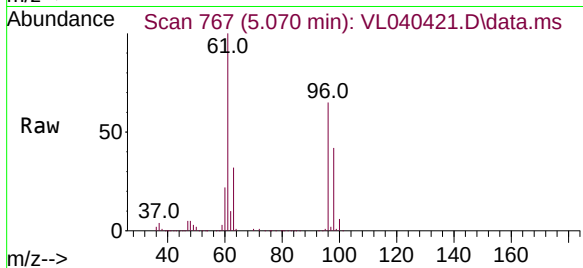


#31
 cis-1,2-Dichloroethene
 Concen: 10.222 ppbv
 RT: 5.070 min Scan# 769
 Delta R.T. -0.006 min
 Lab File: VL040421.D
 Acq: 12 May 2023 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Tgt Ion: 61 Resp: 1065814

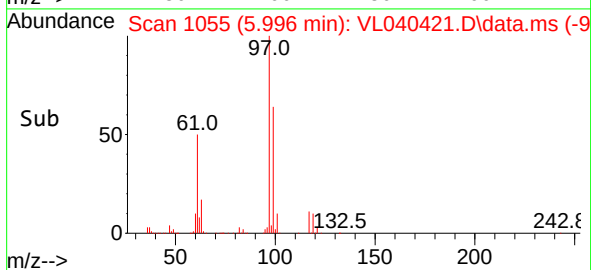
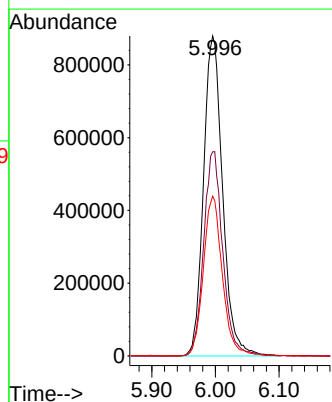
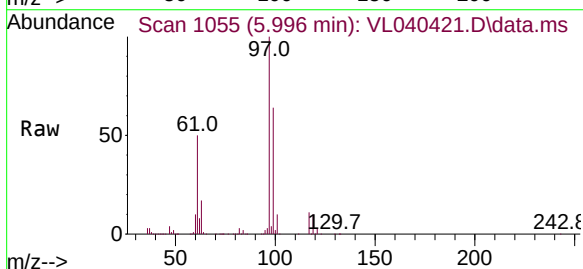
Ion	Ratio	Lower	Upper
61	100		
96	65.3	53.0	79.4
98	42.2	33.8	50.8

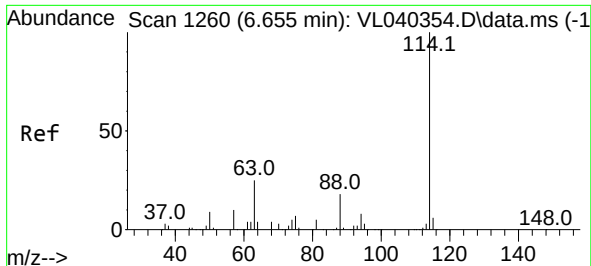


#32
 1,1,1-Trichloroethane
 Concen: 10.081 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VL040421.D
 Acq: 12 May 2023 16:48

Tgt Ion: 97 Resp: 1835541

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	49.6	40.4	60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

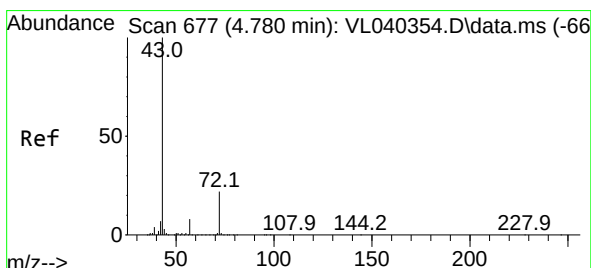
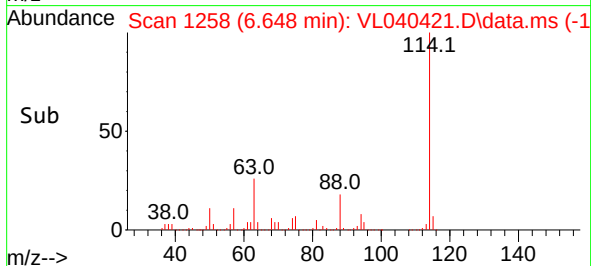
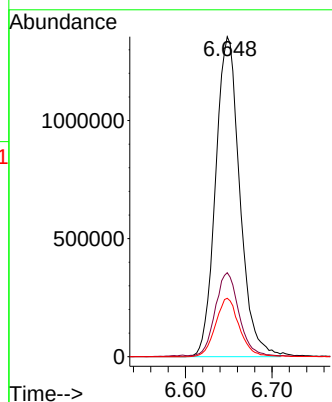
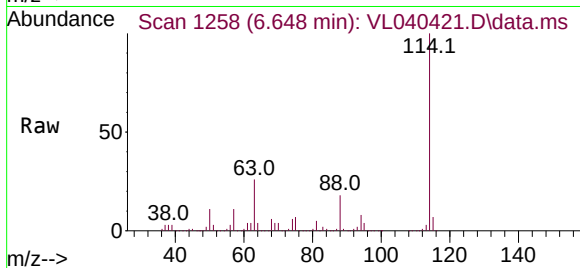
Tgt Ion:114 Resp: 2630229

Ion Ratio Lower Upper

114 100

63 26.5 21.4 32.0

88 18.1 14.6 22.0



#34

2-Butanone

Concen: 10.177 ppbv

RT: 4.774 min Scan# 675

Delta R.T. -0.006 min

Lab File: VL040421.D

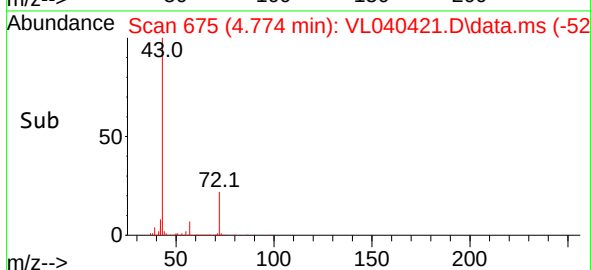
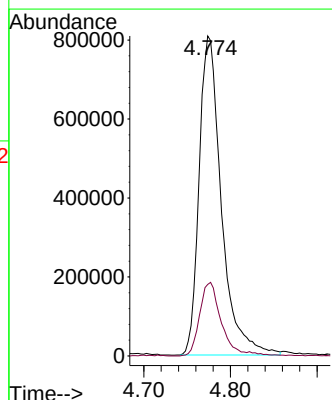
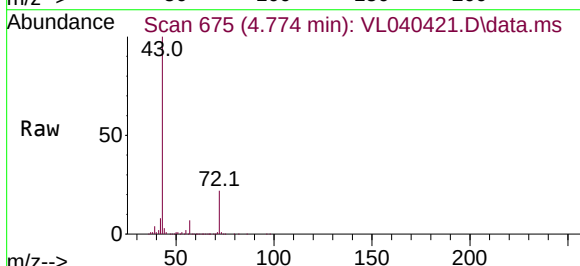
Acq: 12 May 2023 16:48

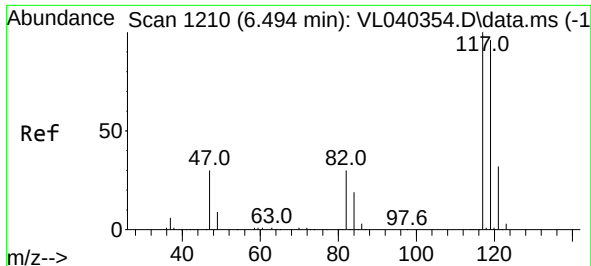
Tgt Ion: 43 Resp: 1443367

Ion Ratio Lower Upper

43 100

72 22.7 18.4 27.6

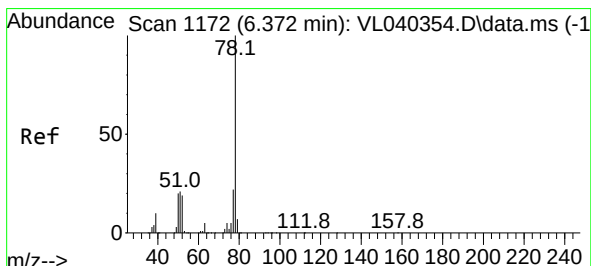
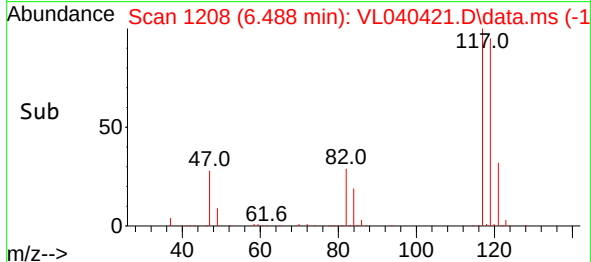
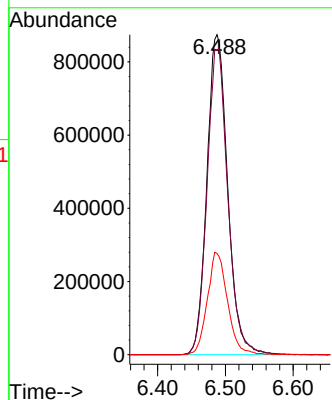
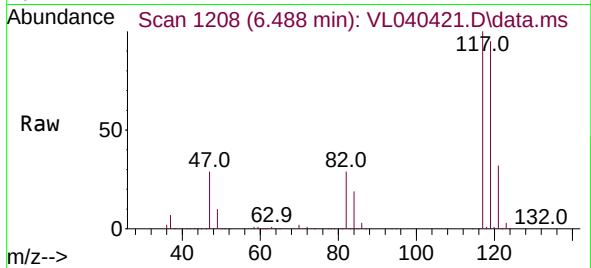




#35
Carbon Tetrachloride
Concen: 10.085 ppbv
RT: 6.488 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

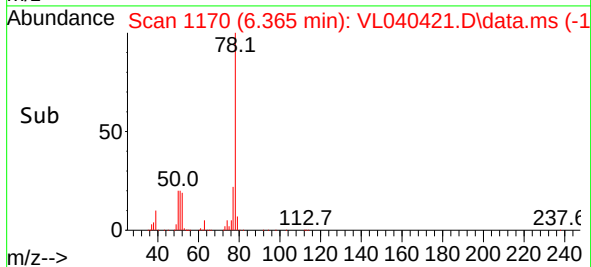
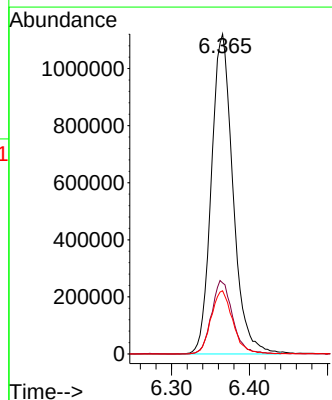
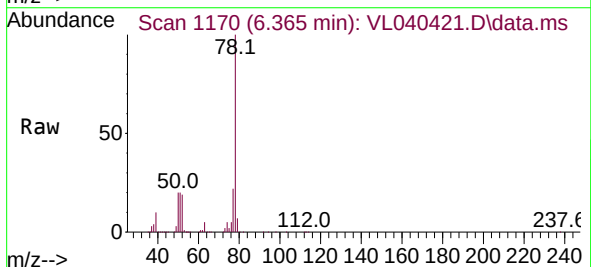
Instrument :
MSVOA_1
ClientSampleId :
VL0512ABS01

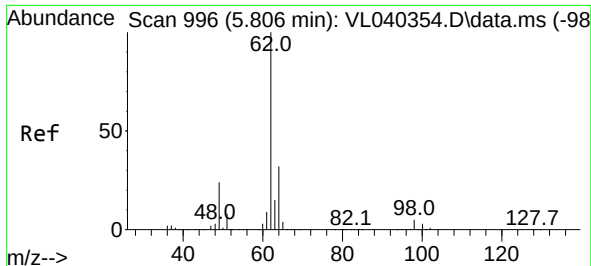
Tgt Ion:117 Resp: 1867170
Ion Ratio Lower Upper
117 100
119 95.0 76.6 114.8
121 31.7 25.3 37.9



#36
Benzene
Concen: 10.070 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 78 Resp: 2160939
Ion Ratio Lower Upper
78 100
77 22.2 17.8 26.8
50 19.7 15.6 23.4

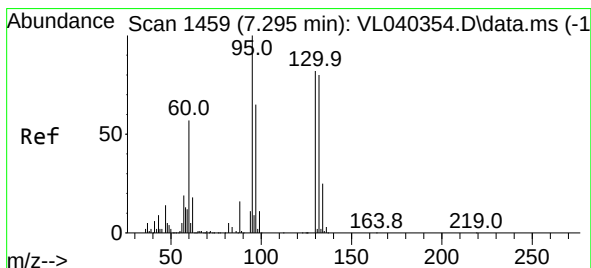
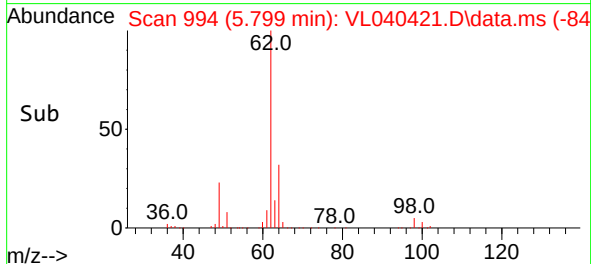
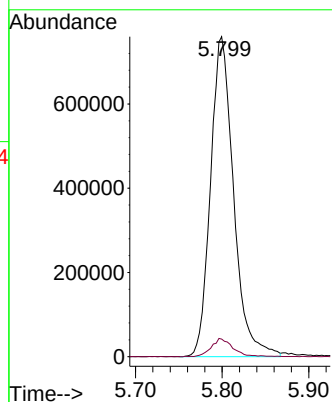
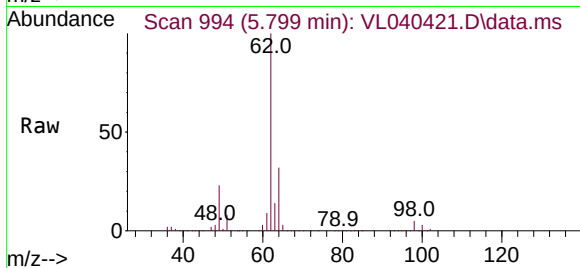




#37
1,2-Dichloroethane
Concen: 9.989 ppbv
RT: 5.799 min Scan# 996
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

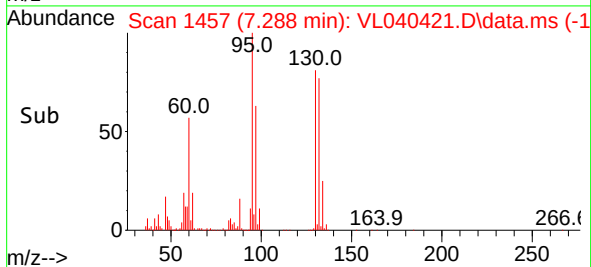
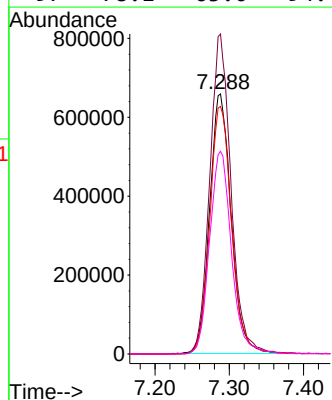
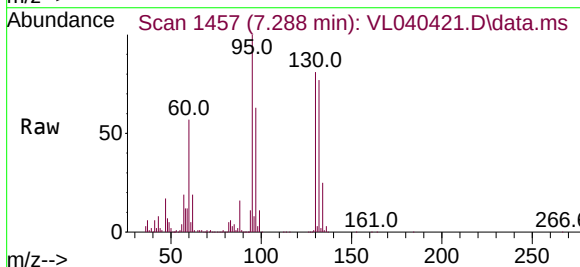
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

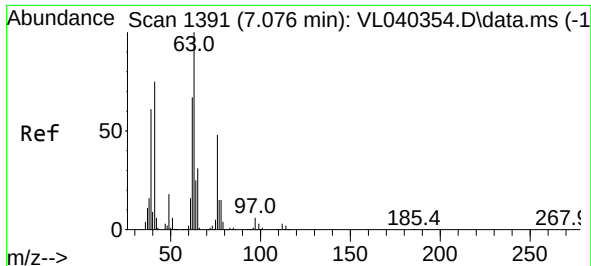
Tgt Ion: 62 Resp: 1408072
Ion Ratio Lower Upper
62 100
98 5.4 4.4 6.6



#38
Trichloroethene
Concen: 10.866 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion:130 Resp: 1327073
Ion Ratio Lower Upper
130 100
95 123.3 97.4 146.0
132 95.4 77.5 116.3
97 78.1 63.0 94.4





#39

1,2-Dichloropropane

Concen: 9.866 ppbv

RT: 7.069 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

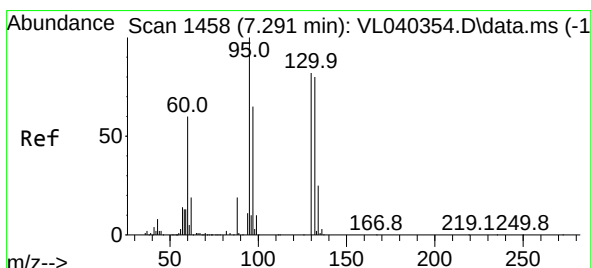
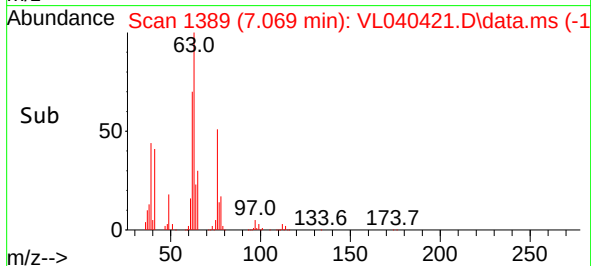
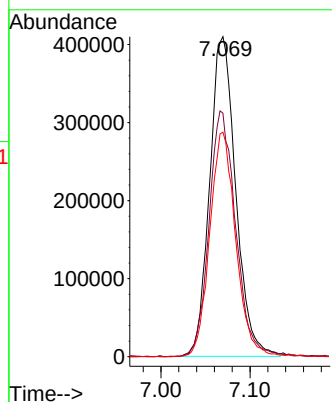
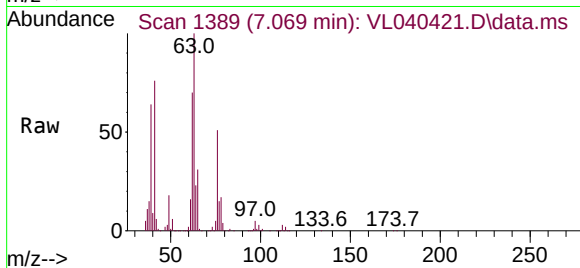
Tgt Ion: 63 Resp: 833056

Ion Ratio Lower Upper

63 100

41 76.0 59.6 89.4

62 70.1 53.9 80.9



#40

1,4-Dioxane

Concen: 9.772 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. -0.009 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Tgt Ion: 88 Resp: 316009

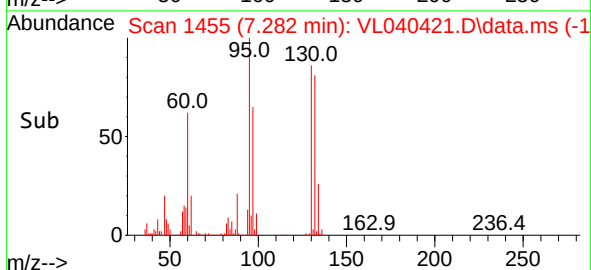
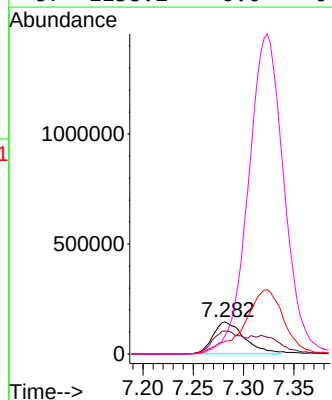
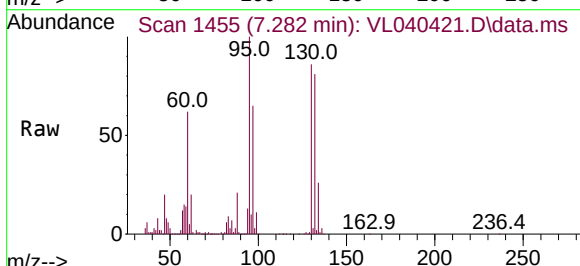
Ion Ratio Lower Upper

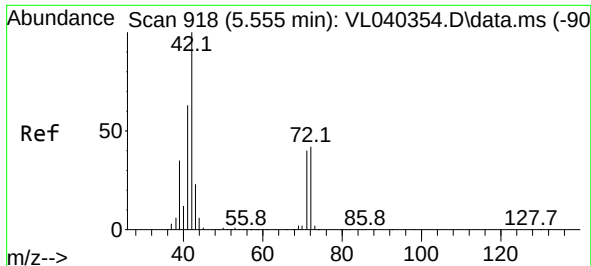
88 100

58 126.6 100.8 151.2

43 255.0 0.0 0.0#

57 1138.2 0.0 0.0#





#41

Tetrahydrofuran

Concen: 10.593 ppbv

RT: 5.545 min Scan# 918

Delta R.T. -0.010 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

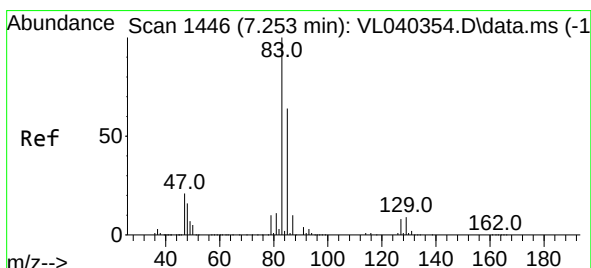
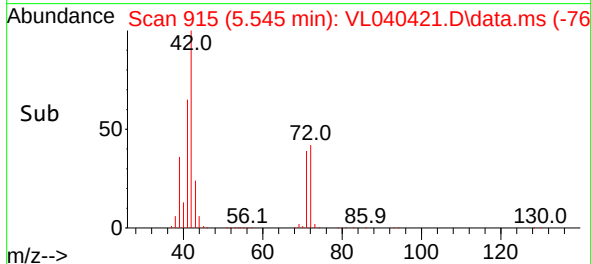
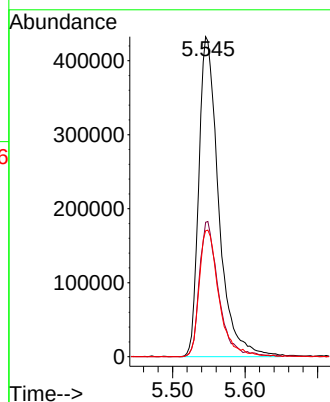
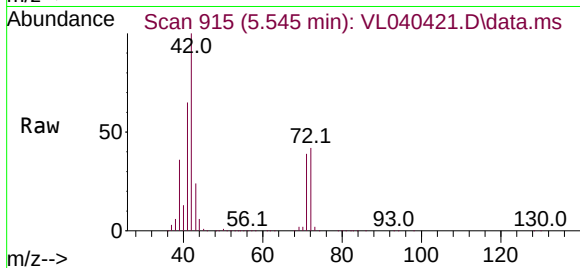
Tgt Ion: 42 Resp: 822812

Ion Ratio Lower Upper

42 100

72 41.2 33.7 50.5

71 39.6 32.2 48.2



#42

Bromodichloromethane

Concen: 10.311 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. -0.007 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

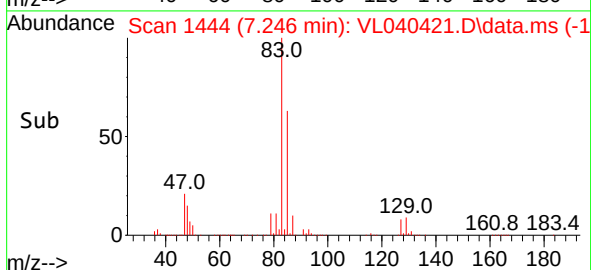
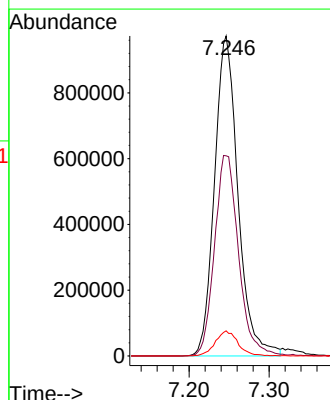
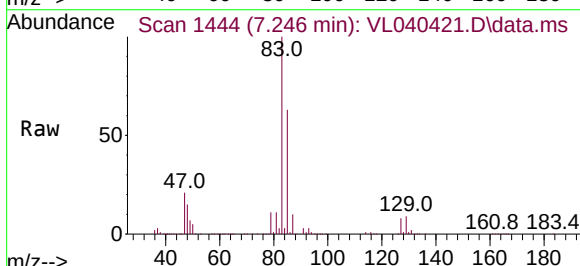
Tgt Ion: 83 Resp: 1984809

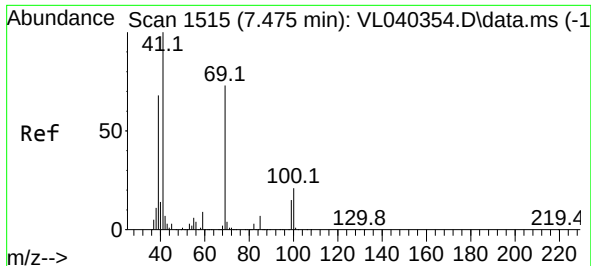
Ion Ratio Lower Upper

83 100

85 62.6 50.9 76.3

127 7.9 6.4 9.6

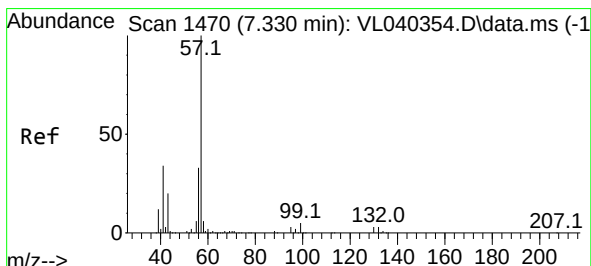
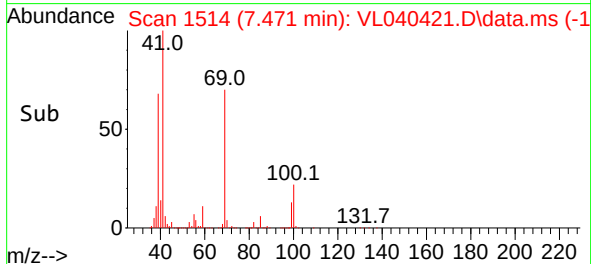
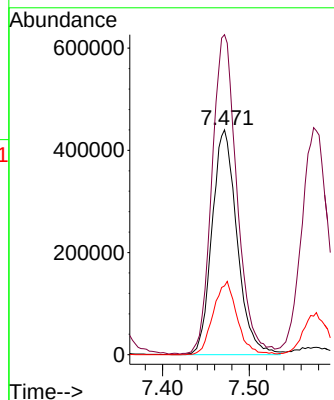
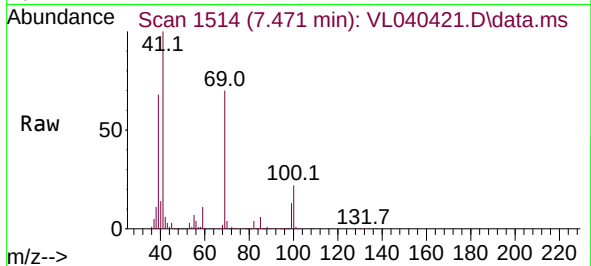




#43
Methyl Methacrylate
Concen: 11.053 ppbv
RT: 7.471 min Scan# 11
Delta R.T. -0.004 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

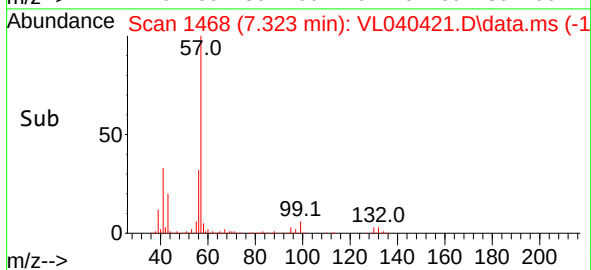
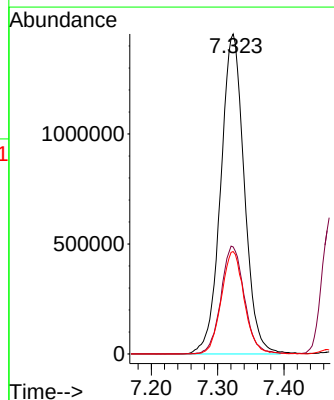
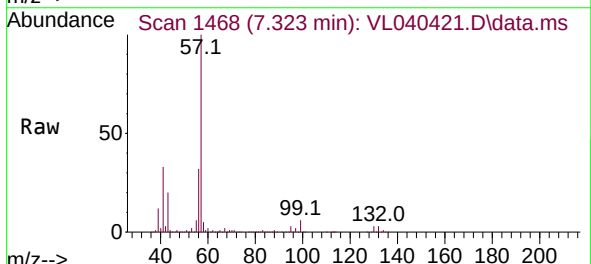
Instrument :
MSVOA_1
ClientSampleId :
VL0512ABS01

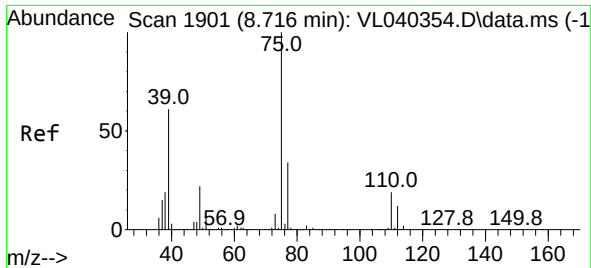
Tgt Ion: 69 Resp: 880993
Ion Ratio Lower Upper
69 100
41 142.8 114.3 171.5
100 31.3 24.5 36.7



#44
2,2,4-Trimethylpentane
Concen: 10.004 ppbv
RT: 7.323 min Scan# 1468
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 57 Resp: 3585864
Ion Ratio Lower Upper
57 100
41 33.5 26.9 40.3
56 31.3 25.1 37.7

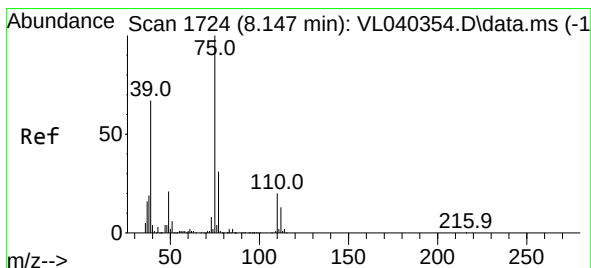
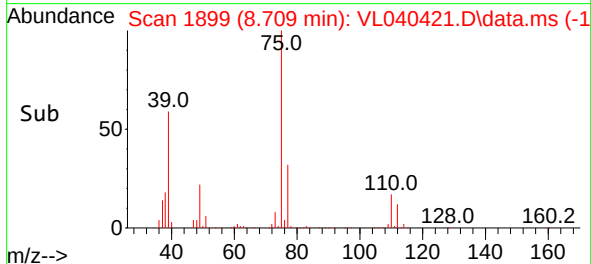
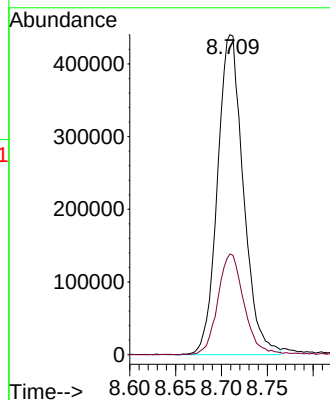
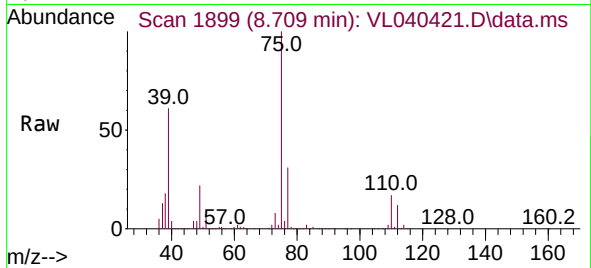




#45
 t-1,3-Dichloropropene
 Concen: 12.125 ppbv
 RT: 8.709 min Scan# 11
 Delta R.T. -0.007 min
 Lab File: VL040421.D
 Acq: 12 May 2023 16:48

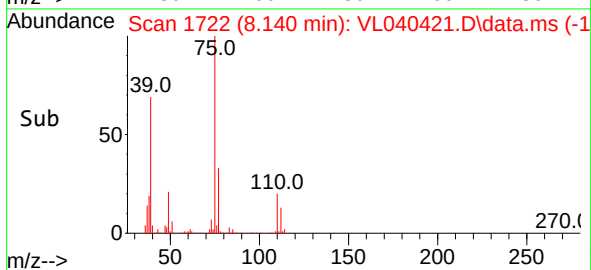
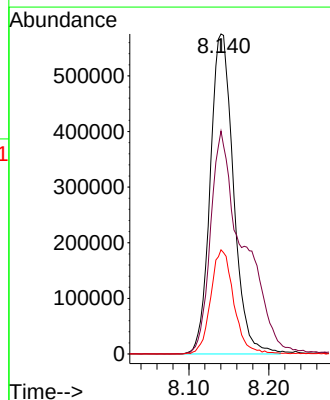
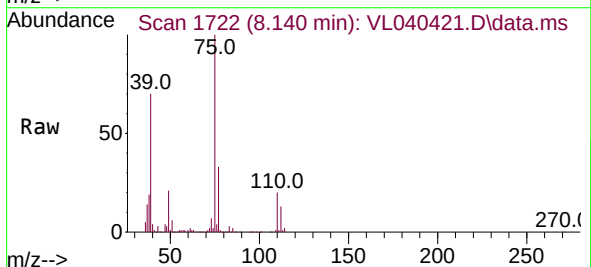
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

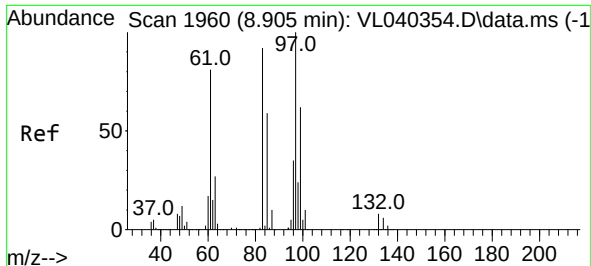
Tgt Ion: 75 Resp: 863220
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.8 40.2



#46
 cis-1,3-Dichloropropene
 Concen: 11.743 ppbv
 RT: 8.140 min Scan# 1722
 Delta R.T. -0.007 min
 Lab File: VL040421.D
 Acq: 12 May 2023 16:48

Tgt Ion: 75 Resp: 1163728
 Ion Ratio Lower Upper
 75 100
 39 69.6 53.4 80.2
 77 32.5 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 9.962 ppbv

RT: 8.899 min Scan# 1958

Delta R.T. -0.006 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tgt Ion: 97 Resp: 922229

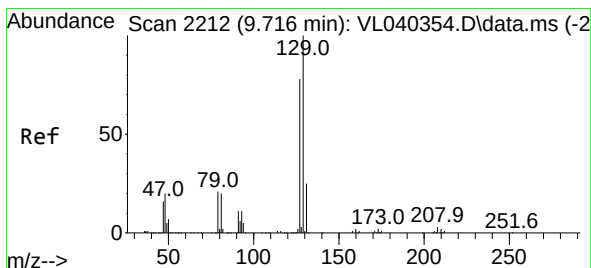
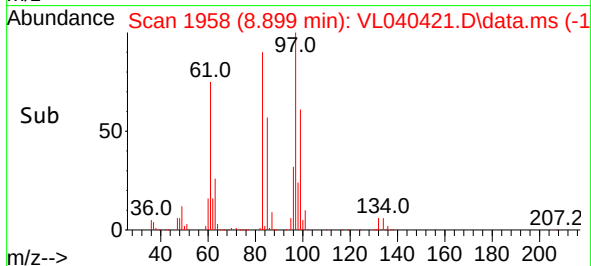
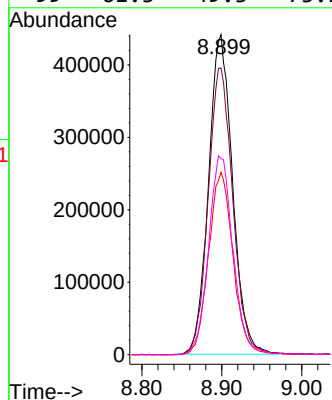
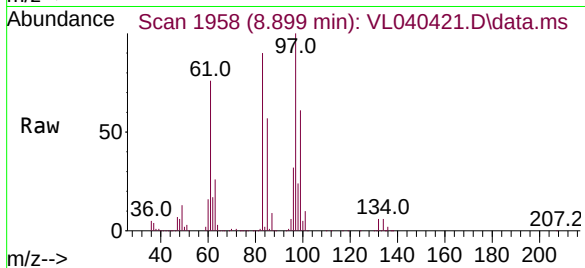
Ion Ratio Lower Upper

97 100

83 89.6 73.3 109.9

85 56.9 46.9 70.3

99 61.3 49.3 73.9



#48

Dibromochloromethane

Concen: 10.805 ppbv

RT: 9.712 min Scan# 2211

Delta R.T. -0.004 min

Lab File: VL040421.D

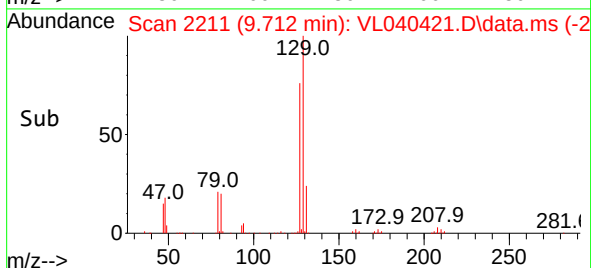
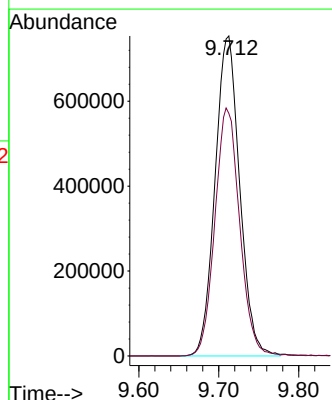
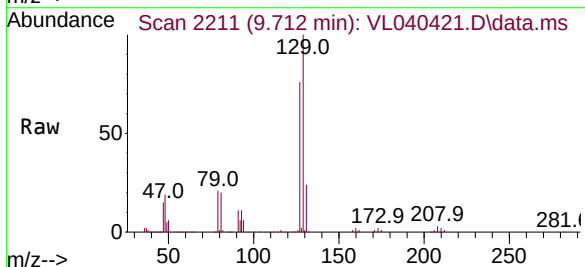
Acq: 12 May 2023 16:48

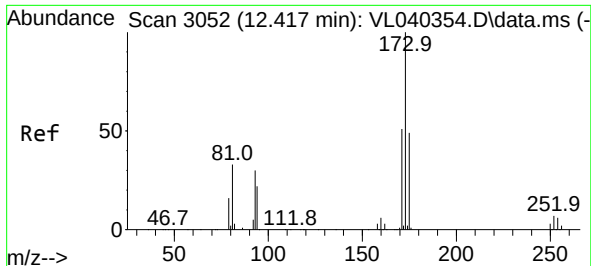
Tgt Ion: 129 Resp: 1611050

Ion Ratio Lower Upper

129 100

127 78.3 39.2 117.6

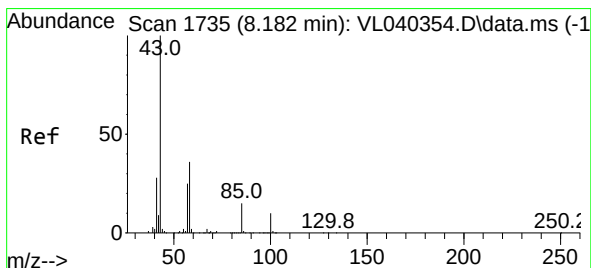
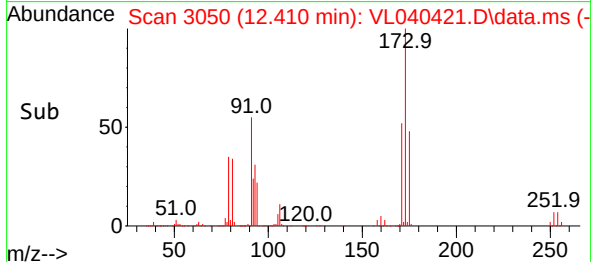
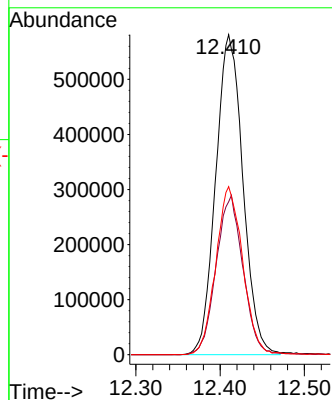
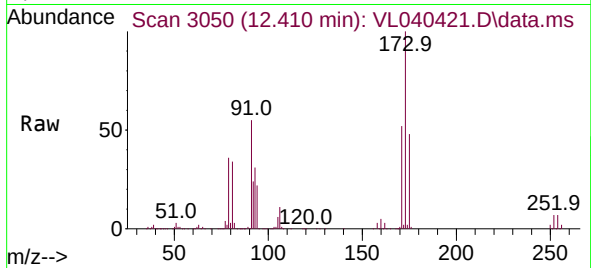




#49
Bromoform
Concen: 11.209 ppbv
RT: 12.410 min Scan# 3052
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

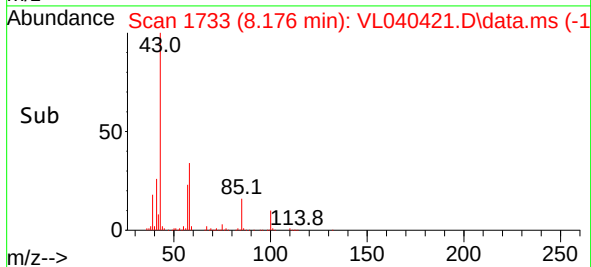
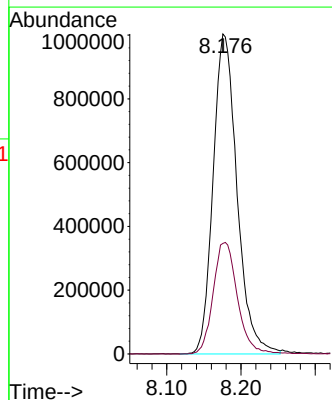
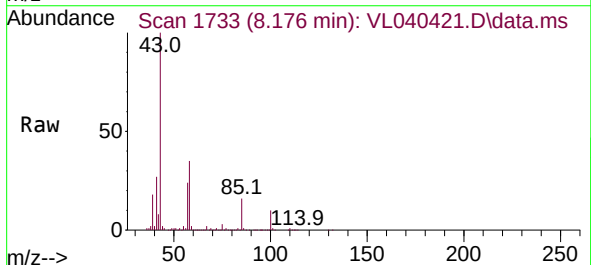
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

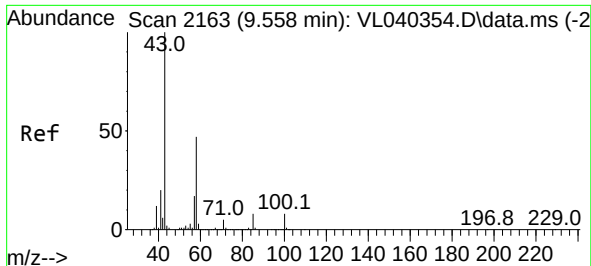
Tgt Ion:173 Resp: 1303472
Ion Ratio Lower Upper
173 100
175 49.3 39.8 59.8
171 52.1 42.2 63.2



#50
4-Methyl-2-Pentanone
Concen: 10.445 ppbv
RT: 8.176 min Scan# 1733
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 43 Resp: 2246270
Ion Ratio Lower Upper
43 100
58 35.5 28.6 43.0

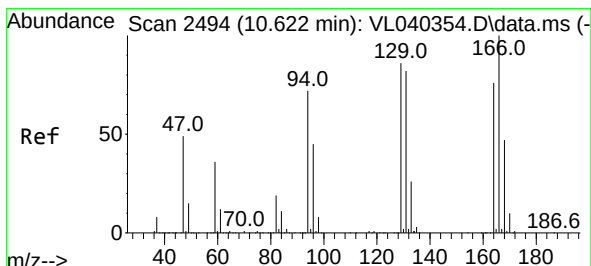
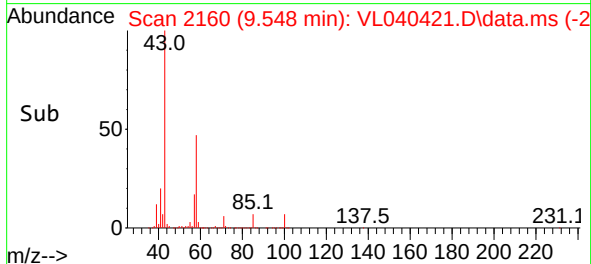
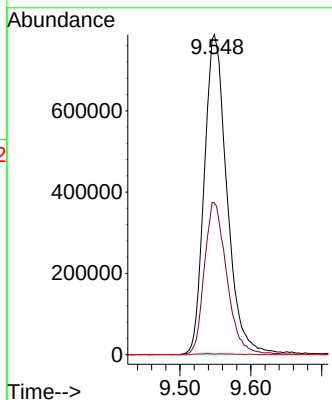
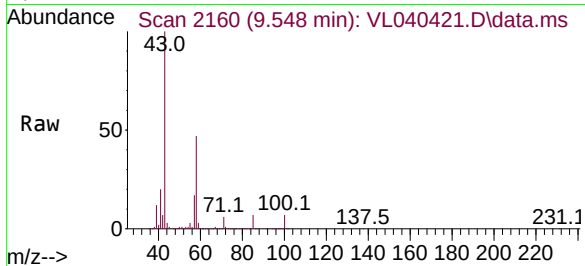




#51
2-Hexanone
Concen: 11.002 ppbv
RT: 9.548 min Scan# 2163
Delta R.T. -0.010 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

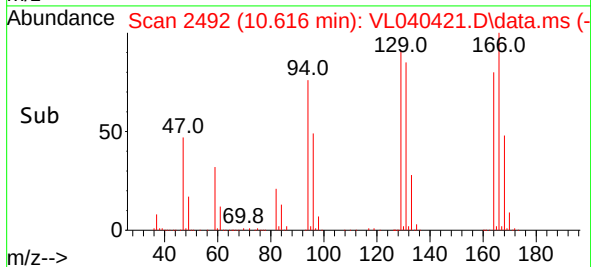
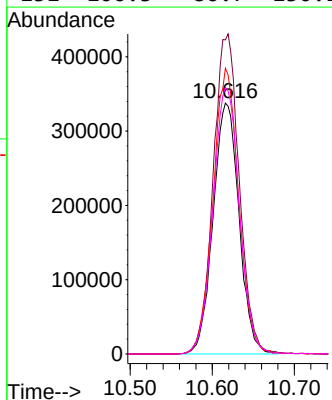
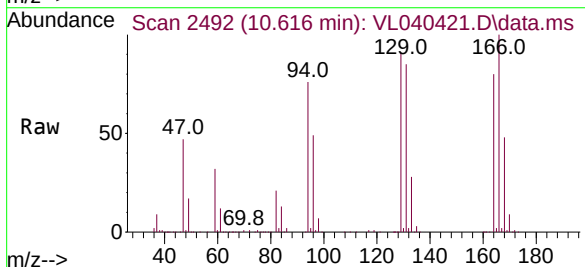
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

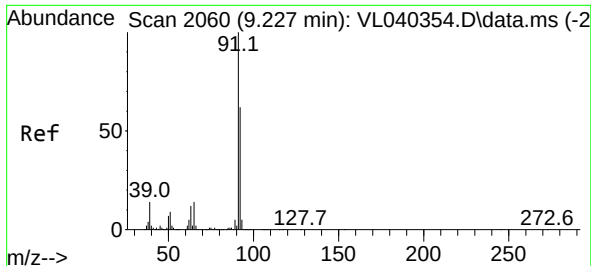
Tgt Ion: 43 Resp: 1748256
Ion Ratio Lower Upper
43 100
58 47.3 38.3 57.5
98 0.6 0.4 0.6



#52
Tetrachloroethene
Concen: 11.041 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 164 Resp: 741133
Ion Ratio Lower Upper
164 100
166 125.2 105.2 157.8
129 113.9 90.3 135.5
131 106.3 86.7 130.1

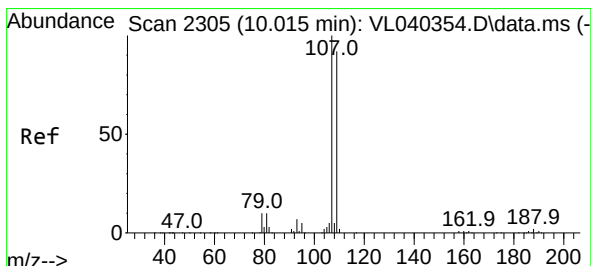
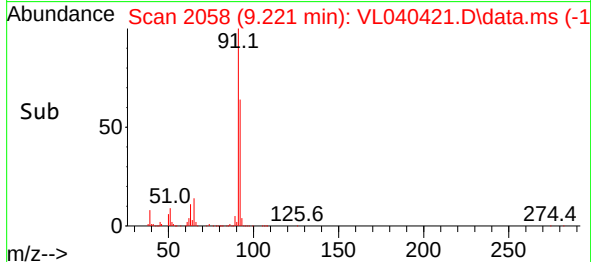
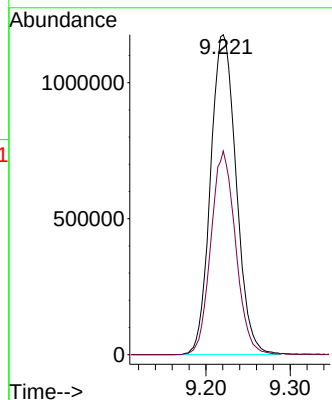
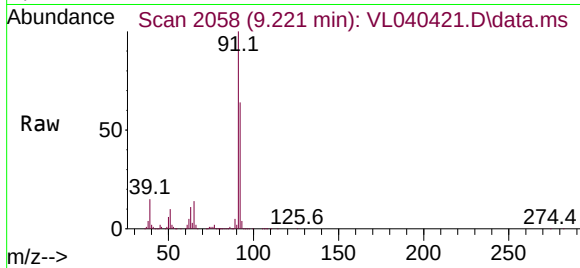




#53
Toluene
Concen: 10.921 ppbv
RT: 9.221 min Scan# 2060
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

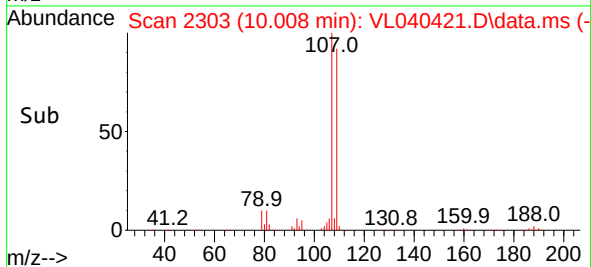
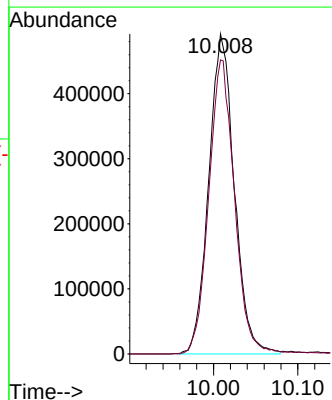
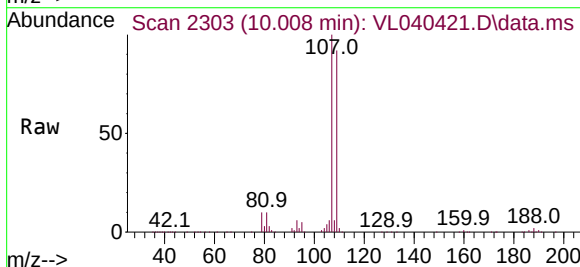
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

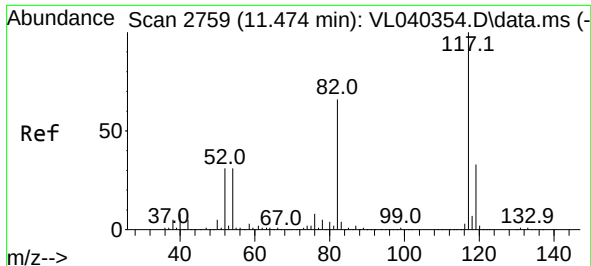
Tgt Ion: 91 Resp: 2484521
Ion Ratio Lower Upper
91 100
92 61.6 48.9 73.3



#54
1,2-Dibromoethane
Concen: 11.049 ppbv
RT: 10.008 min Scan# 2303
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 107 Resp: 1037085
Ion Ratio Lower Upper
107 100
109 91.7 73.6 110.4

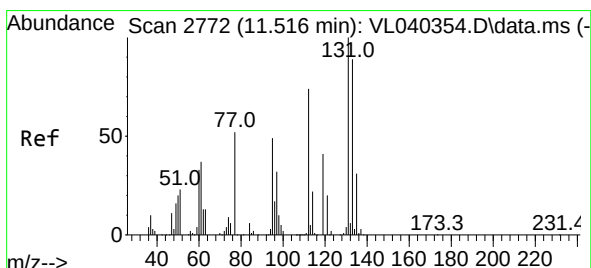
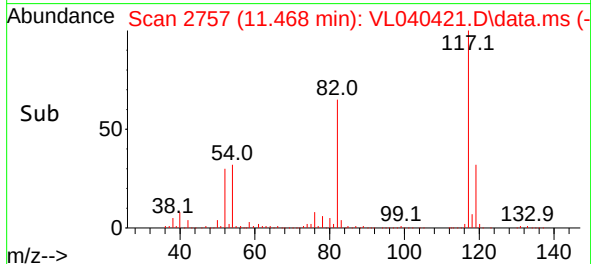
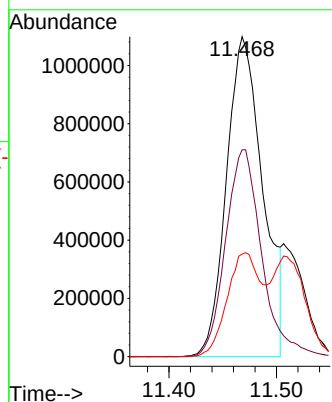
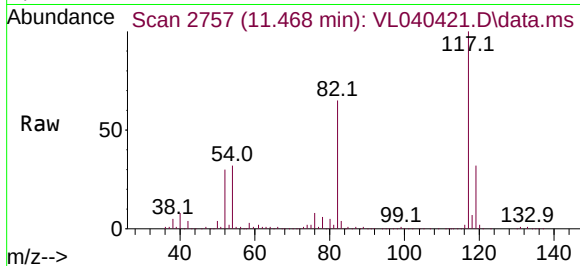




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

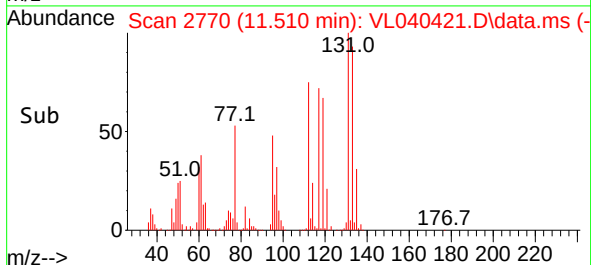
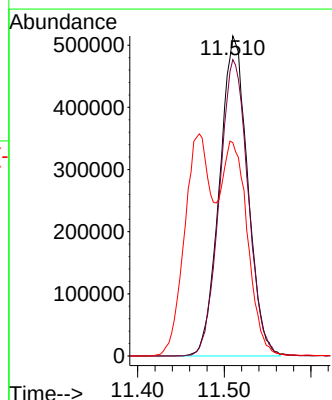
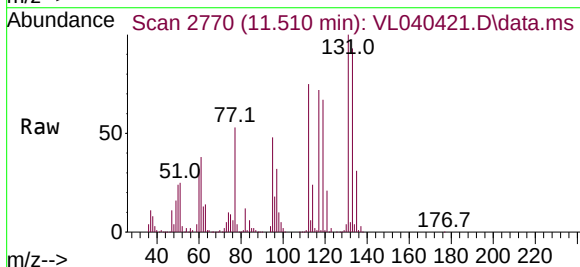
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

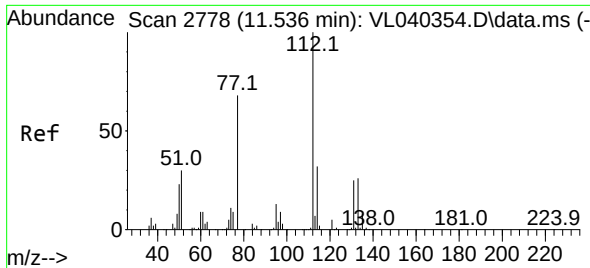
Tgt Ion:117 Resp: 2580965
Ion Ratio Lower Upper
117 100
82 64.7 52.5 78.7
119 32.3 24.3 36.5



#56
1,1,1,2-Tetrachloroethane
Concen: 9.853 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion:131 Resp: 1160748
Ion Ratio Lower Upper
131 100
133 94.5 75.3 112.9
119 59.3 53.9 80.9

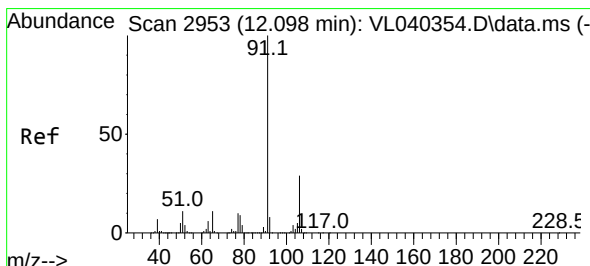
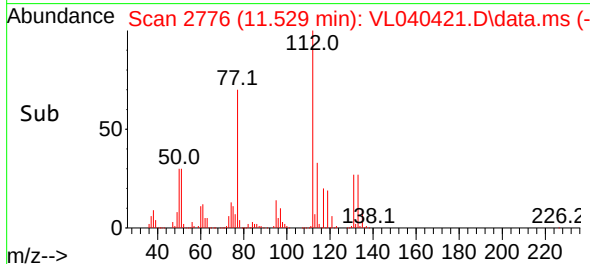
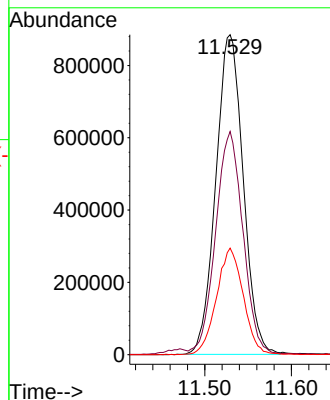
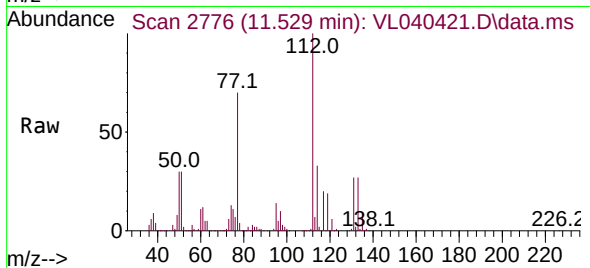




#57
Chlorobenzene
Concen: 9.619 ppbv
RT: 11.529 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

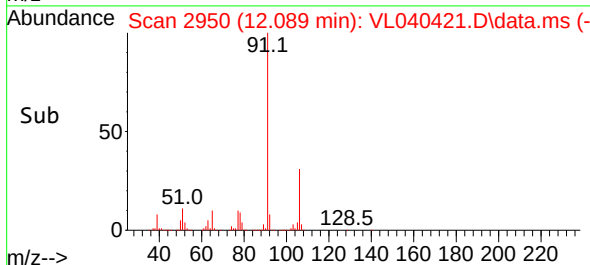
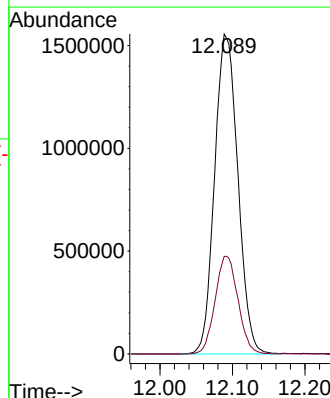
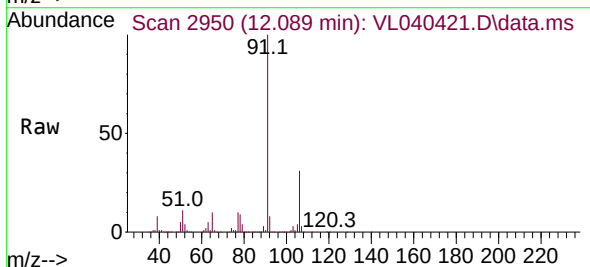
Instrument :
MSVOA_1
ClientSampleId :
VL0512ABS01

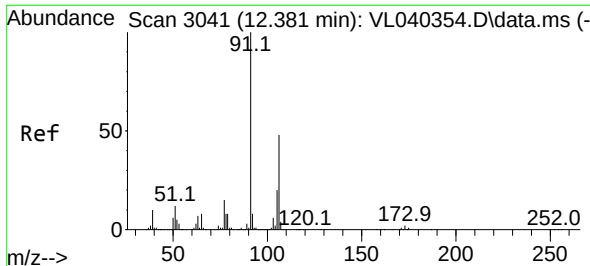
Tgt Ion:112 Resp: 1943794
Ion Ratio Lower Upper
112 100
77 69.4 55.8 83.8
114 33.3 29.1 35.5



#58
Ethyl Benzene
Concen: 10.911 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. -0.009 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 91 Resp: 3464273
Ion Ratio Lower Upper
91 100
106 30.5 23.5 35.3





#59

m/p-Xylene

Concen: 10.019 ppbv

RT: 12.378 min Scan# 3040

Delta R.T. -0.003 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Instrument :

MSVOA_L

ClientSampleId :

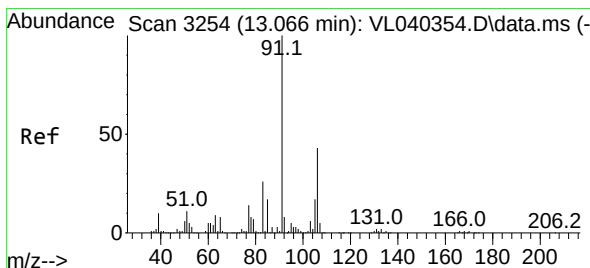
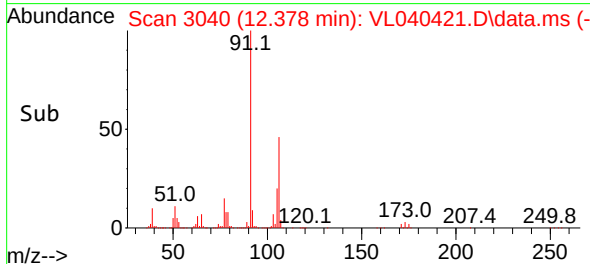
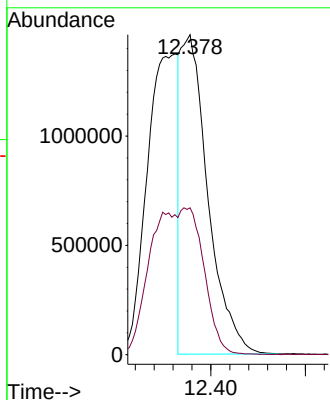
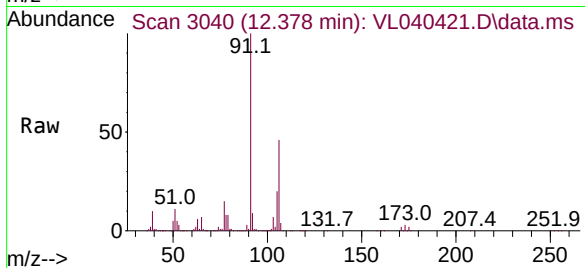
VL0512ABS01

Tgt Ion: 91 Resp: 2925344

Ion Ratio Lower Upper

91 100

106 89.7 34.7 52.1#



#60

o-Xylene

Concen: 10.489 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. -0.006 min

Lab File: VL040421.D

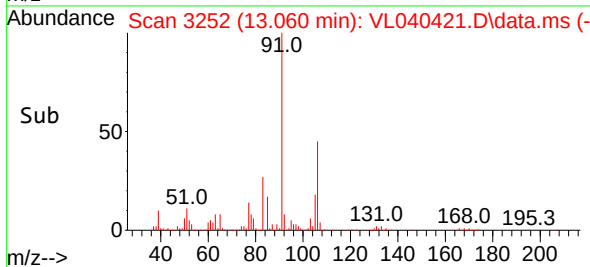
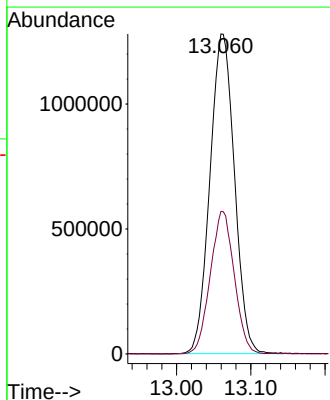
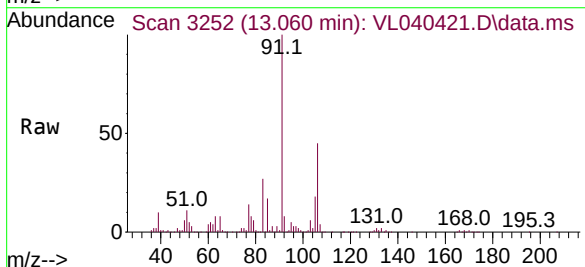
Acq: 12 May 2023 16:48

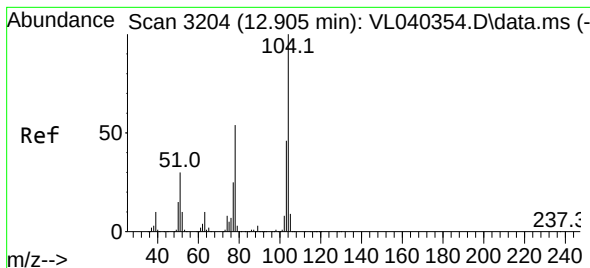
Tgt Ion: 91 Resp: 2939307

Ion Ratio Lower Upper

91 100

106 43.8 21.9 65.8





#61

Styrene

Concen: 11.911 ppbv

RT: 12.902 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

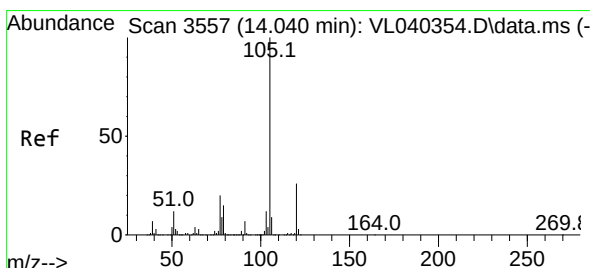
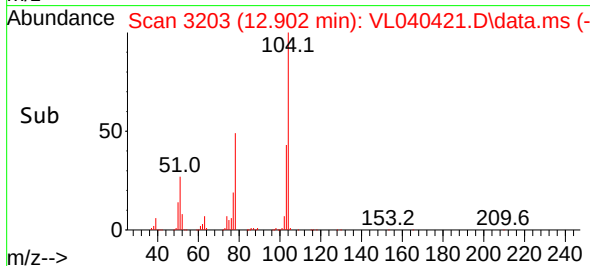
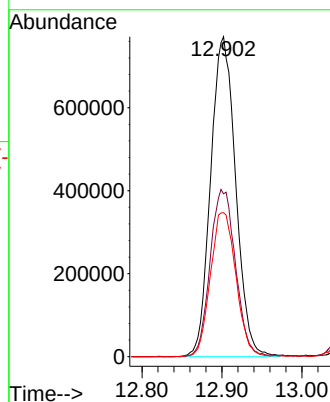
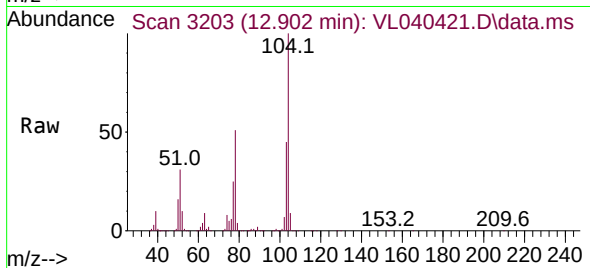
Tgt Ion:104 Resp: 1671865

Ion Ratio Lower Upper

104 100

78 53.4 43.4 65.0

103 46.2 37.0 55.4



#62

Isopropylbenzene

Concen: 10.127 ppbv

RT: 14.034 min Scan# 3555

Delta R.T. -0.006 min

Lab File: VL040421.D

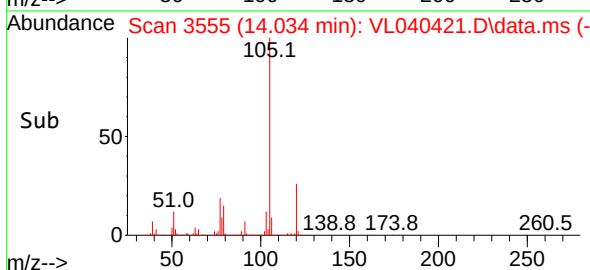
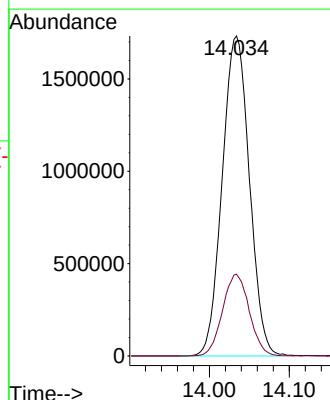
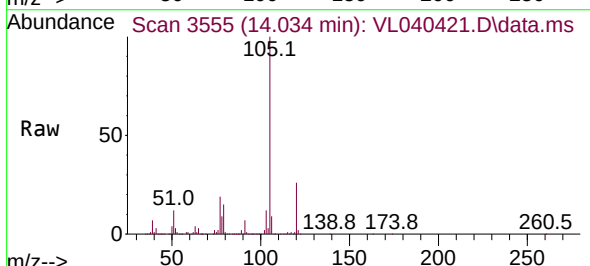
Acq: 12 May 2023 16:48

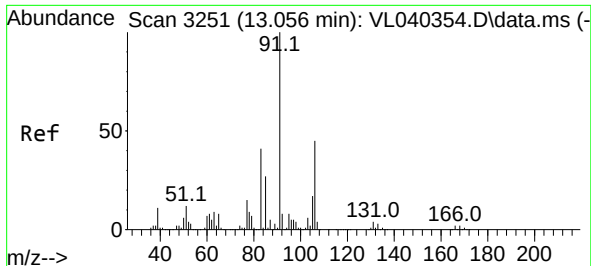
Tgt Ion:105 Resp: 4086516

Ion Ratio Lower Upper

105 100

120 25.2 19.9 29.9

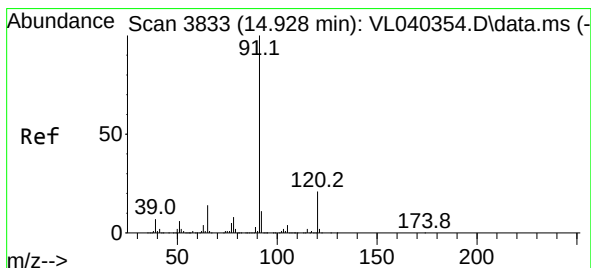
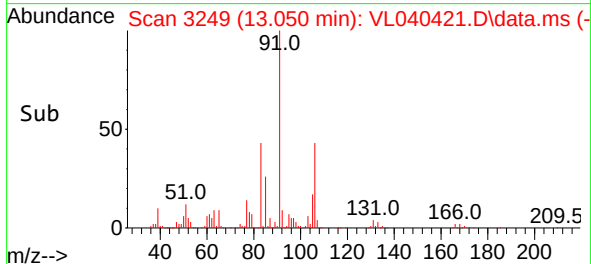
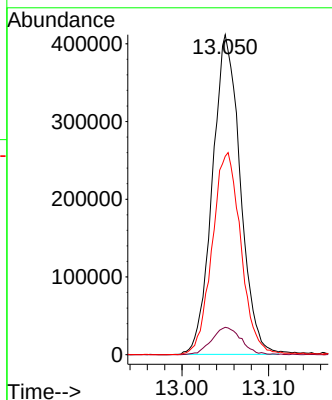
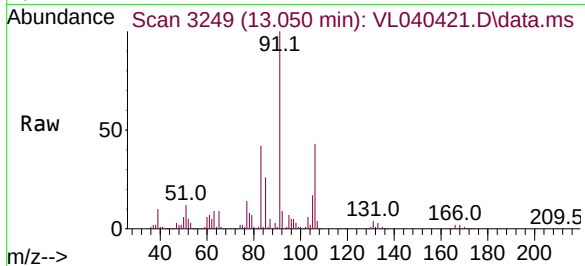




#63
1,1,2,2-Tetrachloroethane
Concen: 8.957 ppbv
RT: 13.050 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

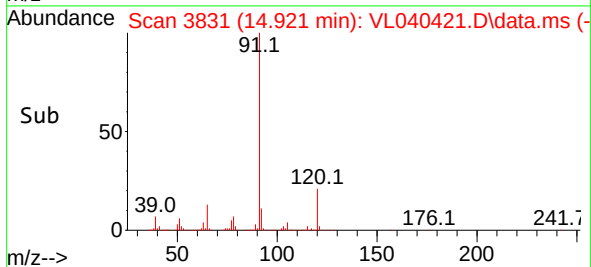
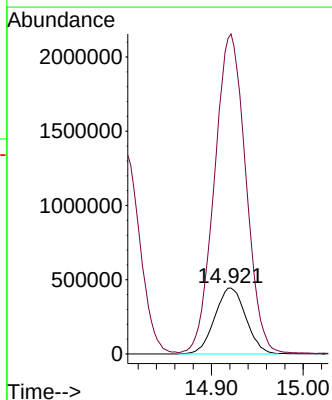
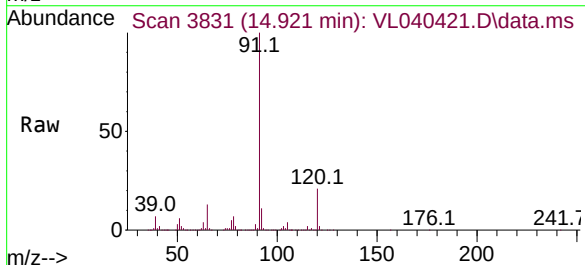
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

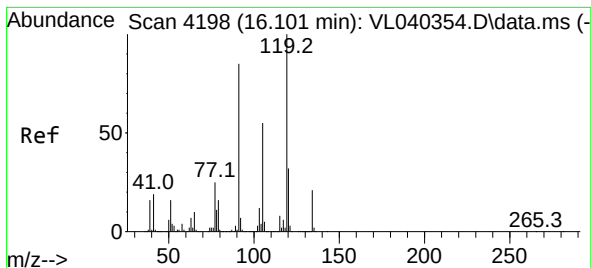
Tgt Ion: 83 Resp: 918542
Ion Ratio Lower Upper
83 100
131 9.2 4.3 13.1
85 65.8 32.9 98.6



#64
n-propylbenzene
Concen: 10.515 ppbv
RT: 14.921 min Scan# 3831
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion:120 Resp: 1044091
Ion Ratio Lower Upper
120 100
91 492.3 397.4 596.0

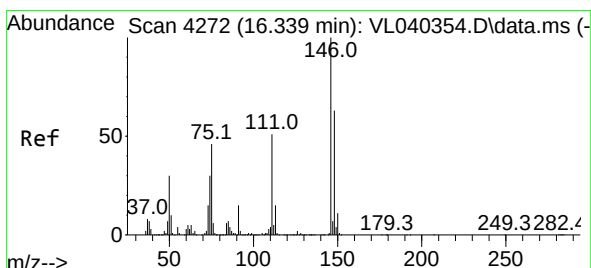
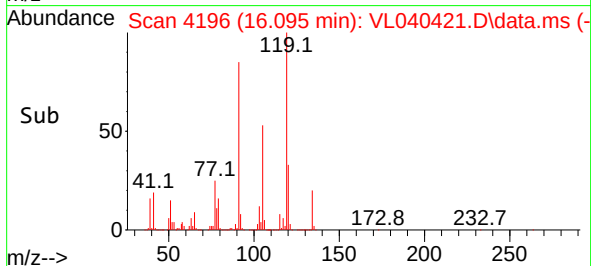
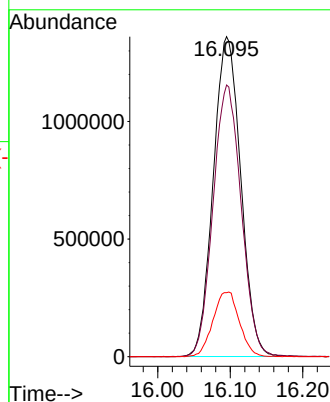
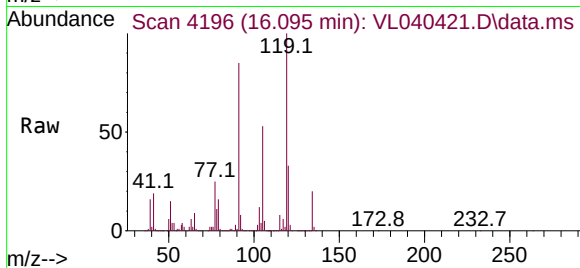




#65
tert-Butylbenzene
Concen: 10.093 ppbv
RT: 16.095 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

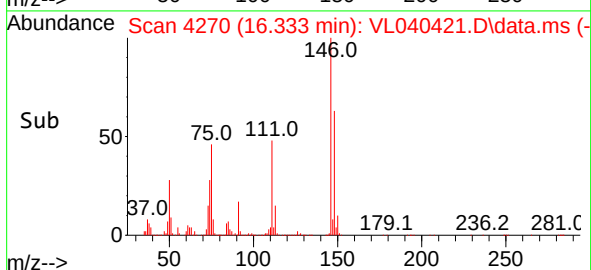
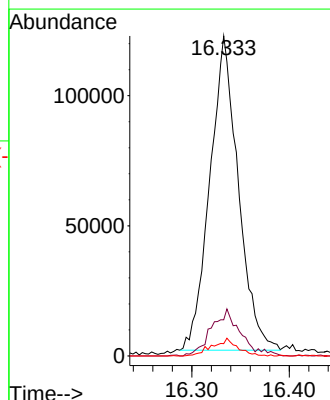
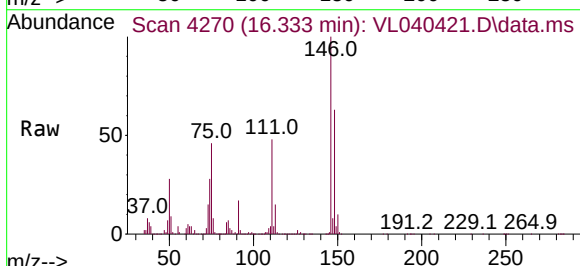
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

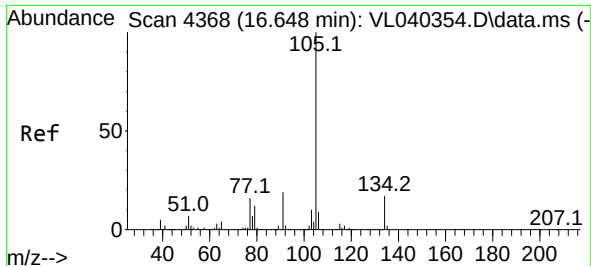
Tgt Ion:119 Resp: 3583572
Ion Ratio Lower Upper
119 100
91 86.9 70.1 105.1
134 19.4 15.6 23.4



#66
Benzyl Chloride
Concen: 11.150 ppbv
RT: 16.333 min Scan# 4270
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 91 Resp: 245103
Ion Ratio Lower Upper
91 100
126 15.4 12.3 18.5
128 5.0 4.1 6.1





#67

sec-Butylbenzene

Concen: 10.029 ppbv

RT: 16.641 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Instrument :

MSVOA_1

ClientSampleId :

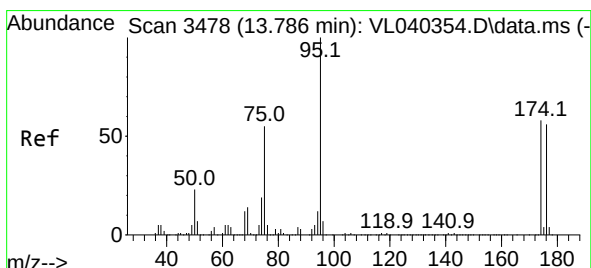
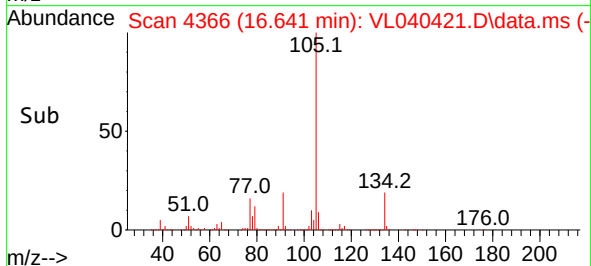
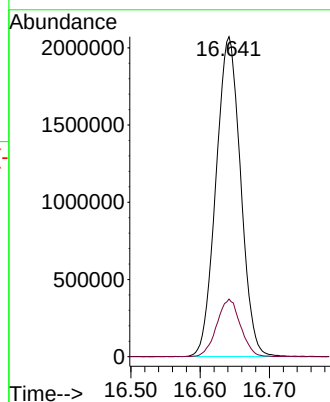
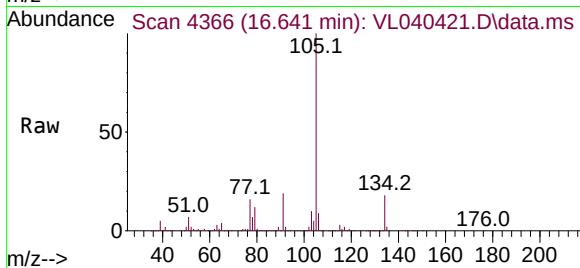
VL0512ABS01

Tgt Ion:105 Resp: 5114662

Ion Ratio Lower Upper

105 100

134 17.4 13.8 20.6



#68

1-Bromo-4-Fluorobenzene

Concen: 9.464 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. -0.006 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

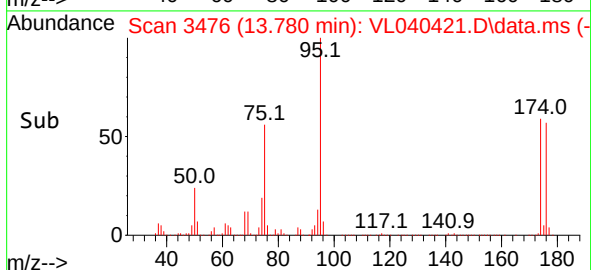
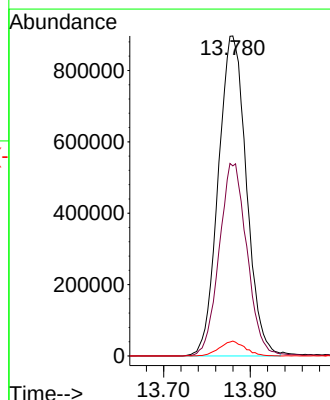
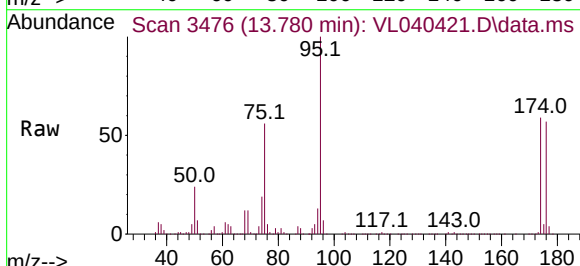
Tgt Ion: 95 Resp: 2019916

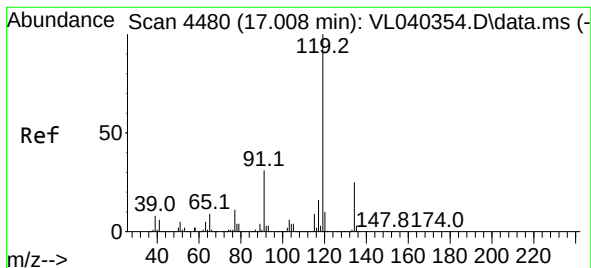
Ion Ratio Lower Upper

95 100

174 59.9 47.2 70.8

175 4.3 3.5 5.3





#69

p-Isopropyltoluene

Concen: 10.291 ppbv

RT: 17.002 min Scan# 4480

Delta R.T. -0.006 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Instrument :

MSVOA_1

ClientSampleId :

VL0512ABS01

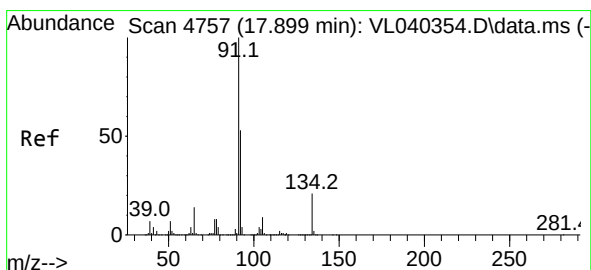
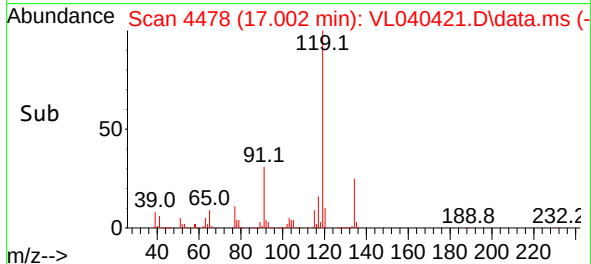
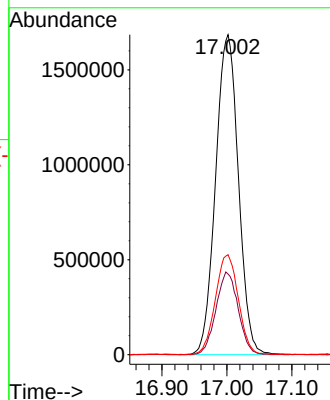
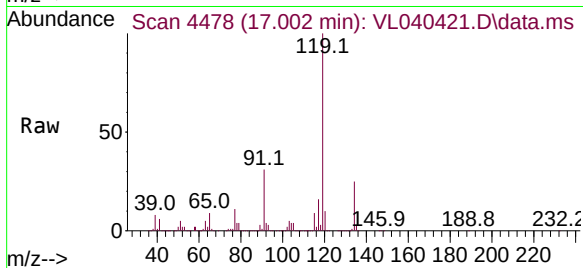
Tgt Ion:119 Resp: 4097978

Ion Ratio Lower Upper

119 100

134 25.2 20.2 30.4

91 31.5 25.7 38.5



#70

n-Butylbenzene

Concen: 10.151 ppbv

RT: 17.889 min Scan# 4754

Delta R.T. -0.010 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

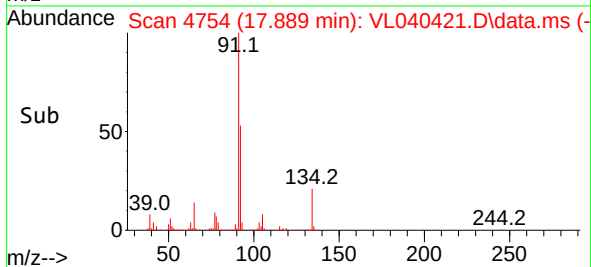
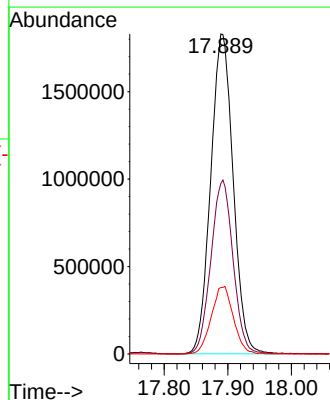
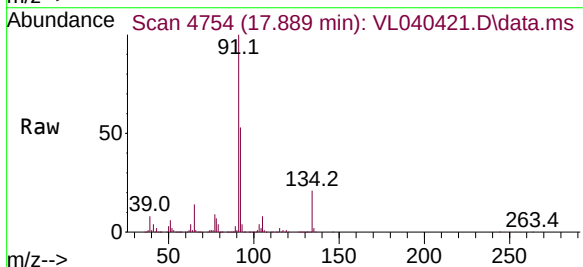
Tgt Ion: 91 Resp: 4480932

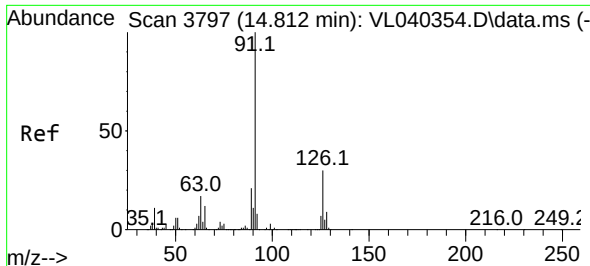
Ion Ratio Lower Upper

91 100

92 53.7 43.0 64.4

134 20.9 16.6 25.0

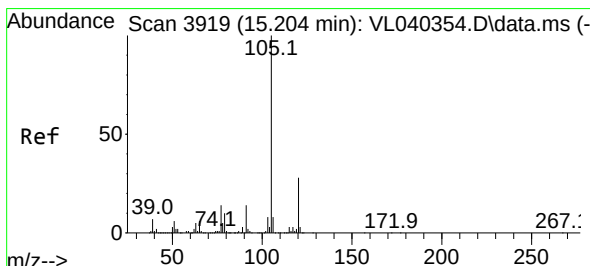
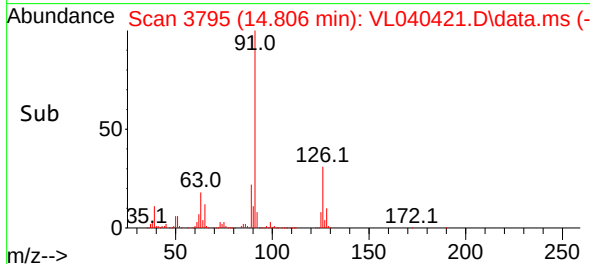
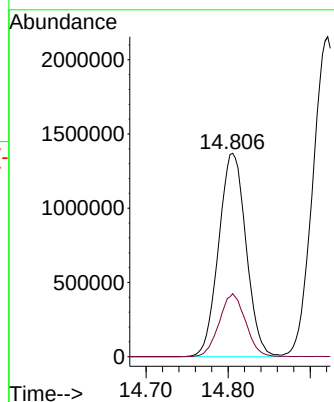
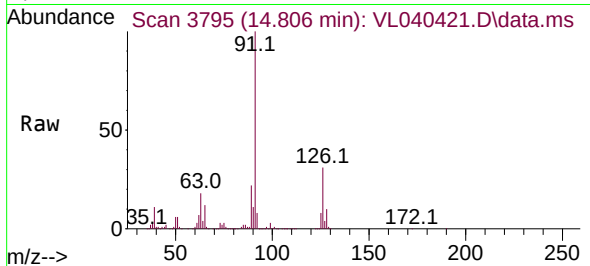




#71
2-Chlorotoluene
Concen: 10.271 ppbv
RT: 14.806 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

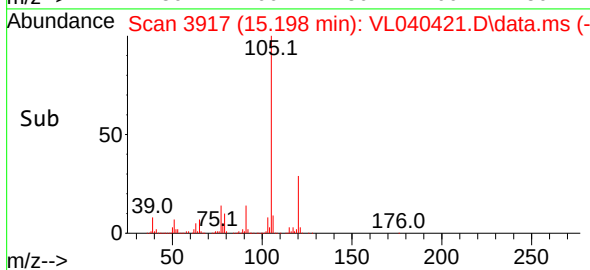
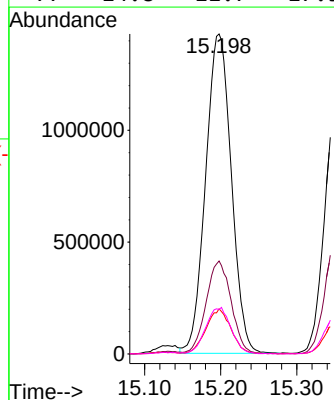
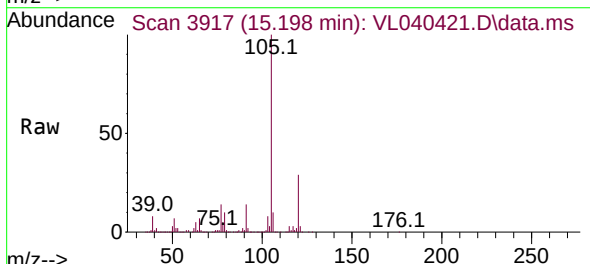
Instrument :
MSVOA_1
ClientSampleId :
VL0512ABS01

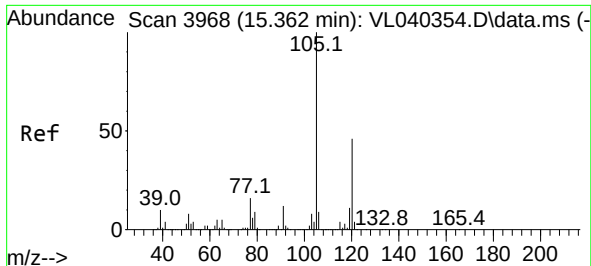
Tgt Ion: 91 Resp: 3182125
Ion Ratio Lower Upper
91 100
126 29.9 11.8 47.4



#72
4-Ethyltoluene
Concen: 10.836 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion: 105 Resp: 3352119
Ion Ratio Lower Upper
105 100
120 29.3 23.0 34.6
91 13.7 11.3 16.9
77 14.8 11.7 17.5

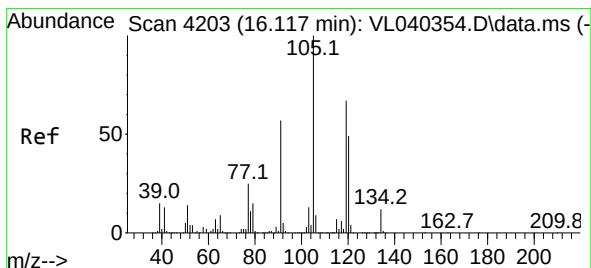
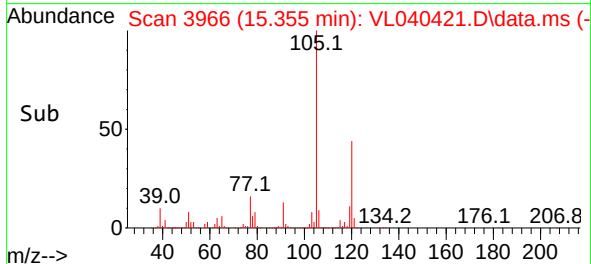
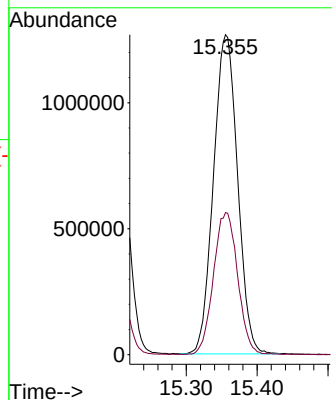
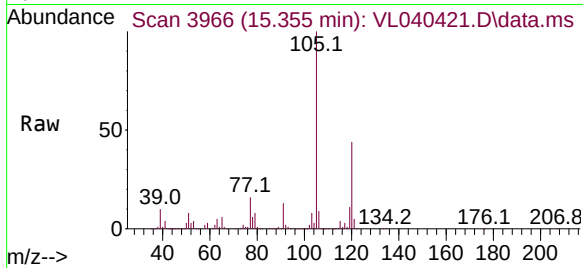




#73
1,3,5-Trimethylbenzene
Concen: 10.468 ppbv
RT: 15.355 min Scan# 3966
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

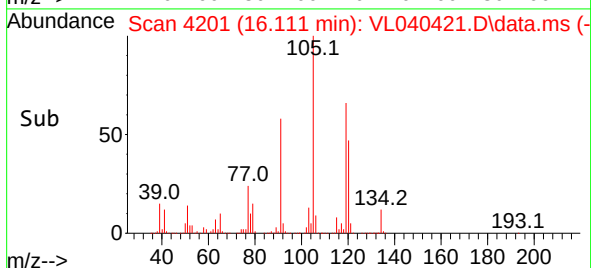
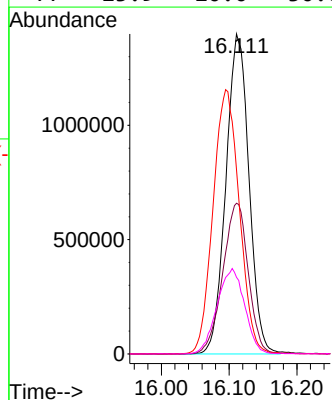
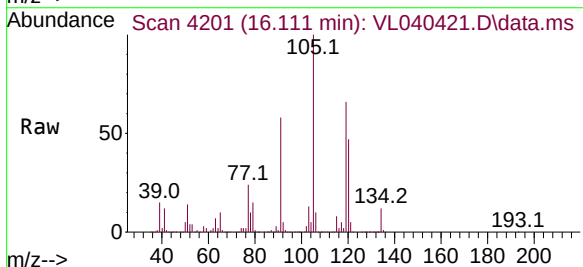
Instrument :
MSVOA_1
ClientSampleId :
VL0512ABS01

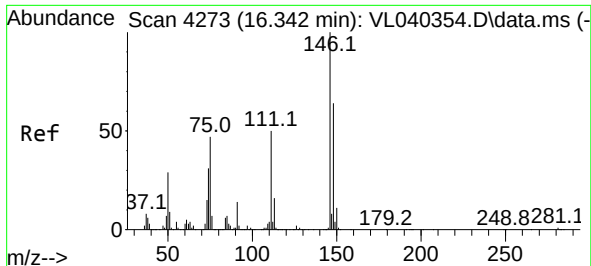
Tgt Ion:105 Resp: 2991238
Ion Ratio Lower Upper
105 100
120 44.4 36.9 55.3



#74
1,2,4-Trimethylbenzene
Concen: 10.125 ppbv
RT: 16.111 min Scan# 4201
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion:105 Resp: 3306834
Ion Ratio Lower Upper
105 100
120 47.1 38.9 58.3
91 57.5 46.0 69.0
77 23.9 20.0 30.0

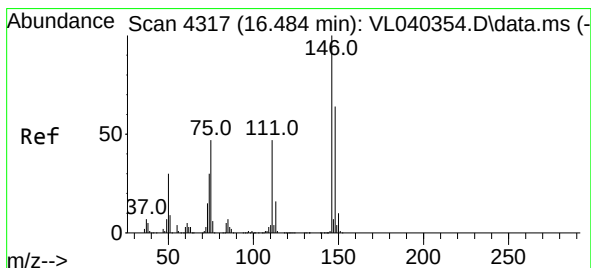
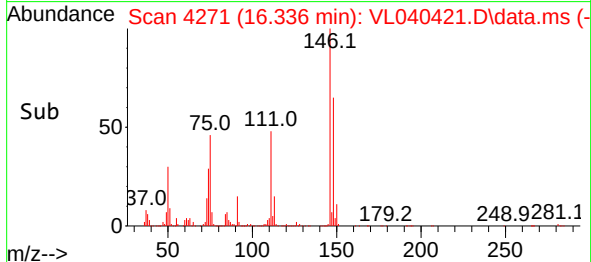
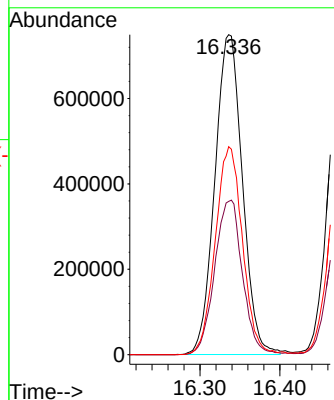
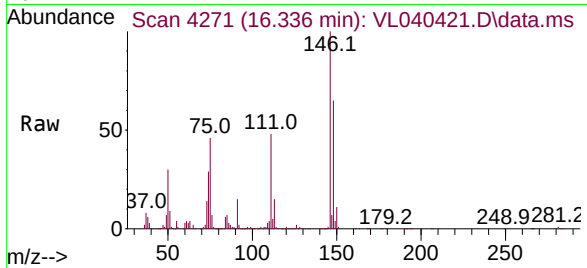




#75
1,3-Dichlorobenzene
Concen: 10.014 ppbv
RT: 16.336 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

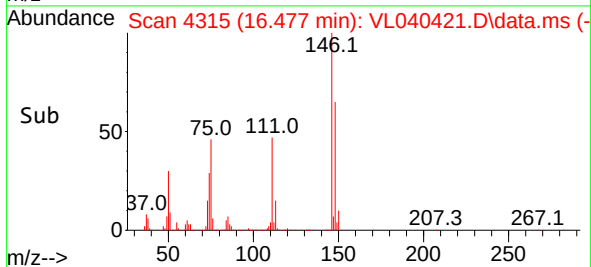
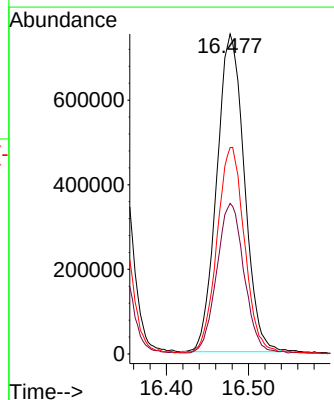
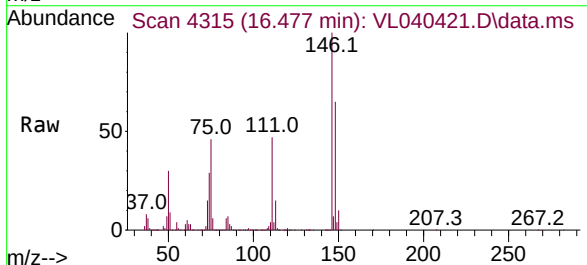
Instrument :
MSVOA_1
ClientSampleId :
VL0512ABS01

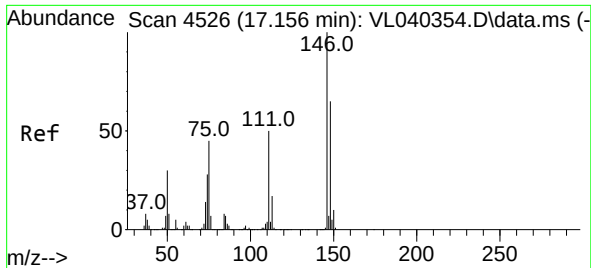
Tgt Ion:146 Resp: 1791467
Ion Ratio Lower Upper
146 100
111 48.9 24.6 74.0
148 64.6 32.1 96.3



#76
1,4-Dichlorobenzene
Concen: 9.916 ppbv
RT: 16.477 min Scan# 4315
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion:146 Resp: 1752681
Ion Ratio Lower Upper
146 100
111 47.7 23.8 71.4
148 66.0 32.4 97.2





#77

1,2-Dichlorobenzene

Concen: 9.675 ppbv

RT: 17.149 min Scan# 4526

Delta R.T. -0.007 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

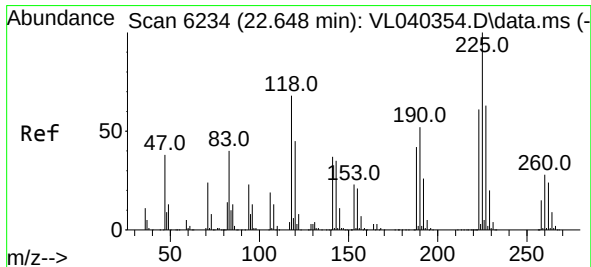
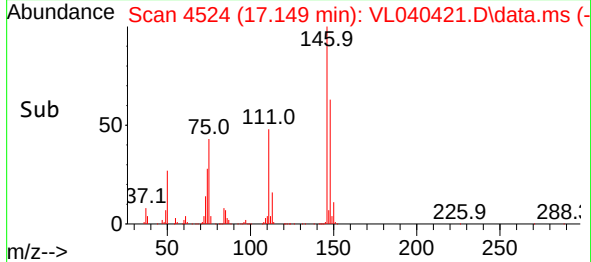
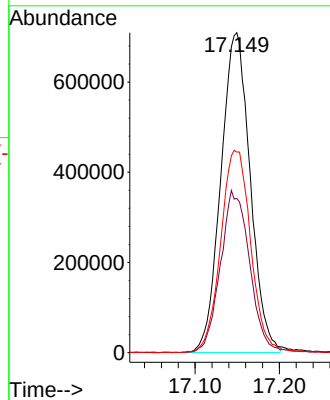
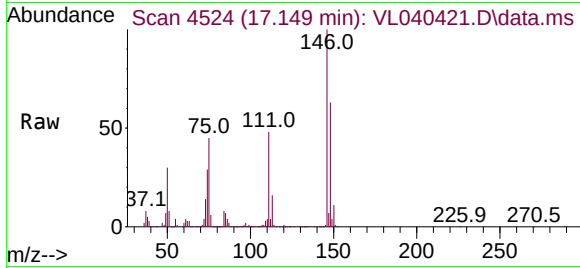
Tgt Ion:146 Resp: 1711462

Ion Ratio Lower Upper

146 100

111 50.9 25.4 76.0

148 65.1 32.0 96.2



#78

Hexachloro-1,3-Butadiene

Concen: 9.210 ppbv

RT: 22.641 min Scan# 6232

Delta R.T. -0.007 min

Lab File: VL040421.D

Acq: 12 May 2023 16:48

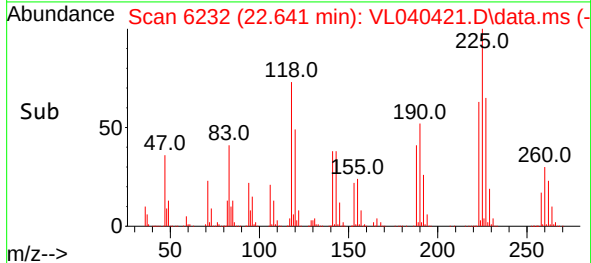
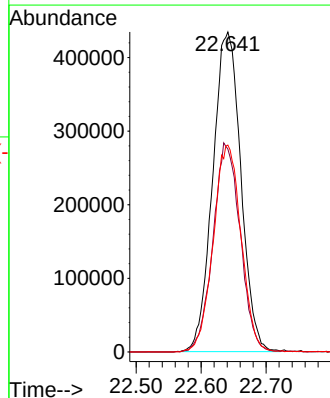
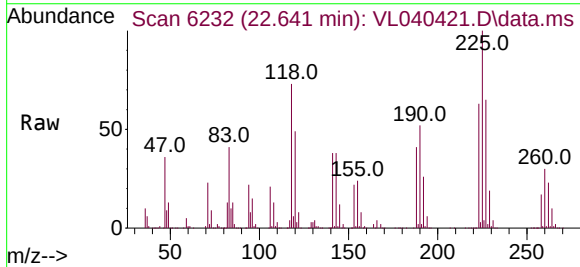
Tgt Ion:225 Resp: 1306075

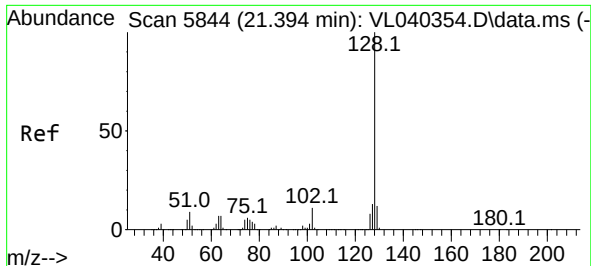
Ion Ratio Lower Upper

225 100

223 63.4 50.7 76.1

227 64.3 51.0 76.4

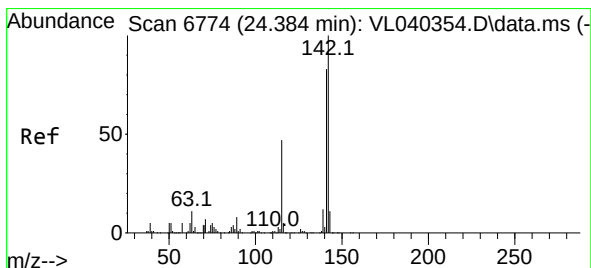
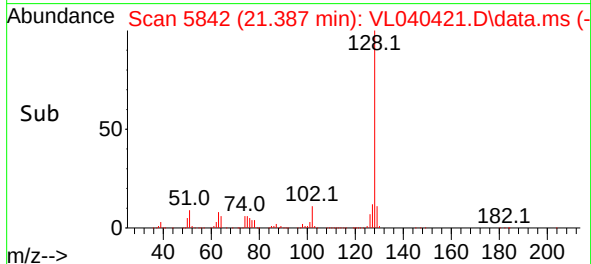
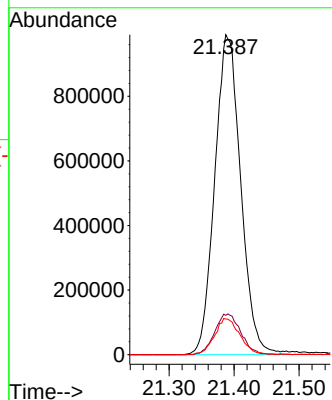
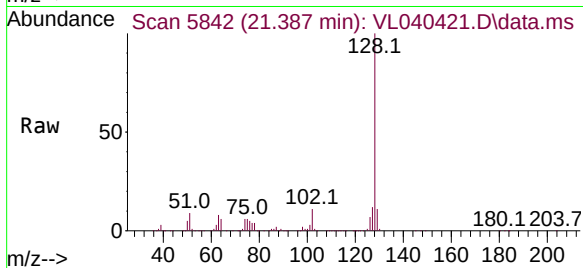




#79
Naphthalene
Concen: 12.425 ppbv
RT: 21.387 min Scan# 5842
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

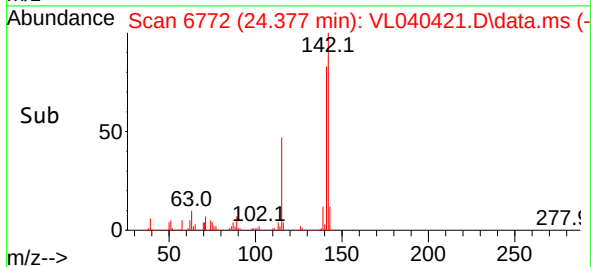
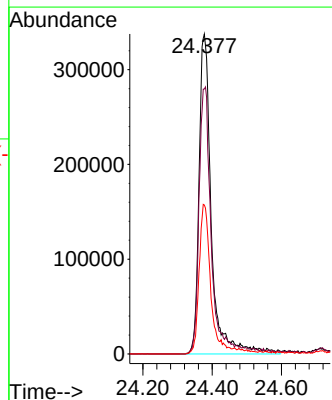
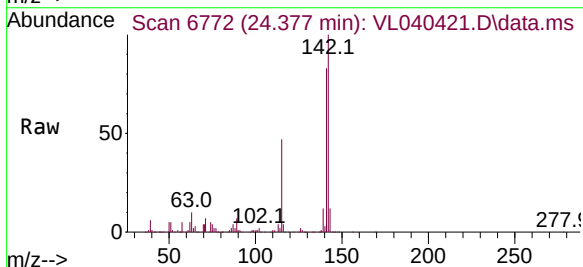
Instrument :
MSVOA_1
ClientSampleId :
VL0512ABS01

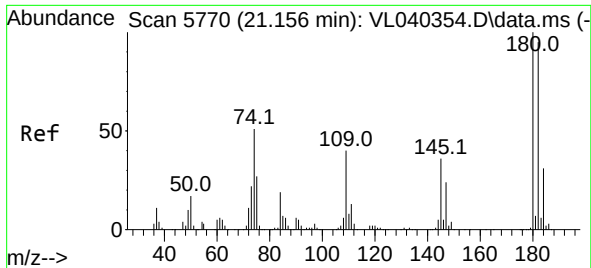
Tgt Ion:128 Resp: 2739215
Ion Ratio Lower Upper
128 100
127 12.3 10.0 15.0
129 11.2 9.4 14.0



#80
Naphthalene,2-methyl-
Concen: 12.812 ppbv
RT: 24.377 min Scan# 6772
Delta R.T. -0.007 min
Lab File: VL040421.D
Acq: 12 May 2023 16:48

Tgt Ion:142 Resp: 840788
Ion Ratio Lower Upper
142 100
141 84.1 65.1 97.7
115 45.4 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 10.607 ppbv

RT: 21.143 min Scan# 51

Delta R.T. -0.013 min

Lab File: VL040421.D

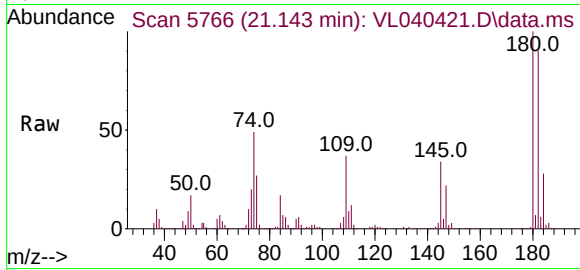
Acq: 12 May 2023 16:48

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01



Tgt Ion:180 Resp: 1437078

Ion Ratio Lower Upper

180 100

182 95.6 77.7 116.5

184 31.1 24.2 36.2

