

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040218.D
 Acq On : 23 Feb 2023 11:58
 Operator : SY/MD
 Sample : VL0223ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0223ABS01

Quant Time: Feb 24 00:46:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Feb 24 00:45:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	871475	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2171526	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2150544	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1780915	10.071	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	1445685	8.901	ppbv	98
3) Chlorodifluoromethane	2.664	51	1016411	9.763	ppbv	99
4) Chloromethane	2.803	50	631380	9.655	ppbv	92
5) Vinyl Chloride	2.912	62	547164	10.412	ppbv	99
6) Bromomethane	3.111	94	188956	9.963	ppbv	98
7) Chloroethane	3.189	64	210694	10.111	ppbv	96
8) Dichlorotetrafluoroethane	2.848	85	1392131	9.947	ppbv	100
9) Propene	2.684	41	423541	9.981	ppbv	100
10) Heptane	7.581	43	1065248	10.547	ppbv	100
11) Trichlorofluoromethane	3.555	101	1487802	10.209	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.060	101	1110499	10.329	ppbv	98
13) Ethanol	3.237	45	20537	5.257	ppbv	90
14) Bromoethene	3.356	108	441711	10.714	ppbv	99
15) Acetone	3.459	43	961488	9.164	ppbv	99
16) 1,3-Butadiene	2.976	39	494147	10.313	ppbv	97
17) tert-Butyl alcohol	3.870	59	1010948	10.565	ppbv	99
18) 1,1-Dichloroethene	3.873	96	482070	10.320	ppbv	97
19) Isopropyl Alcohol	3.565	45	471376	9.451	ppbv #	98
20) Methylene Chloride	3.928	84	421874	7.724	ppbv	98
21) Allyl Chloride	3.989	41	690150	10.725	ppbv	99
22) trans-1,2-Dichloroethene	4.439	96	509453	10.532	ppbv	92
23) Vinyl Acetate	4.619	43	338091	10.618	ppbv	98
24) 1,1-Dichloroethane	4.558	63	1031018	10.359	ppbv	99
25) Ethyl Acetate	5.201	43	1944643	9.970	ppbv	100
26) Hexane	5.211	57	818900	9.780	ppbv	99
27) Carbon Disulfide	4.118	76	1231866	11.594	ppbv	98
28) Methyl tert-Butyl Ether	4.581	73	927036	10.333	ppbv	99
29) Chloroform	5.272	83	1436917	9.994	ppbv	96
30) Cyclohexane	6.603	84	698241	10.620	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	792484	9.961	ppbv	96
32) 1,1,1-Trichloroethane	6.002	97	1436781	10.637	ppbv	100
34) 2-Butanone	4.780	43	1099824	10.267	ppbv	99
35) Carbon Tetrachloride	6.491	117	1497063	11.662	ppbv	98
36) Benzene	6.372	78	1757090	10.397	ppbv	98
37) 1,2-Dichloroethane	5.806	62	1118543	10.583	ppbv	99
38) Trichloroethene	7.291	130	1042350	11.194	ppbv	96
39) 1,2-Dichloropropane	7.073	63	676623	10.292	ppbv	95
40) 1,4-Dioxane	7.288	88	245108	9.321	ppbv #	1
41) Tetrahydrofuran	5.552	42	669982	10.793	ppbv	99
42) Bromodichloromethane	7.253	83	1588841	10.891	ppbv	99
43) Methyl Methacrylate	7.478	69	707110	11.308	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	2951154	10.461	ppbv	99
45) t-1,3-Dichloropropene	8.712	75	672315	12.121	ppbv	100

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

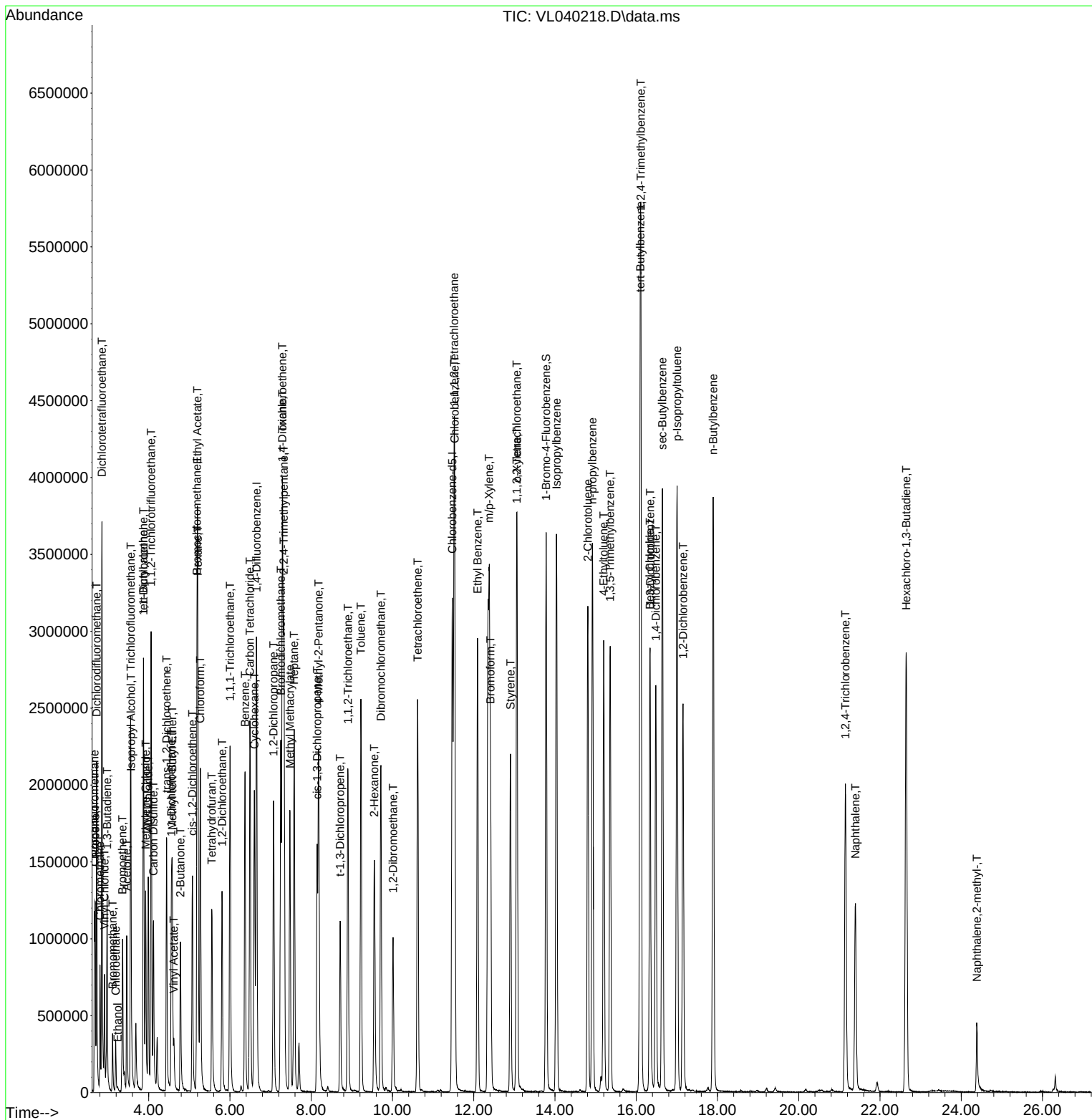
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0223ABS01

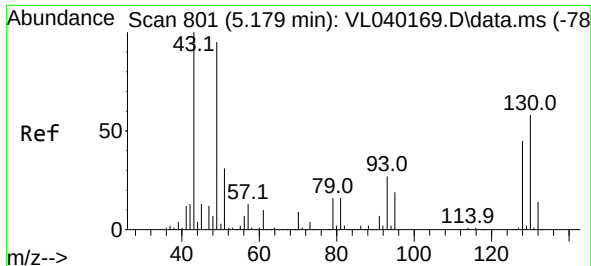
Quant Time: Feb 24 00:46:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Feb 24 00:45:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	898040	11.621	ppbv	98
47) 1,1,2-Trichloroethane	8.902	97	737396	10.371	ppbv	99
48) Dibromochloromethane	9.716	129	1272329	11.187	ppbv	98
49) Bromoform	12.413	173	1013748	11.420	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	1844636	11.091	ppbv	99
51) 2-Hexanone	9.552	43	1400951	10.952	ppbv #	99
52) Tetrachloroethene	10.622	164	584552	11.077	ppbv	97
53) Toluene	9.224	91	2008542	11.097	ppbv	100
54) 1,2-Dibromoethane	10.015	107	818703	11.066	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.516	131	922614	10.220	ppbv	98
57) Chlorobenzene	11.532	112	1541045	9.808	ppbv	99
58) Ethyl Benzene	12.095	91	2756972	10.551	ppbv	99
59) m/p-Xylene	12.378	91	2538904	10.971	ppbv #	41
60) o-Xylene	13.066	91	2307747	10.363	ppbv	100
61) Styrene	12.905	104	1297943	11.102	ppbv	99
62) Isopropylbenzene	14.037	105	3244245	10.150	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.056	83	763827	9.518	ppbv	99
64) n-propylbenzene	14.924	120	814933	10.301	ppbv	95
65) tert-Butylbenzene	16.101	119	2817752	10.141	ppbv	99
66) Benzyl Chloride	16.336	91	184692	9.989	ppbv	98
67) sec-Butylbenzene	16.641	105	4004853	10.051	ppbv	99
69) p-Isopropyltoluene	17.005	119	3173563	10.046	ppbv	99
70) n-Butylbenzene	17.892	91	3433946	10.015	ppbv	100
71) 2-Chlorotoluene	14.809	91	2482565	10.155	ppbv	100
72) 4-Ethyltoluene	15.198	105	2606326	10.588	ppbv	99
73) 1,3,5-Trimethylbenzene	15.359	105	2307135	10.072	ppbv	100
74) 1,2,4-Trimethylbenzene	16.114	105	2496174	9.921	ppbv	94
75) 1,3-Dichlorobenzene	16.342	146	1346663	9.780	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1308898	9.701	ppbv	98
77) 1,2-Dichlorobenzene	17.153	146	1294517	9.465	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	378310	4.026	ppbv #	15
79) Naphthalene	21.397	128	1544011	10.923	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	316582	7.876	ppbv	97
81) 1,2,4-Trichlorobenzene	21.149	180	848826	9.596	ppbv	98

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

Quant Time: Feb 24 00:46:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
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QLast Update : Fri Feb 24 00:45:34 2023
Response via : Initial Calibration

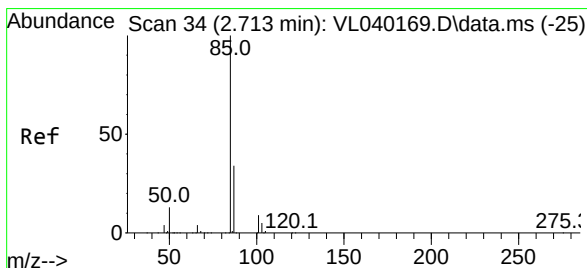
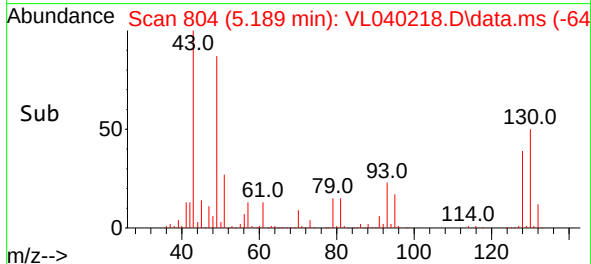
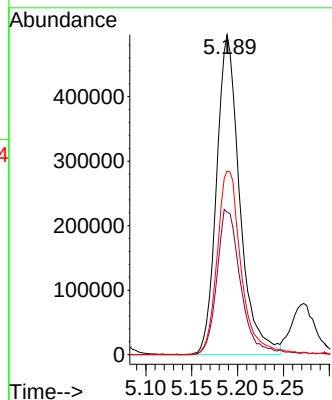
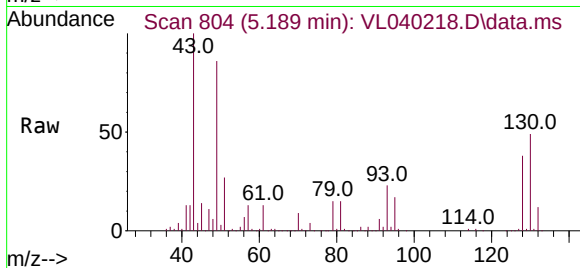




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.189 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

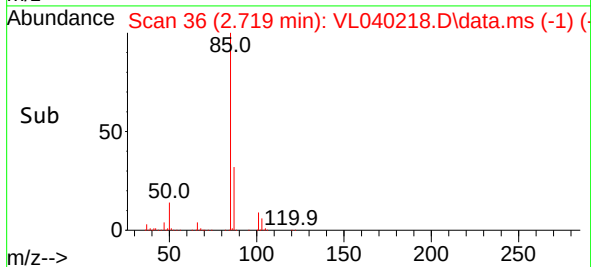
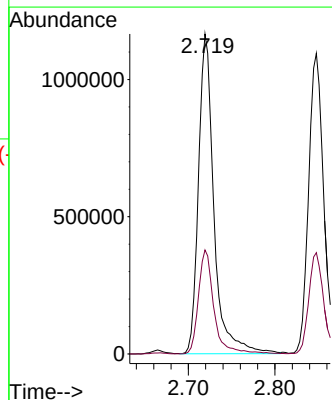
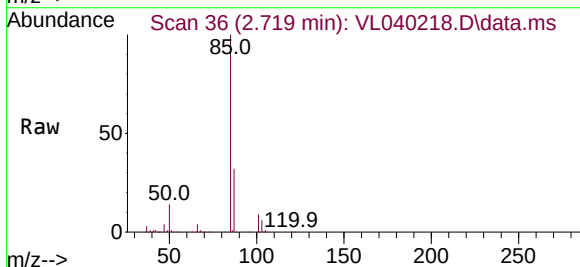
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0223ABS01

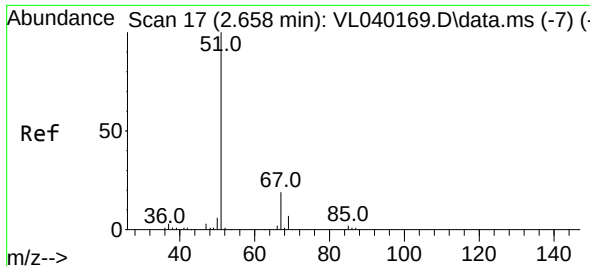
Tgt Ion: 49 Resp: 871475
 Ion Ratio Lower Upper
 49 100
 128 47.4 24.1 72.3
 130 60.4 30.9 92.8



#2
 Dichlorodifluoromethane
 Concen: 8.901 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. 0.000 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

Tgt Ion: 85 Resp: 1445685
 Ion Ratio Lower Upper
 85 100
 87 32.5 27.0 40.6

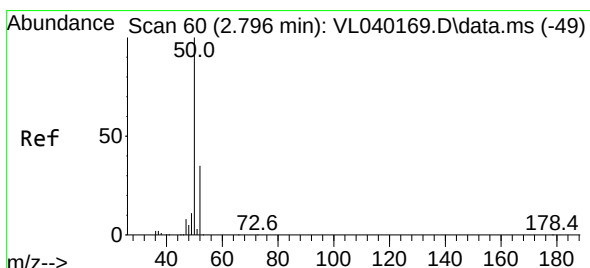
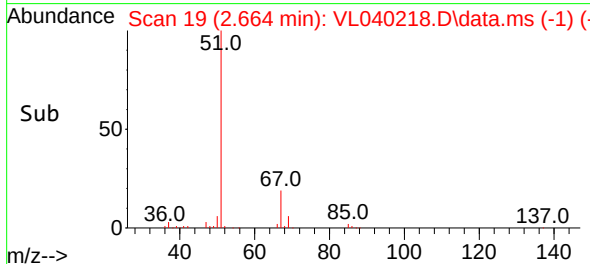
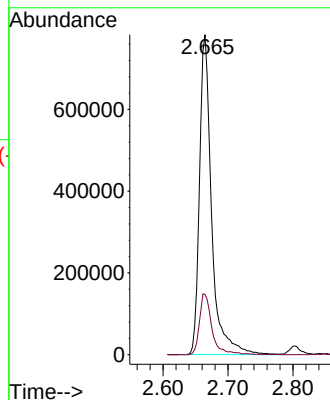
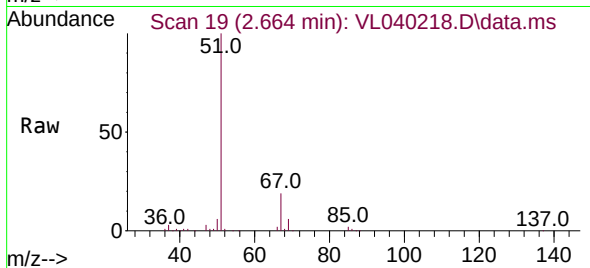




#3
Chlorodifluoromethane
Concen: 9.763 ppbv
RT: 2.664 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

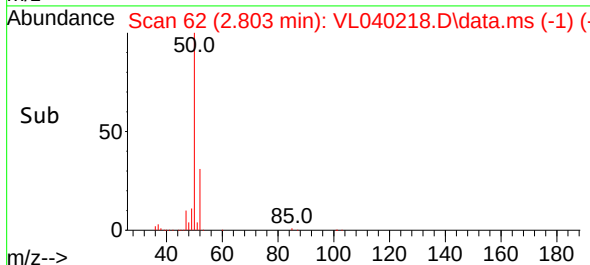
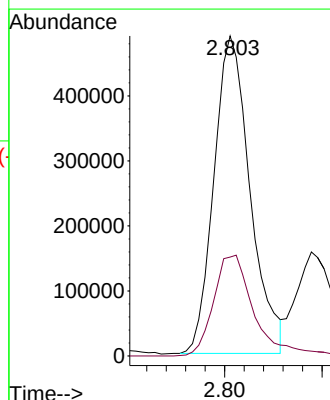
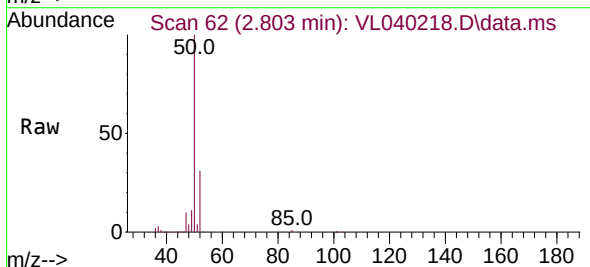
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MSVOA_L
ClientSampleId :
VL0223ABS01

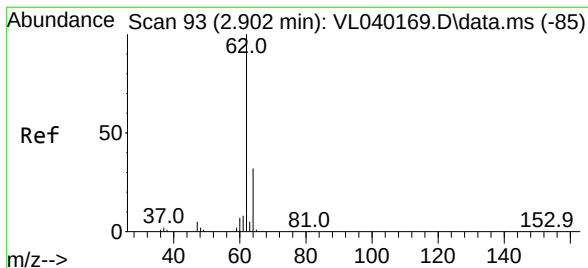
Tgt Ion: 51 Resp: 1016411
Ion Ratio Lower Upper
51 100
67 19.8 15.4 23.2



#4
Chloromethane
Concen: 9.655 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.000 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion: 50 Resp: 631380
Ion Ratio Lower Upper
50 100
52 31.0 28.3 42.5

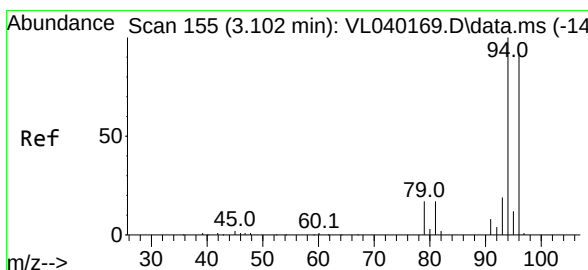
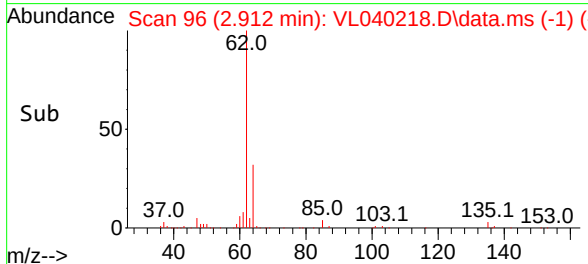
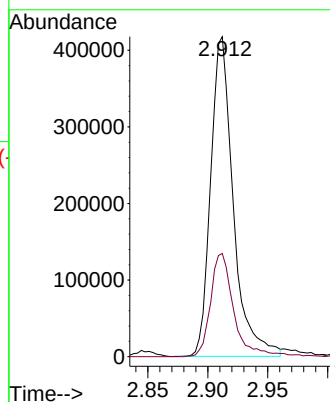
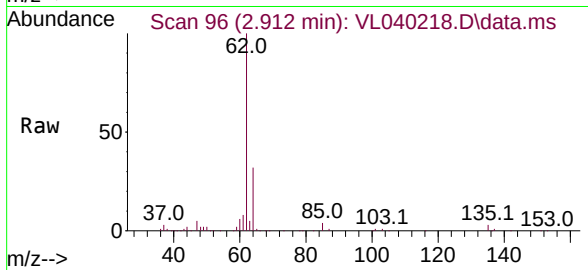




#5
 Vinyl Chloride
 Concen: 10.412 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

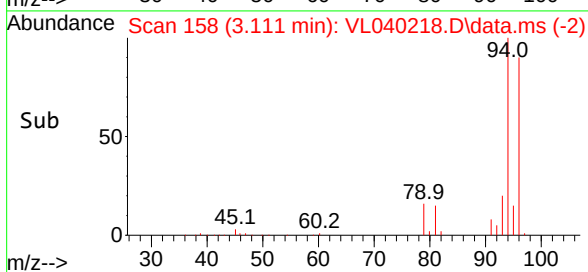
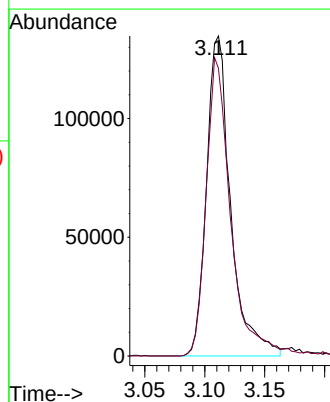
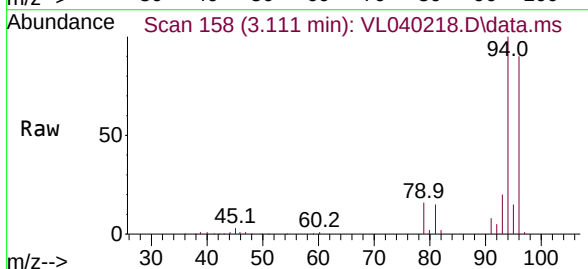
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0223ABS01

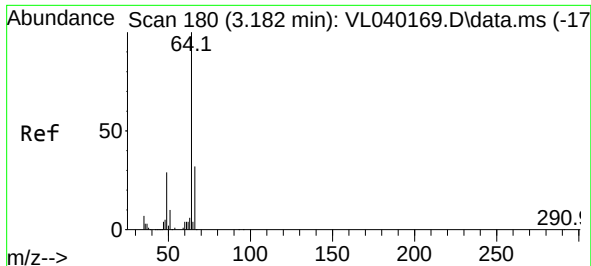
Tgt Ion: 62 Resp: 547164
 Ion Ratio Lower Upper
 62 100
 64 32.3 25.6 38.4



#6
 Bromomethane
 Concen: 9.963 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. 0.000 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

Tgt Ion: 94 Resp: 188956
 Ion Ratio Lower Upper
 94 100
 96 89.9 73.4 110.2

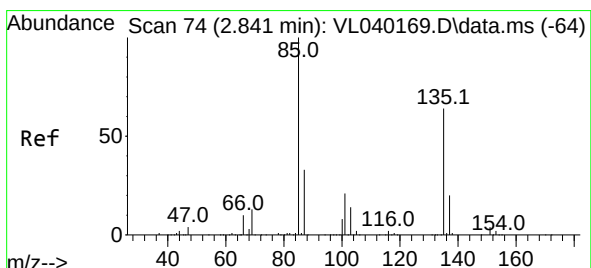
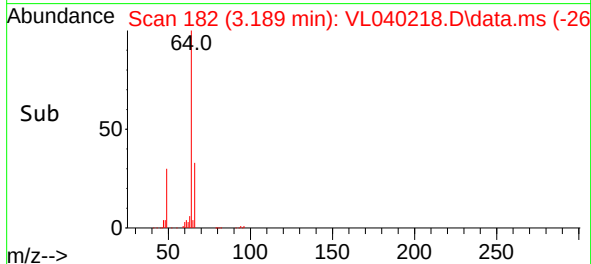
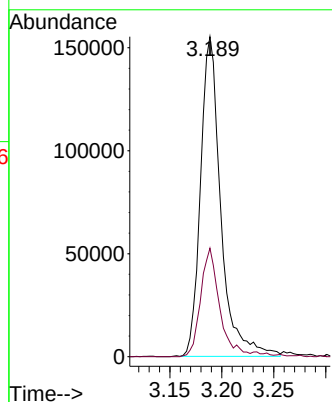
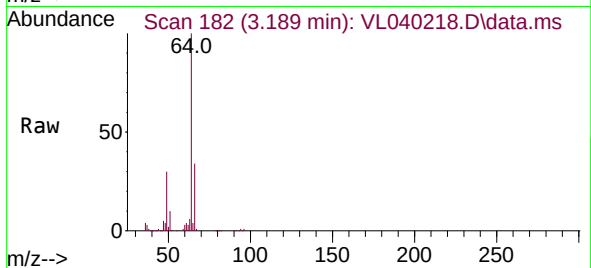




#7
Chloroethane
Concen: 10.111 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

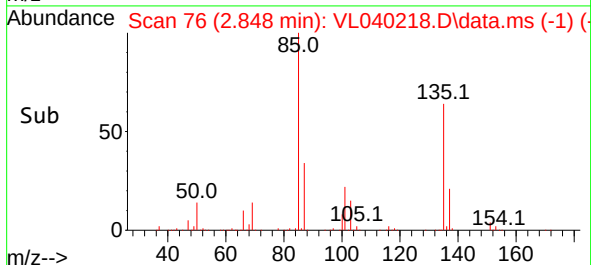
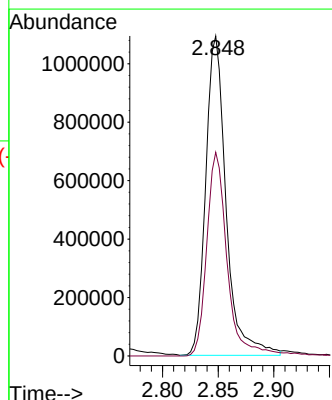
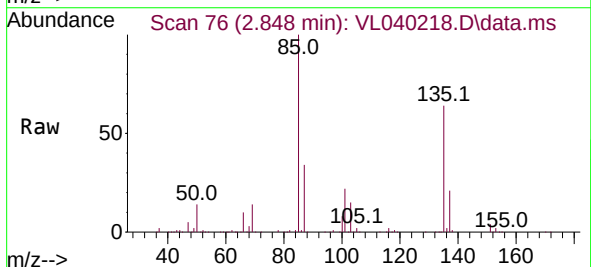
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ClientSampleId :
VL0223ABS01

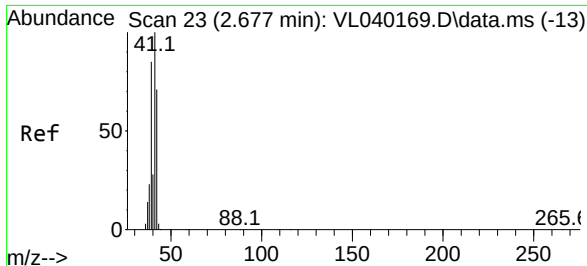
Tgt Ion: 64 Resp: 210694
Ion Ratio Lower Upper
64 100
66 33.9 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 9.947 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.000 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion: 85 Resp: 1392131
Ion Ratio Lower Upper
85 100
135 64.7 51.5 77.3





#9

Propene

Concen: 9.981 ppbv

RT: 2.684 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

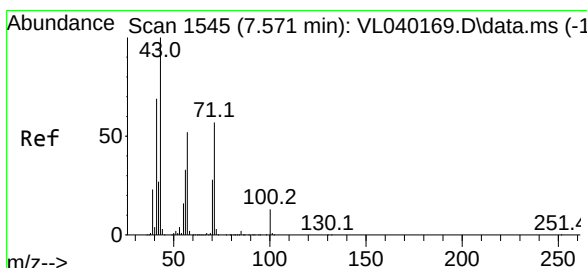
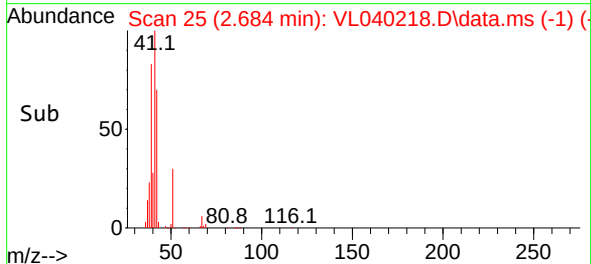
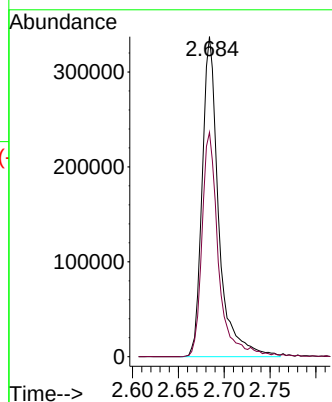
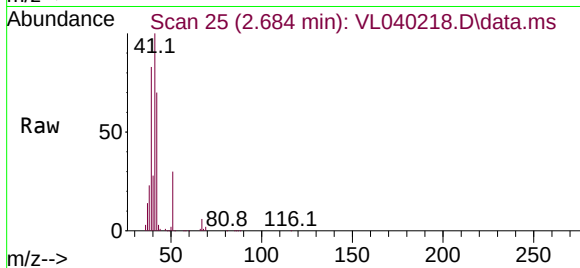
VL0223ABS01

Tgt Ion: 41 Resp: 423541

Ion Ratio Lower Upper

41 100

42 70.7 56.9 85.3



#10

Heptane

Concen: 10.547 ppbv

RT: 7.581 min Scan# 1548

Delta R.T. 0.000 min

Lab File: VL040218.D

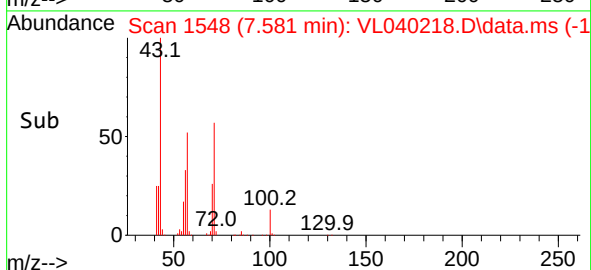
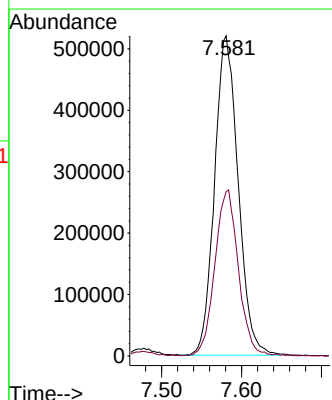
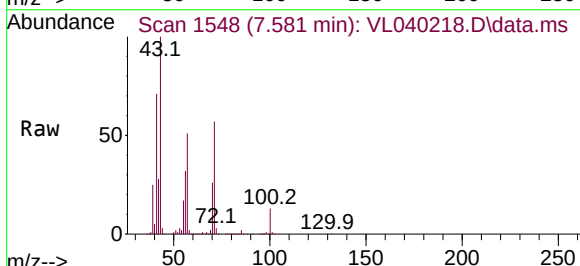
Acq: 23 Feb 2023 11:58

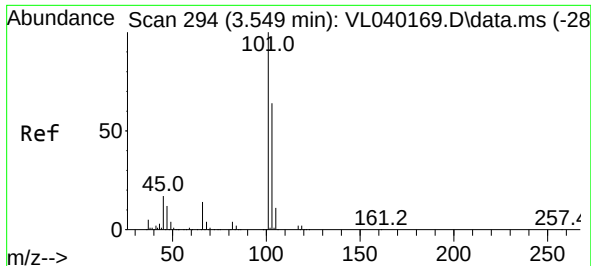
Tgt Ion: 43 Resp: 1065248

Ion Ratio Lower Upper

43 100

57 52.1 41.4 62.2

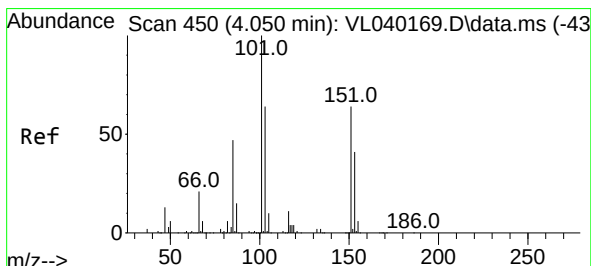
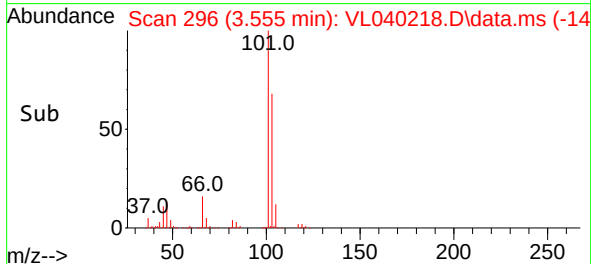
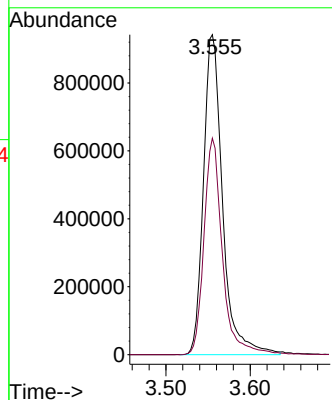
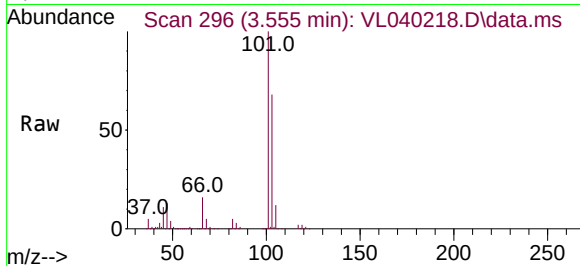




#11
 Trichlorofluoromethane
 Concen: 10.209 ppbv
 RT: 3.555 min Scan# 294
 Delta R.T. 0.000 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

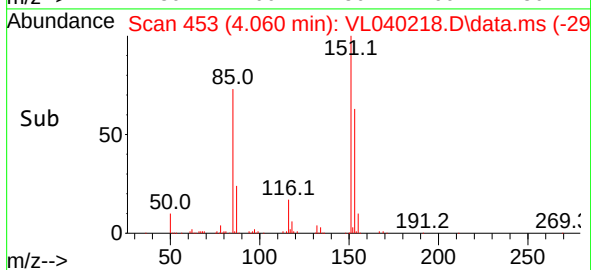
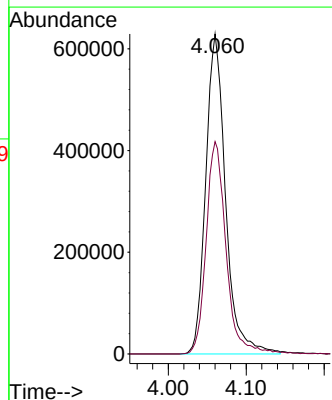
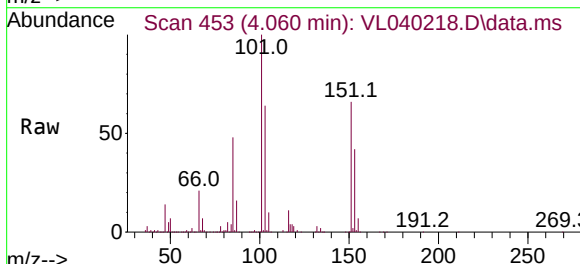
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0223ABS01

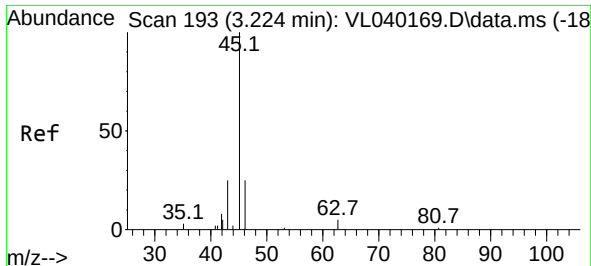
Tgt Ion:101 Resp: 1487802
 Ion Ratio Lower Upper
 101 100
 103 67.6 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.329 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. 0.000 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

Tgt Ion:101 Resp: 1110499
 Ion Ratio Lower Upper
 101 100
 151 67.1 54.7 82.1

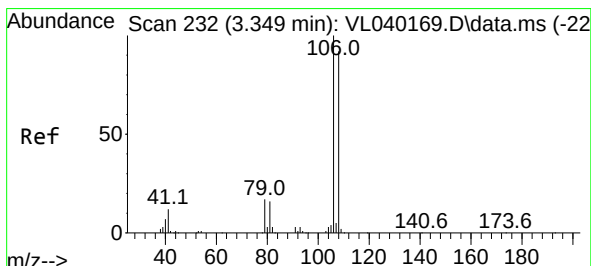
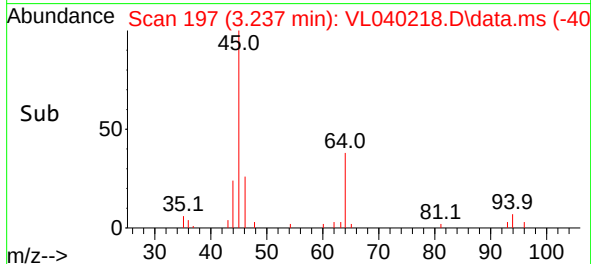
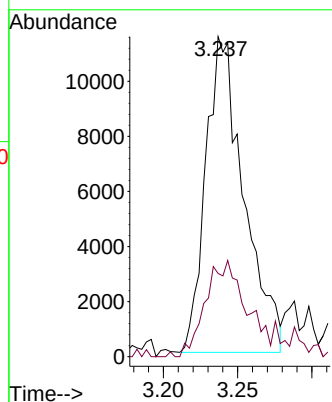
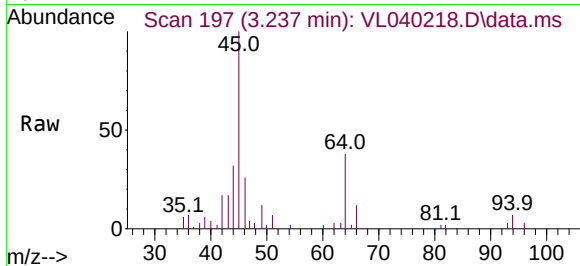




#13
Ethanol
Concen: 5.257 ppbv
RT: 3.237 min Scan# 193
Delta R.T. 0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

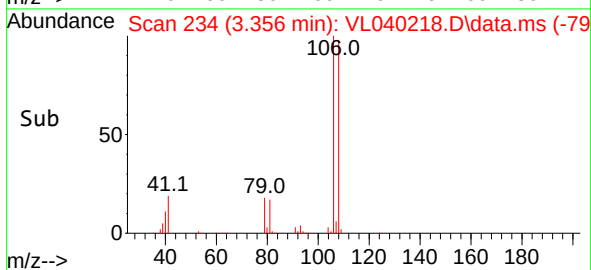
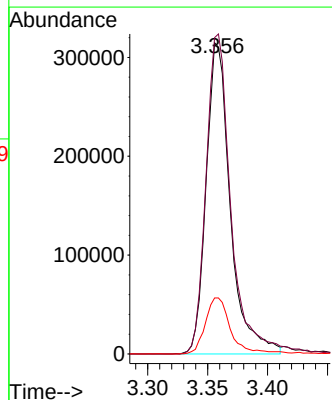
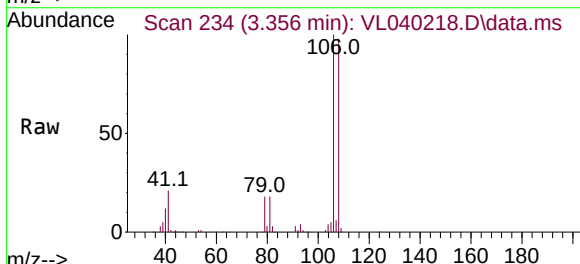
Instrument :
MSVOA_1
ClientSampleId :
VL0223ABS01

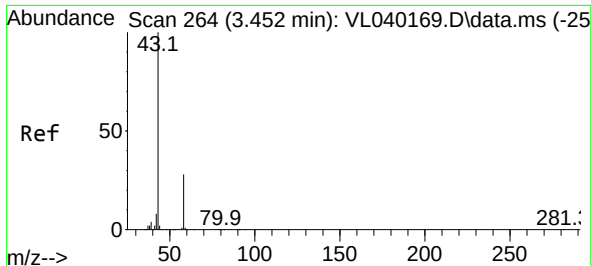
Tgt Ion: 45 Resp: 20537
Ion Ratio Lower Upper
45 100
46 38.8 13.3 53.1



#14
Bromoethene
Concen: 10.714 ppbv
RT: 3.356 min Scan# 234
Delta R.T. -0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion: 108 Resp: 441711
Ion Ratio Lower Upper
108 100
106 107.7 87.1 130.7
79 19.7 15.4 23.2

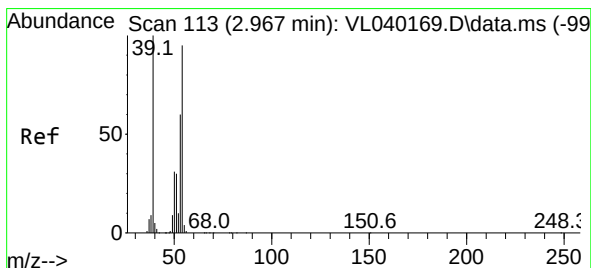
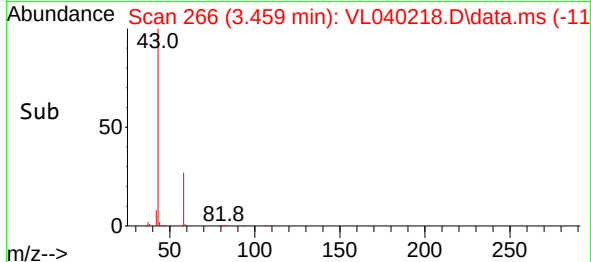
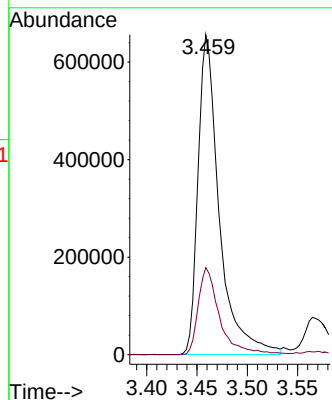
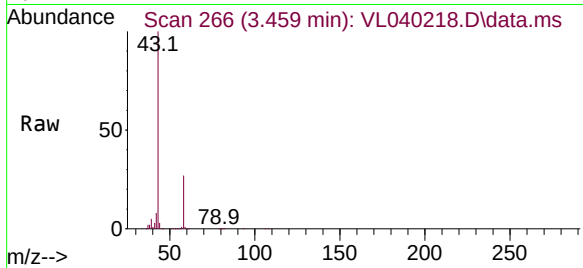




#15
Acetone
Concen: 9.164 ppbv
RT: 3.459 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

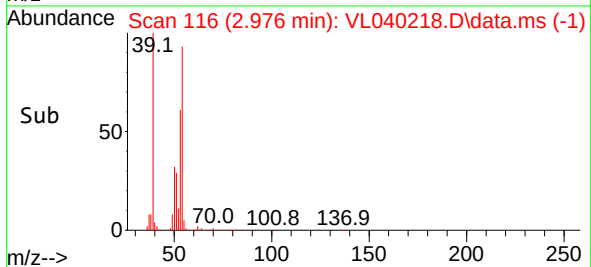
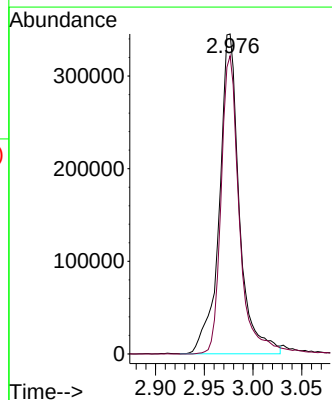
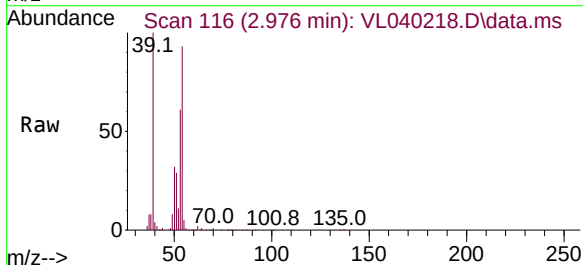
Instrument :
MSVOA_L
ClientSampleId :
VL0223ABS01

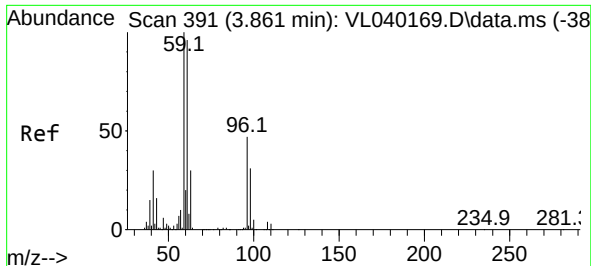
Tgt Ion: 43 Resp: 961488
Ion Ratio Lower Upper
43 100
58 27.6 22.4 33.6



#16
1,3-Butadiene
Concen: 10.313 ppbv
RT: 2.976 min Scan# 116
Delta R.T. 0.000 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion: 39 Resp: 494147
Ion Ratio Lower Upper
39 100
54 86.4 66.7 100.1





#17

tert-Butyl alcohol

Concen: 10.565 ppbv

RT: 3.870 min Scan# 391

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

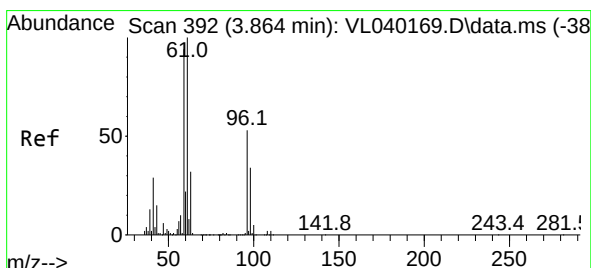
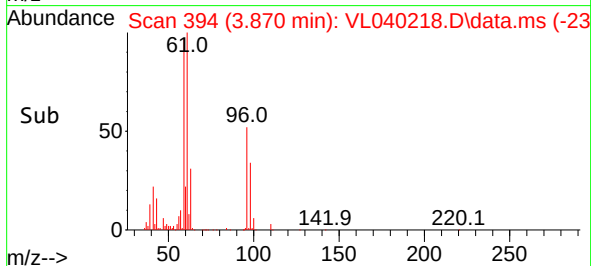
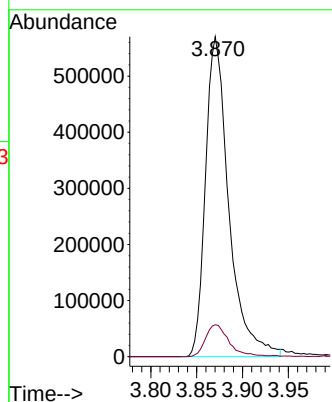
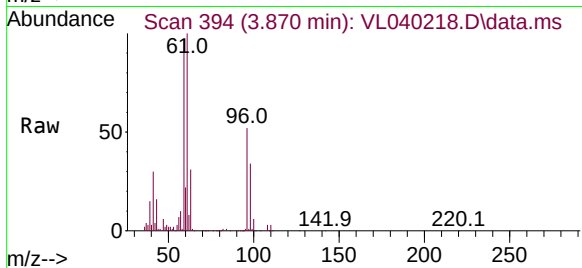
VL0223ABS01

Tgt Ion: 59 Resp: 1010948

Ion Ratio Lower Upper

59 100

57 10.3 8.5 12.7



#18

1,1-Dichloroethene

Concen: 10.320 ppbv

RT: 3.873 min Scan# 395

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

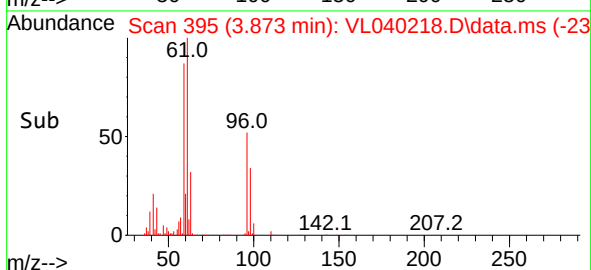
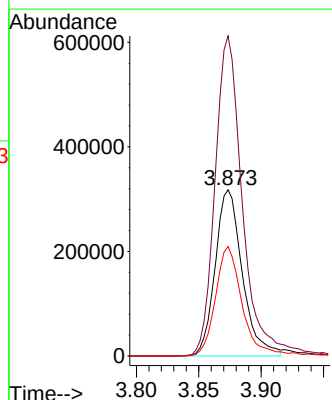
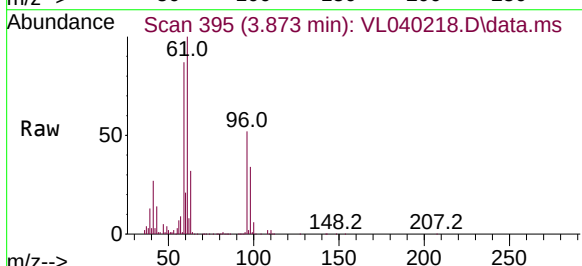
Tgt Ion: 96 Resp: 482070

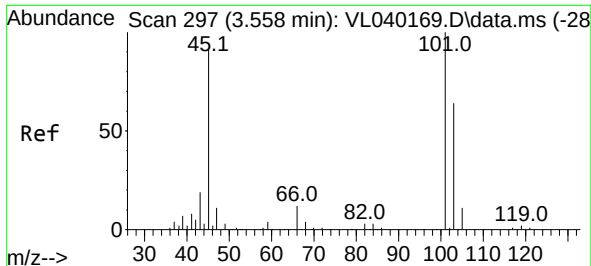
Ion Ratio Lower Upper

96 100

61 192.5 149.6 224.4

98 65.9 51.1 76.7

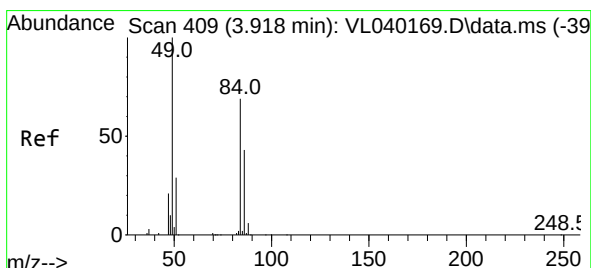
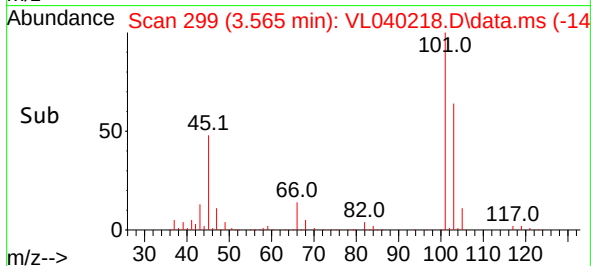
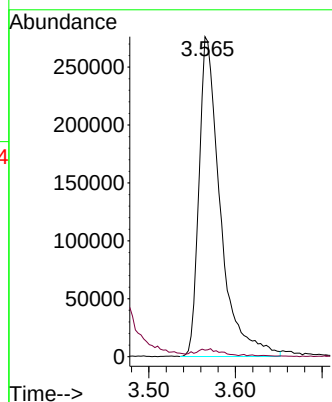
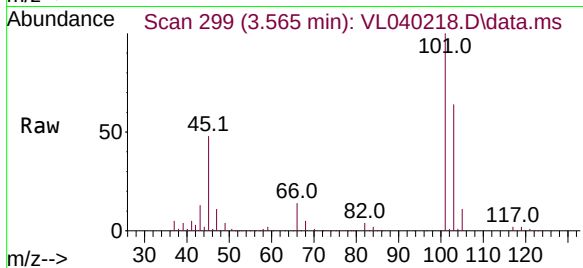




#19
Isopropyl Alcohol
Concen: 9.451 ppbv
RT: 3.565 min Scan# 297
Delta R.T. -0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

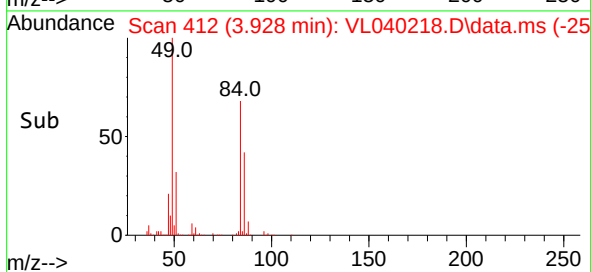
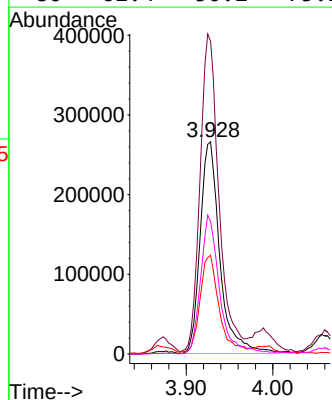
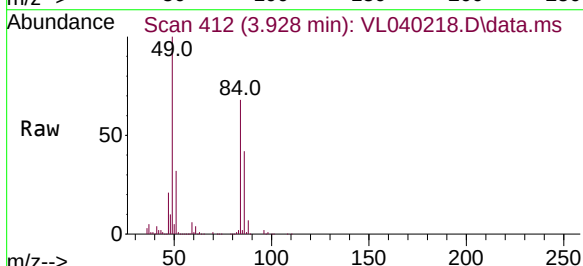
Instrument :
MSVOA_L
ClientSampleId :
VL0223ABS01

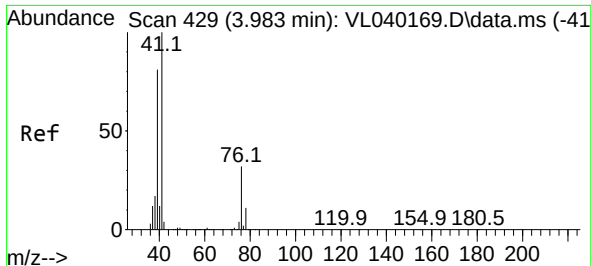
Tgt Ion: 45 Resp: 471376
Ion Ratio Lower Upper
45 100
58 3.9 2.6 3.8#



#20
Methylene Chloride
Concen: 7.724 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion: 84 Resp: 421874
Ion Ratio Lower Upper
84 100
49 146.6 115.5 173.3
51 45.8 33.1 49.7
86 62.4 50.2 75.2





#21

Allyl Chloride

Concen: 10.725 ppbv

RT: 3.989 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

VL0223ABS01

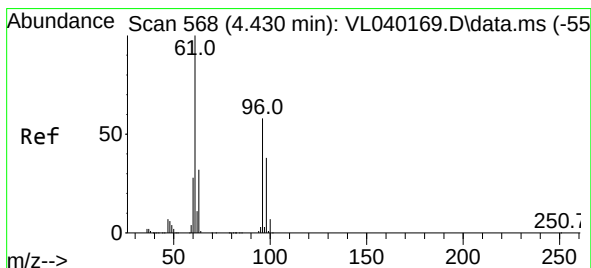
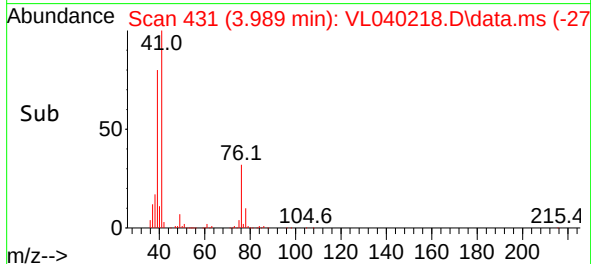
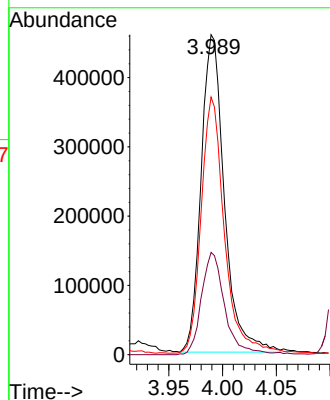
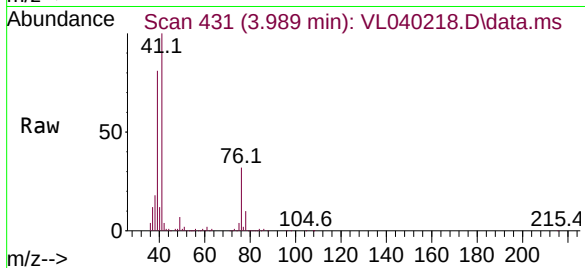
Tgt Ion: 41 Resp: 690150

Ion Ratio Lower Upper

41 100

76 32.5 25.5 38.3

39 81.4 64.5 96.7



#22

trans-1,2-Dichloroethene

Concen: 10.532 ppbv

RT: 4.439 min Scan# 571

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

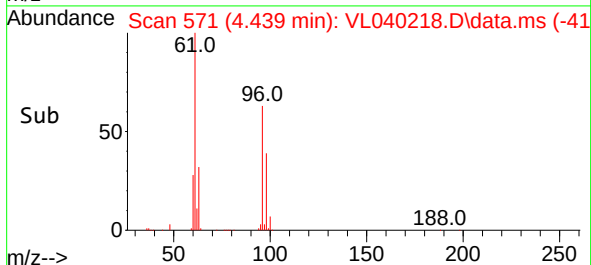
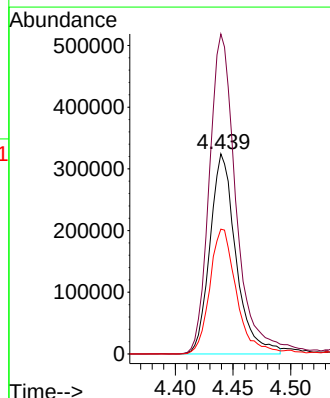
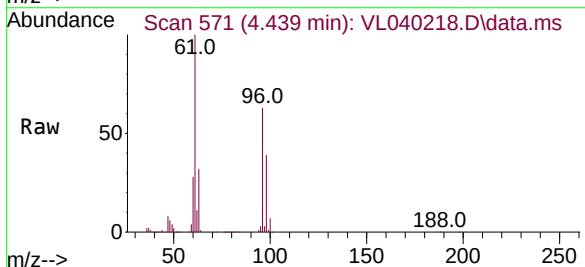
Tgt Ion: 96 Resp: 509453

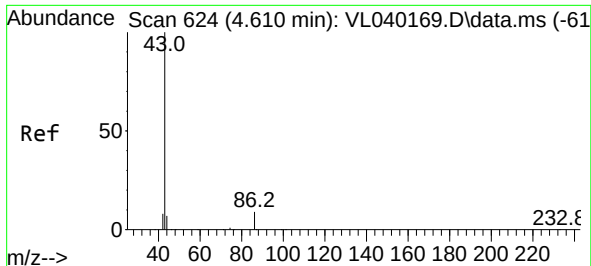
Ion Ratio Lower Upper

96 100

61 159.8 137.5 206.3

98 62.3 52.8 79.2



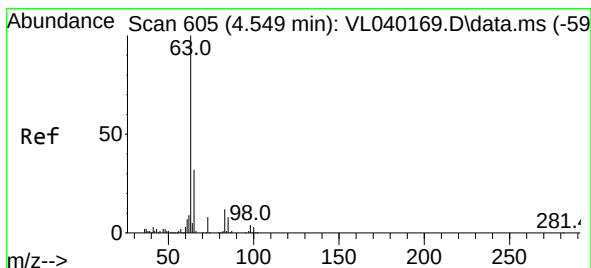
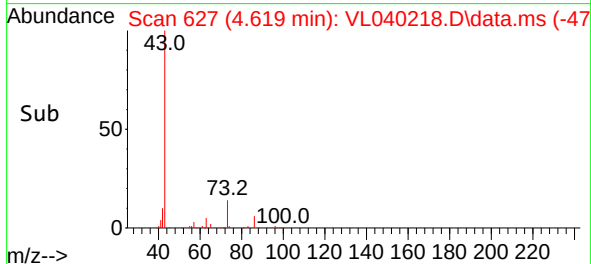
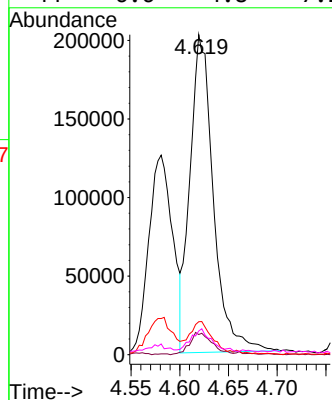
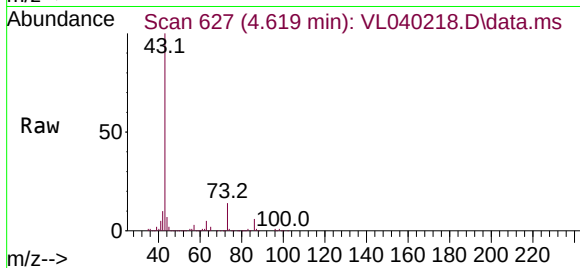


#23
 Vinyl Acetate
 Concen: 10.618 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0223ABS01

Tgt Ion: 43 Resp: 338091

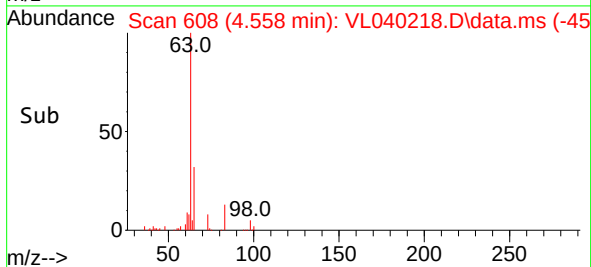
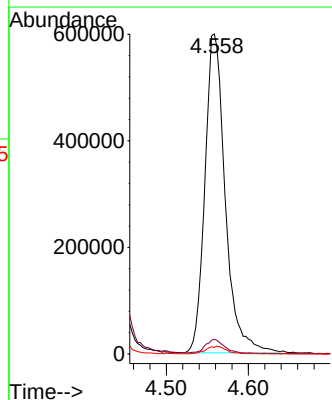
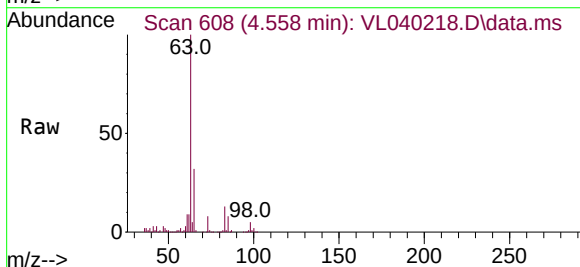
Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.6	8.4
42	10.3	7.6	11.4
44	6.6	4.8	7.2

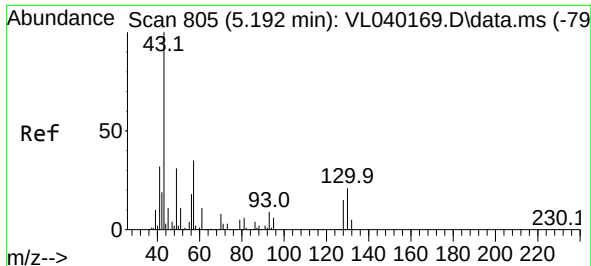


#24
 1,1-Dichloroethane
 Concen: 10.359 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

Tgt Ion: 63 Resp: 1031018

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	2.0	1.4	4.0





#25

Ethyl Acetate

Concen: 9.970 ppbv

RT: 5.201 min Scan# 80

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

VL0223ABS01

Tgt Ion: 43 Resp: 1944643

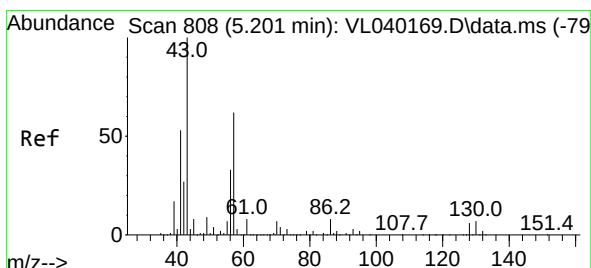
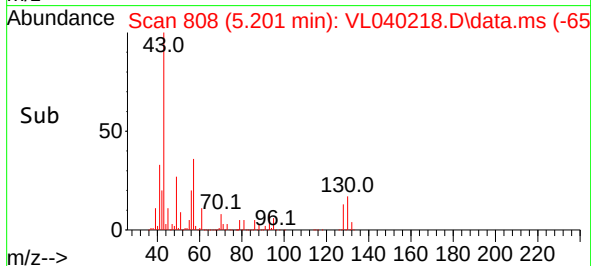
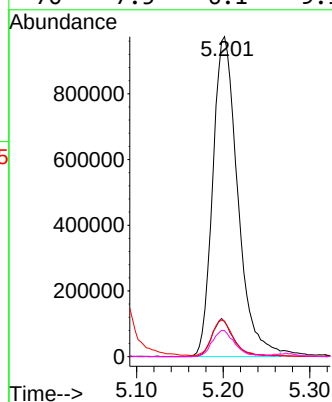
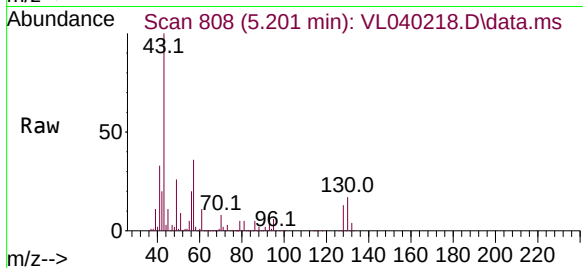
Ion Ratio Lower Upper

43 100

45 10.6 8.3 12.5

61 10.5 8.4 12.6

70 7.5 6.1 9.1



#26

Hexane

Concen: 9.780 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Tgt Ion: 57 Resp: 818900

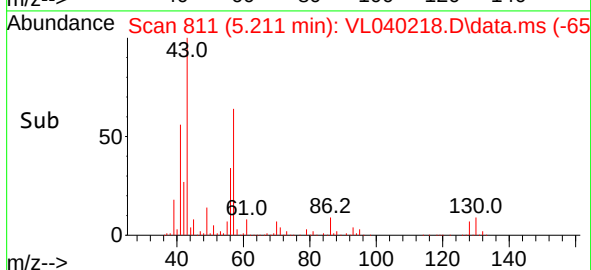
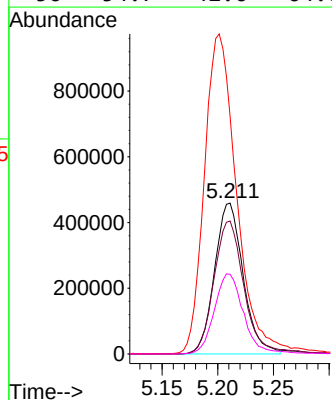
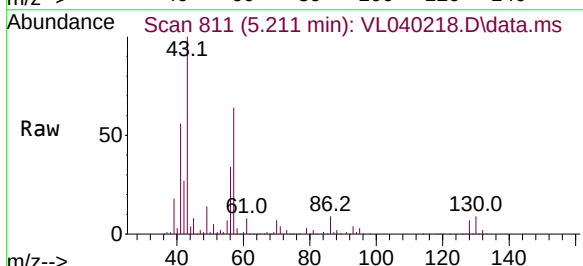
Ion Ratio Lower Upper

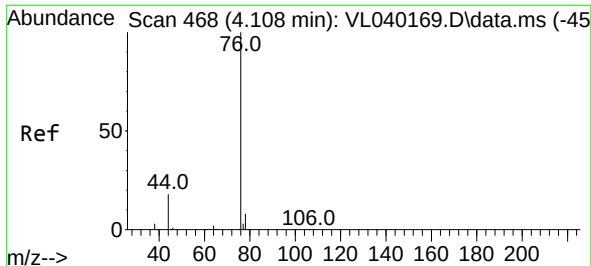
57 100

41 94.0 74.3 111.5

43 241.8 193.0 289.4

56 54.7 42.6 64.0





#27

Carbon Disulfide

Concen: 11.594 ppbv

RT: 4.118 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

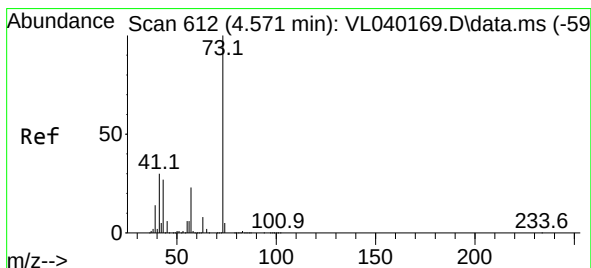
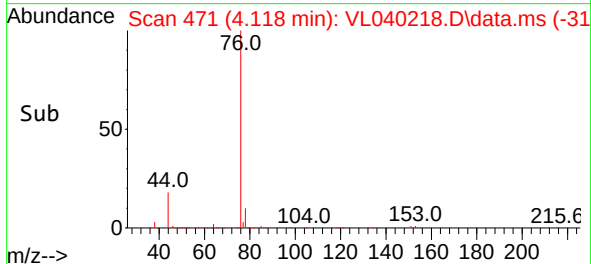
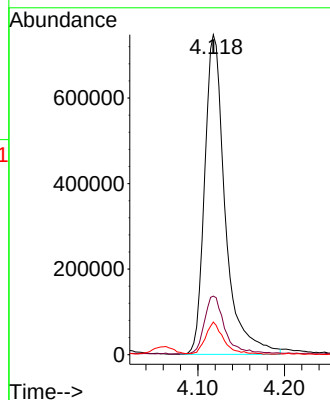
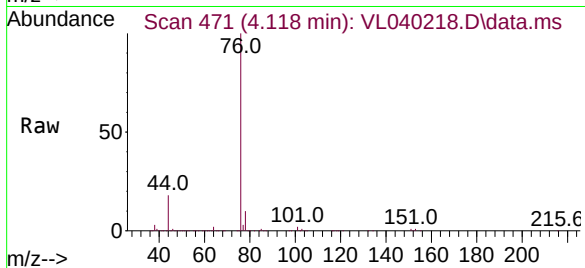
MSVOA_L

ClientSampleId :

VL0223ABS01

Tgt Ion: 76 Resp: 1231866

Ion	Ratio	Lower	Upper
76	100		
44	18.3	15.3	22.9
78	9.2	7.7	11.5



#28

Methyl tert-Butyl Ether

Concen: 10.333 ppbv

RT: 4.581 min Scan# 615

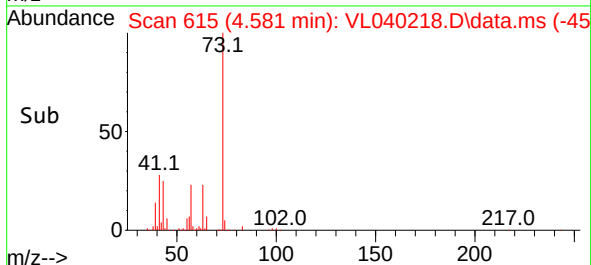
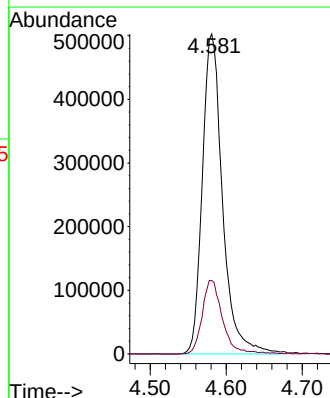
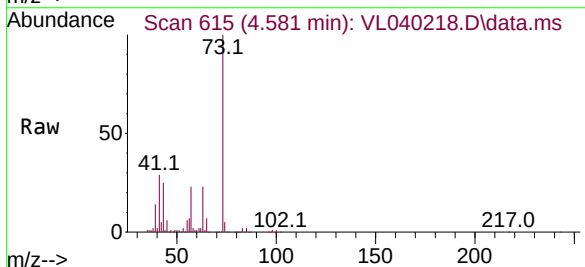
Delta R.T. 0.000 min

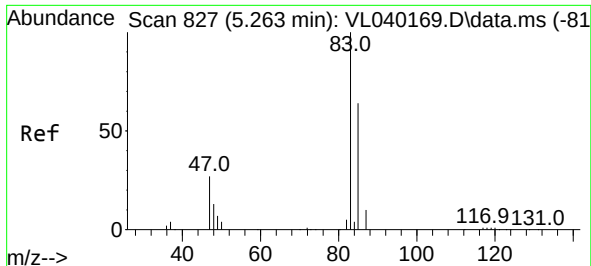
Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Tgt Ion: 73 Resp: 927036

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.8	28.2





#29

Chloroform

Concen: 9.994 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

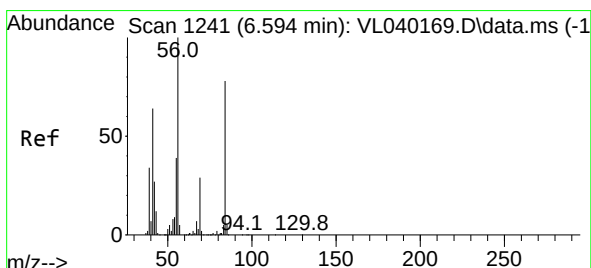
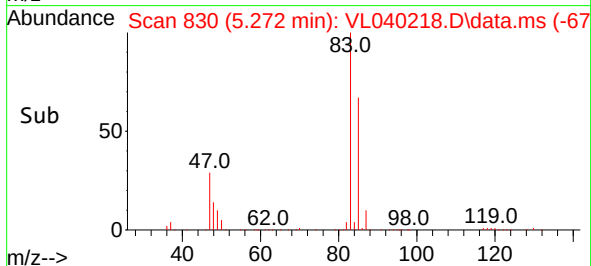
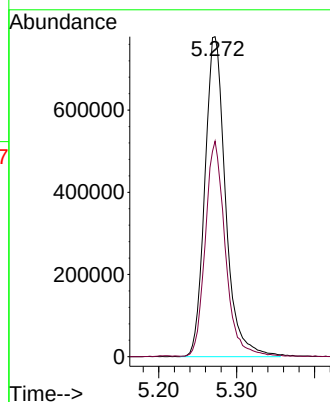
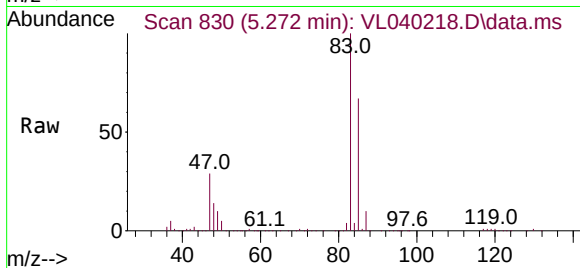
VL0223ABS01

Tgt Ion: 83 Resp: 1436917

Ion Ratio Lower Upper

83 100

85 67.2 51.5 77.3



#30

Cyclohexane

Concen: 10.620 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

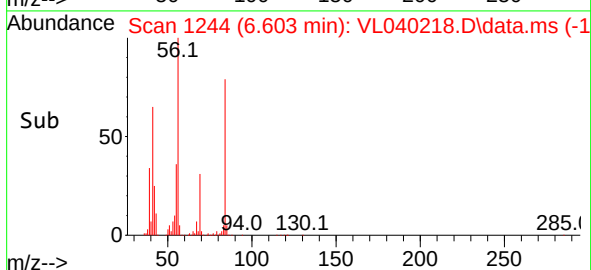
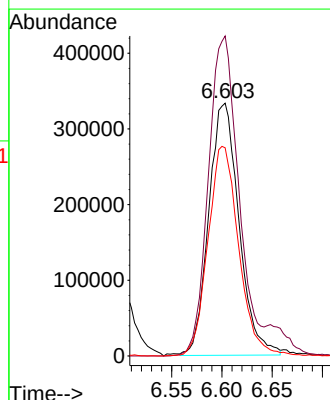
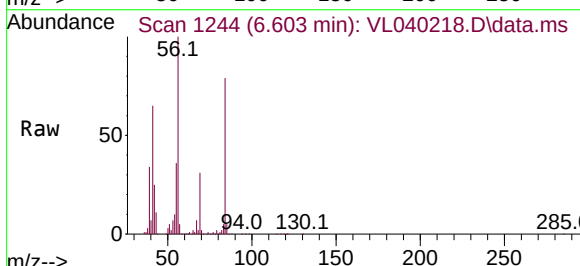
Tgt Ion: 84 Resp: 698241

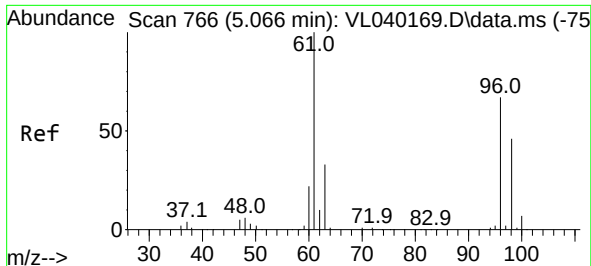
Ion Ratio Lower Upper

84 100

56 136.2 109.9 164.9

41 84.7 67.8 101.6

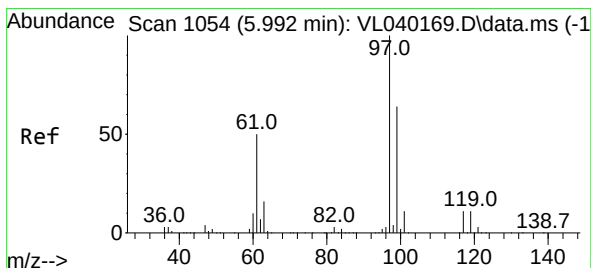
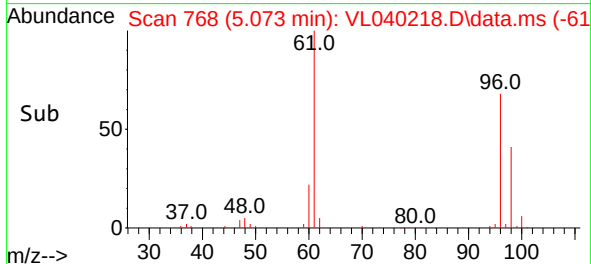
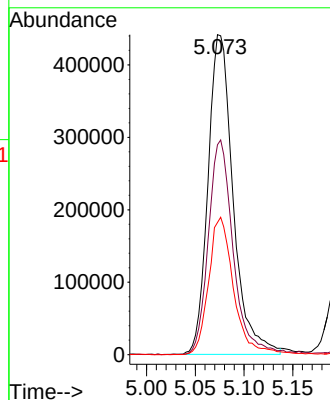
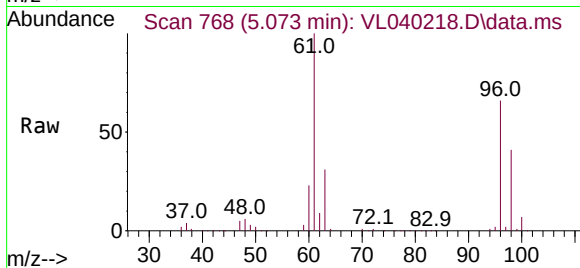




#31
 cis-1,2-Dichloroethene
 Concen: 9.961 ppbv
 RT: 5.073 min Scan# 766
 Delta R.T. -0.003 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

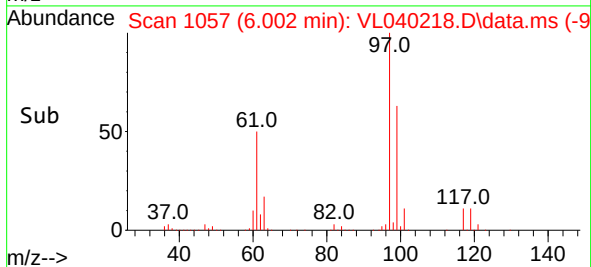
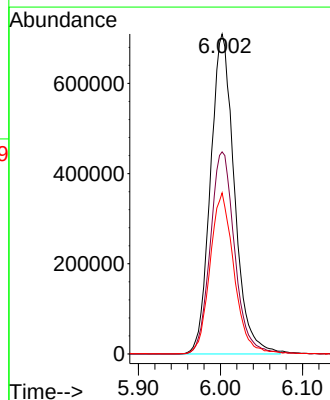
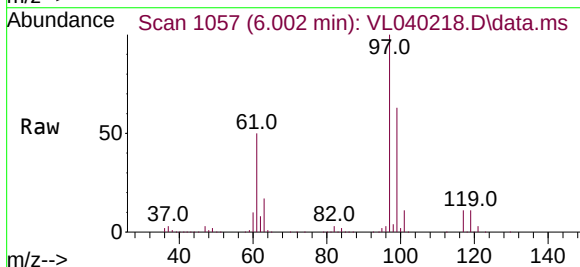
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0223ABS01

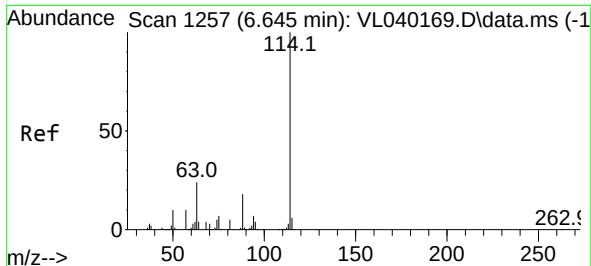
Tgt Ion: 61 Resp: 792484
 Ion Ratio Lower Upper
 61 100
 96 65.5 53.7 80.5
 98 41.3 36.4 54.6



#32
 1,1,1-Trichloroethane
 Concen: 10.637 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

Tgt Ion: 97 Resp: 1436781
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.5 77.3
 61 50.9 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

VL0223ABS01

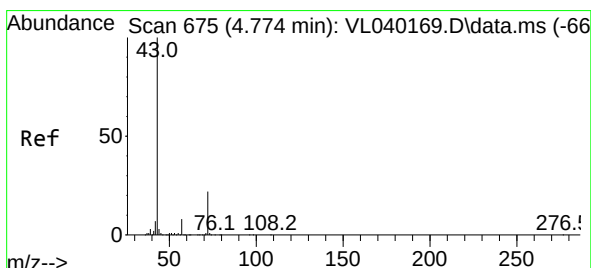
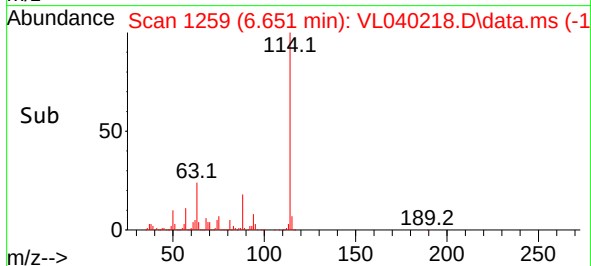
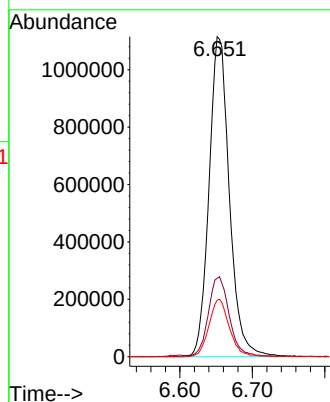
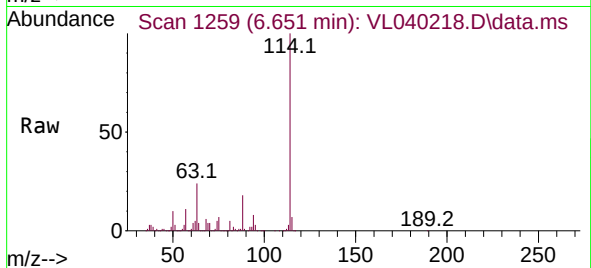
Tgt Ion:114 Resp: 2171526

Ion Ratio Lower Upper

114 100

63 26.2 20.4 30.6

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 10.267 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.000 min

Lab File: VL040218.D

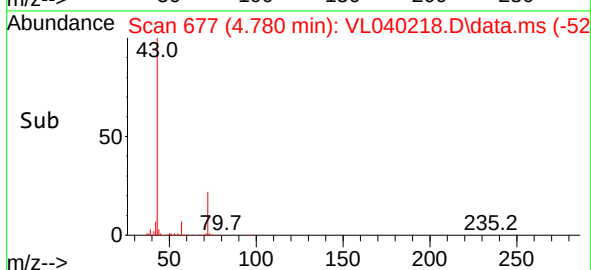
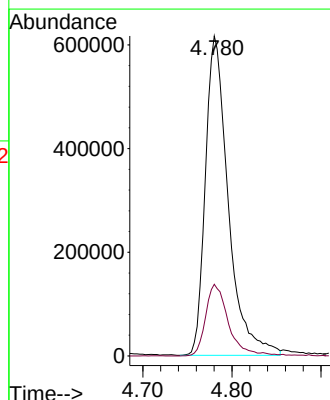
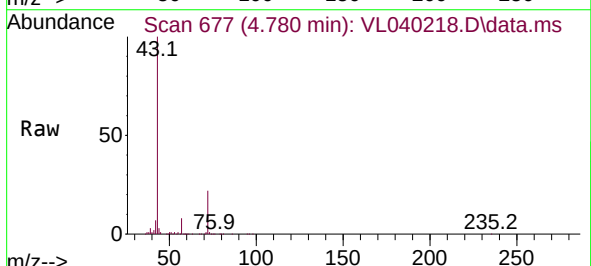
Acq: 23 Feb 2023 11:58

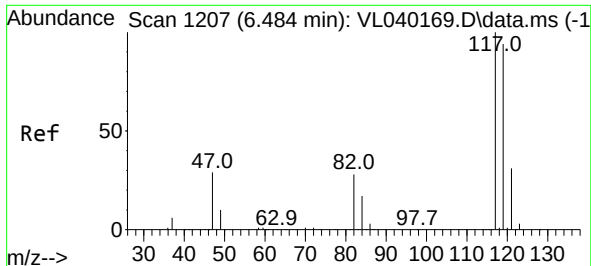
Tgt Ion: 43 Resp: 1099824

Ion Ratio Lower Upper

43 100

72 22.7 17.8 26.8

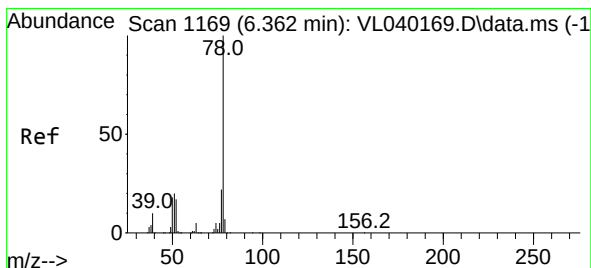
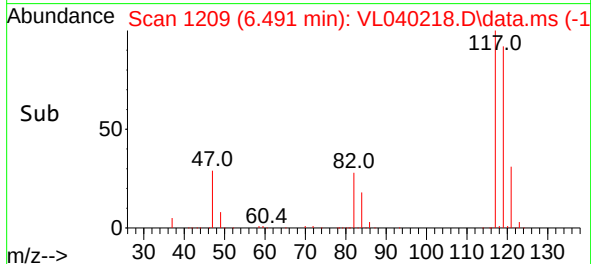
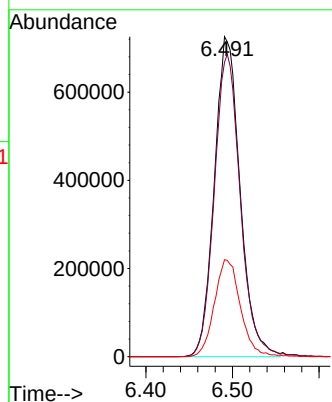
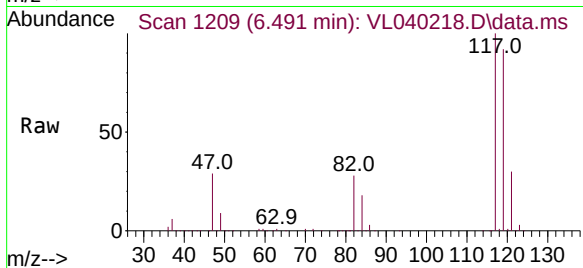




#35
Carbon Tetrachloride
Concen: 11.662 ppbv
RT: 6.491 min Scan# 1172
Delta R.T. -0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

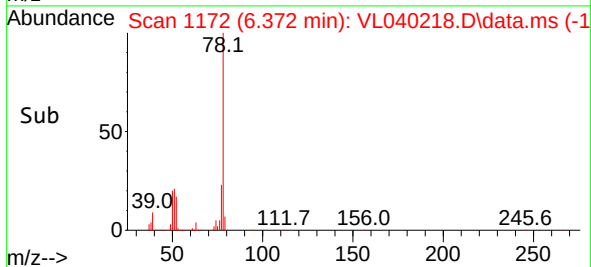
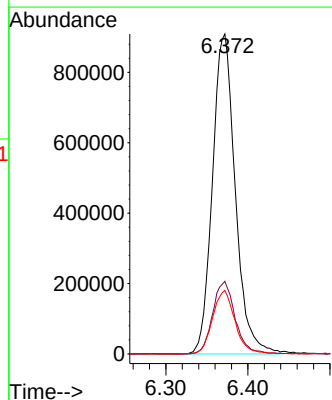
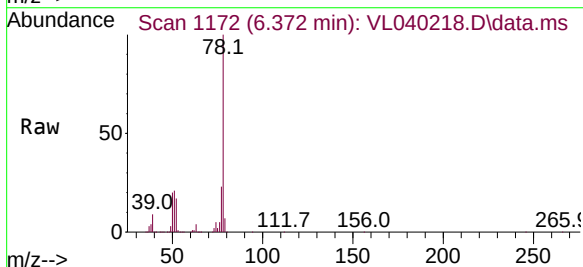
Instrument :
MSVOA_L
ClientSampleId :
VL0223ABS01

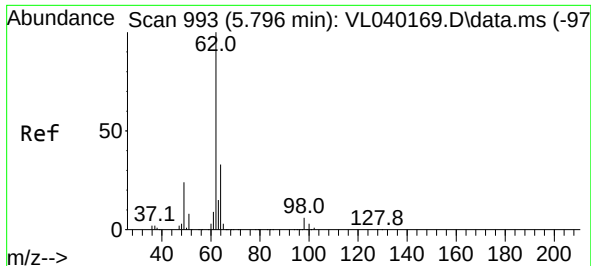
Tgt Ion:117 Resp: 1497063
Ion Ratio Lower Upper
117 100
119 92.0 75.0 112.6
121 30.3 25.0 37.4



#36
Benzene
Concen: 10.397 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion: 78 Resp: 1757090
Ion Ratio Lower Upper
78 100
77 22.7 17.5 26.3
50 19.8 14.6 22.0





#37

1,2-Dichloroethane

Concen: 10.583 ppbv

RT: 5.806 min Scan# 993

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

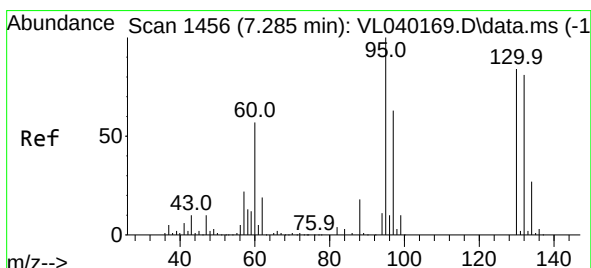
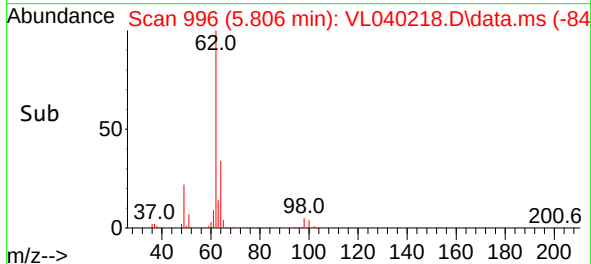
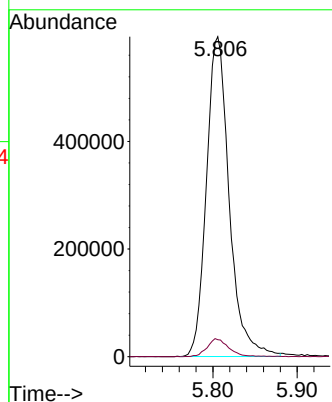
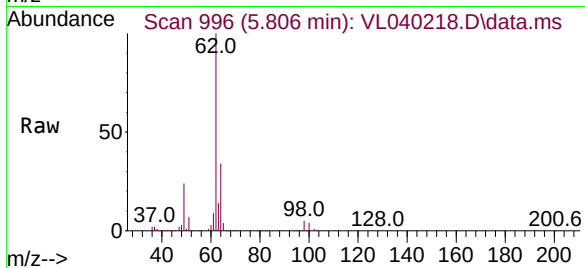
VL0223ABS01

Tgt Ion: 62 Resp: 1118543

Ion Ratio Lower Upper

62 100

98 5.5 4.7 7.1



#38

Trichloroethene

Concen: 11.194 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Tgt Ion:130 Resp: 1042350

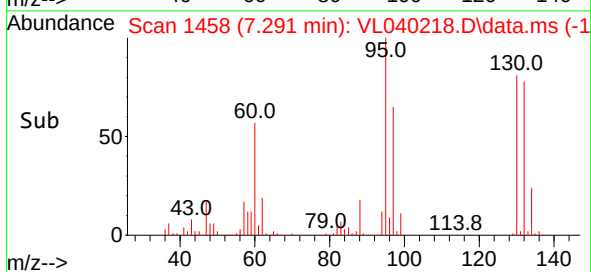
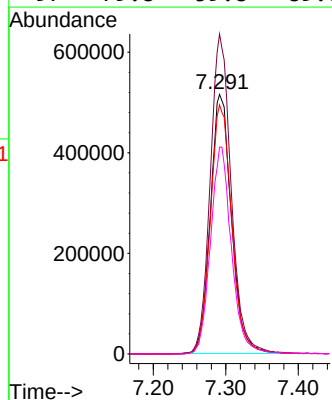
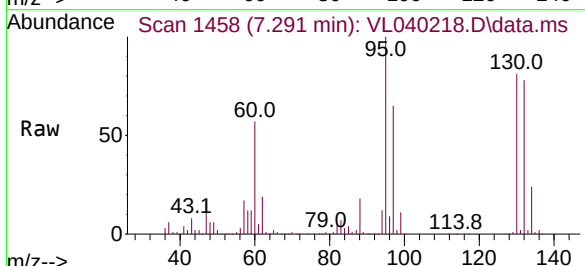
Ion Ratio Lower Upper

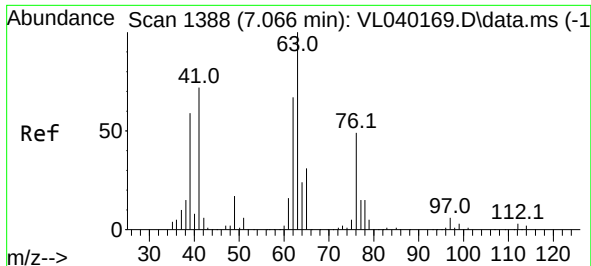
130 100

95 123.5 94.7 142.1

132 96.2 76.4 114.6

97 79.8 59.8 89.6





#39

1,2-Dichloropropane

Concen: 10.292 ppbv

RT: 7.073 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

VL0223ABS01

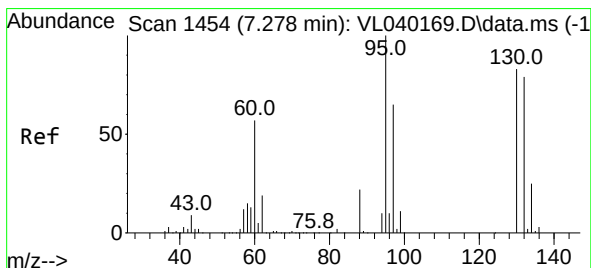
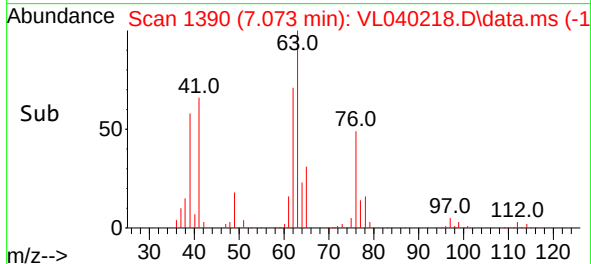
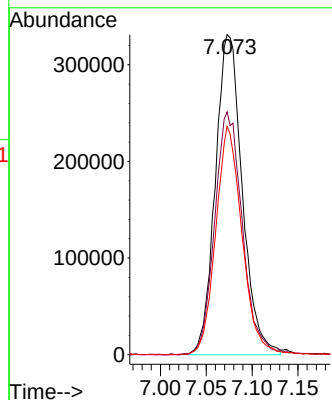
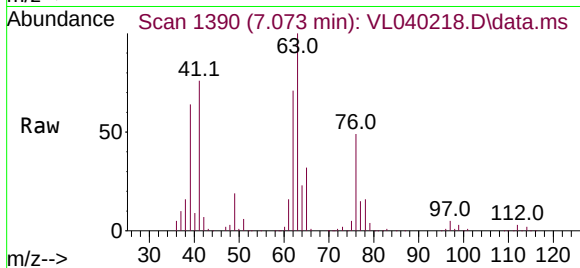
Tgt Ion: 63 Resp: 676623

Ion Ratio Lower Upper

63 100

41 75.9 57.6 86.4

62 71.2 54.0 81.0



#40

1,4-Dioxane

Concen: 9.321 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Tgt Ion: 88 Resp: 245108

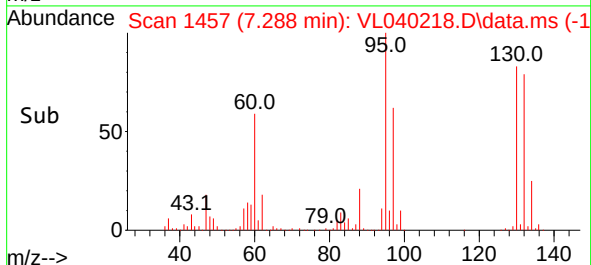
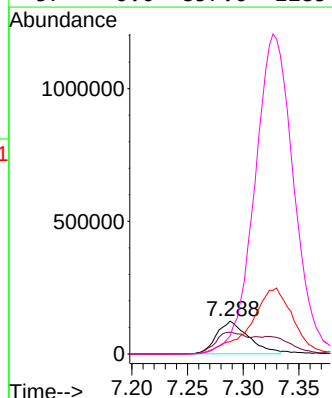
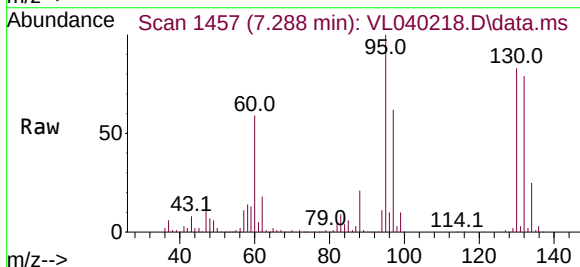
Ion Ratio Lower Upper

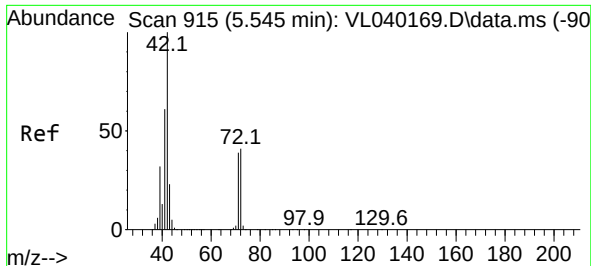
88 100

58 128.5 97.4 146.0

43 0.0 193.5 290.3#

57 0.0 857.0 1285.6#





#41

Tetrahydrofuran

Concen: 10.793 ppbv

RT: 5.552 min Scan# 915

Delta R.T. -0.003 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

VL0223ABS01

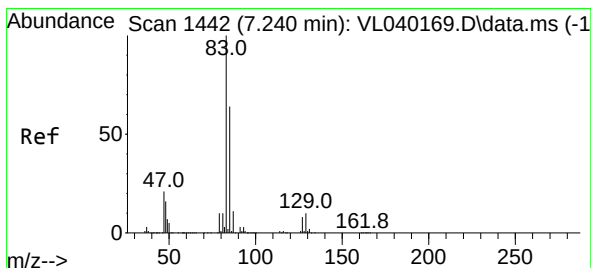
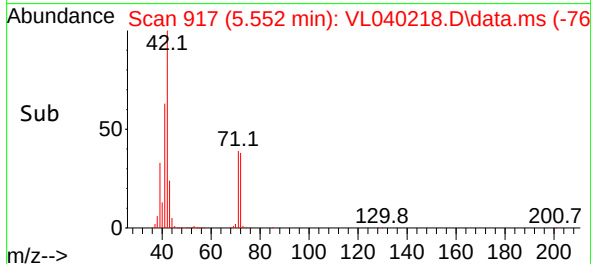
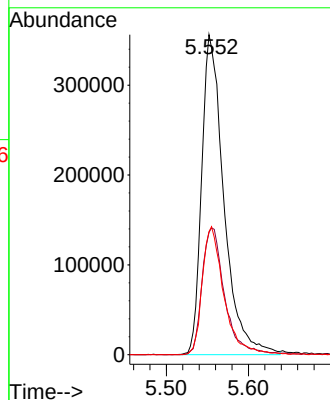
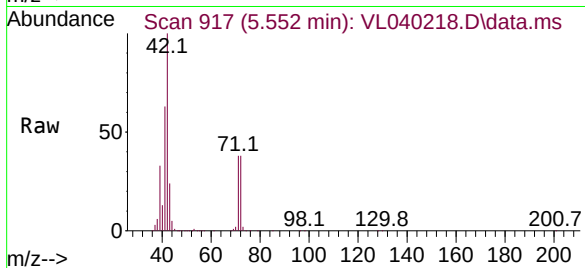
Tgt Ion: 42 Resp: 669982

Ion Ratio Lower Upper

42 100

72 40.4 33.0 49.4

71 39.2 31.4 47.2



#42

Bromodichloromethane

Concen: 10.891 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

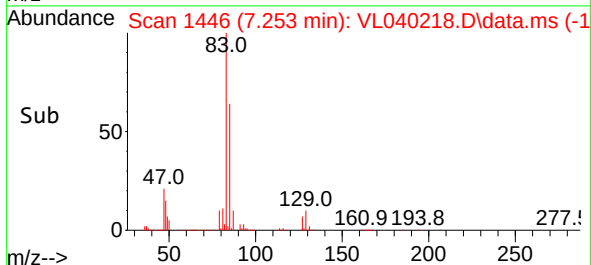
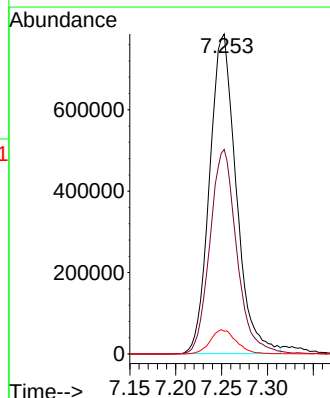
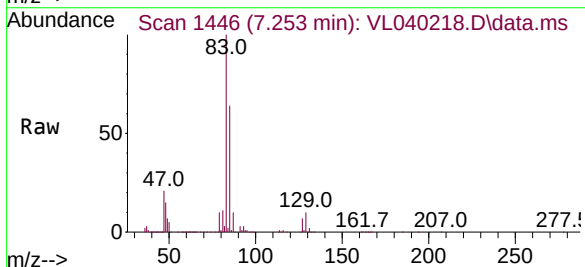
Tgt Ion: 83 Resp: 1588841

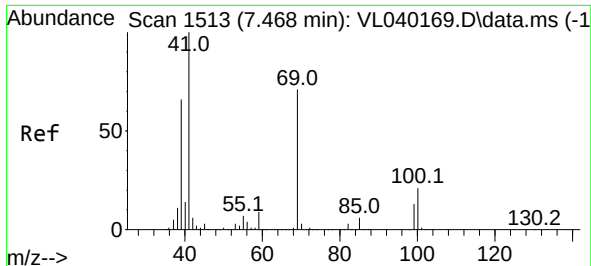
Ion Ratio Lower Upper

83 100

85 63.9 50.9 76.3

127 7.1 6.2 9.2

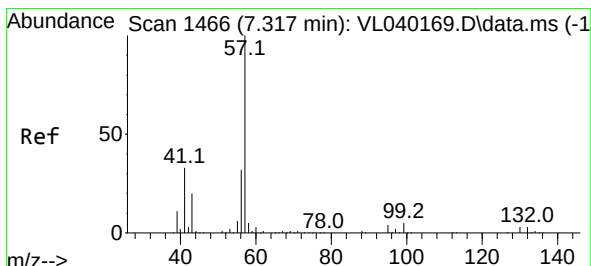
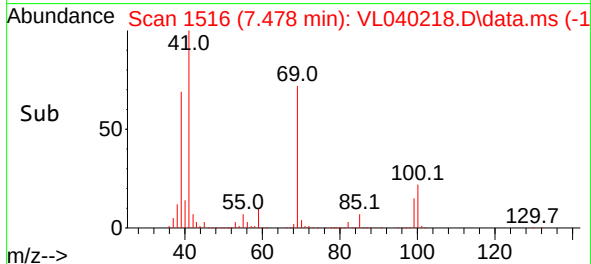
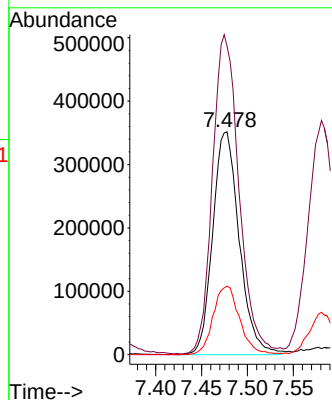
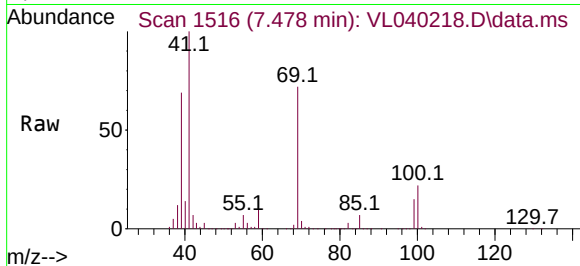




#43
Methyl Methacrylate
Concen: 11.308 ppbv
RT: 7.478 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

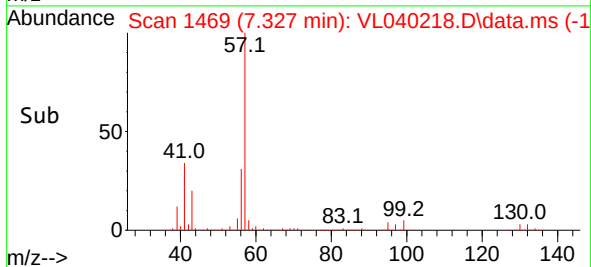
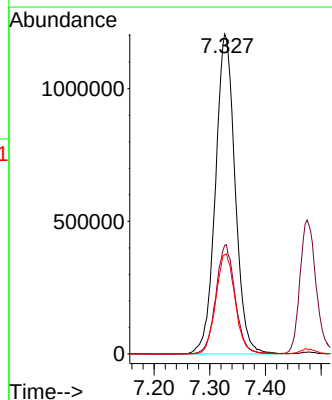
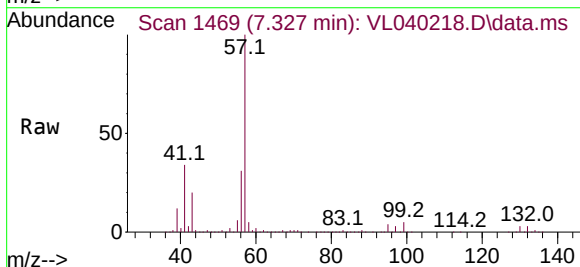
Instrument :
MSVOA_1
ClientSampleId :
VL0223ABS01

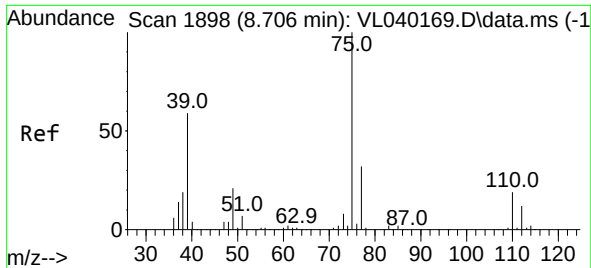
Tgt Ion: 69 Resp: 707110
Ion Ratio Lower Upper
69 100
41 144.4 116.6 174.8
100 30.7 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 10.461 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. -0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion: 57 Resp: 2951154
Ion Ratio Lower Upper
57 100
41 33.4 26.2 39.4
56 30.8 24.9 37.3

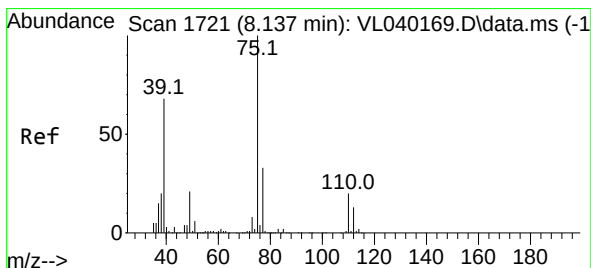
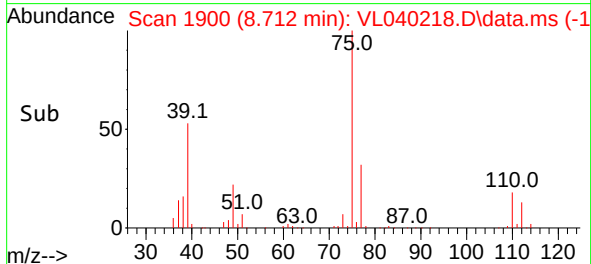
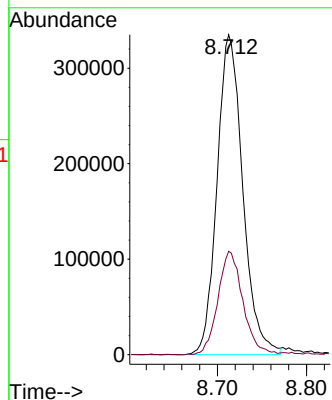
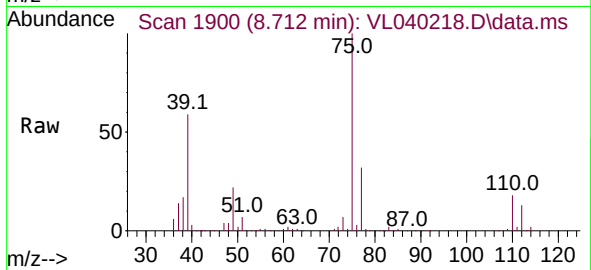




#45
 t-1,3-Dichloropropene
 Concen: 12.121 ppbv
 RT: 8.712 min Scan# 1898
 Delta R.T. -0.003 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

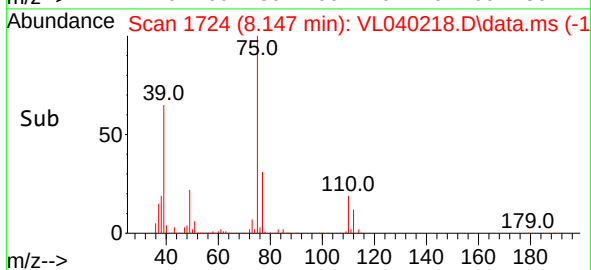
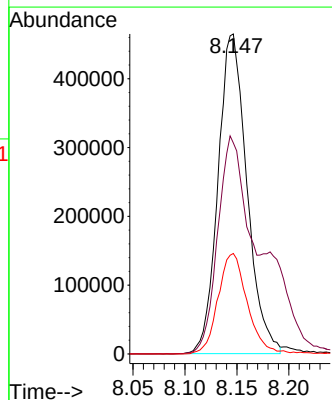
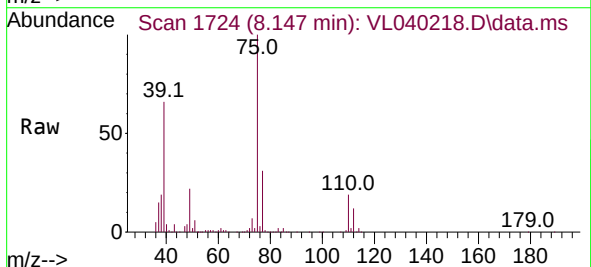
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0223ABS01

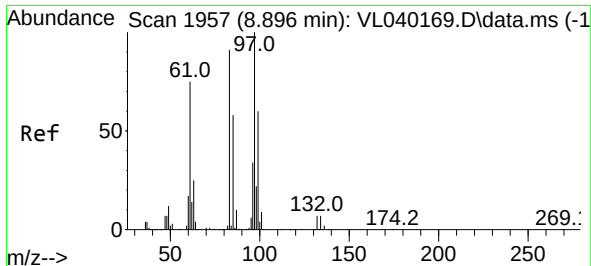
Tgt Ion: 75 Resp: 672315
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5



#46
 cis-1,3-Dichloropropene
 Concen: 11.621 ppbv
 RT: 8.147 min Scan# 1724
 Delta R.T. 0.000 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

Tgt Ion: 75 Resp: 898040
 Ion Ratio Lower Upper
 75 100
 39 65.9 54.2 81.2
 77 31.4 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 10.371 ppbv

RT: 8.902 min Scan# 1959

Delta R.T. -0.003 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

VL0223ABS01

Tgt Ion: 97 Resp: 737396

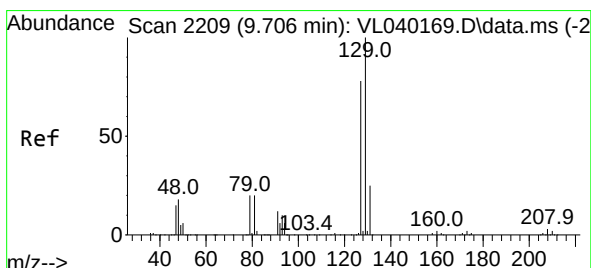
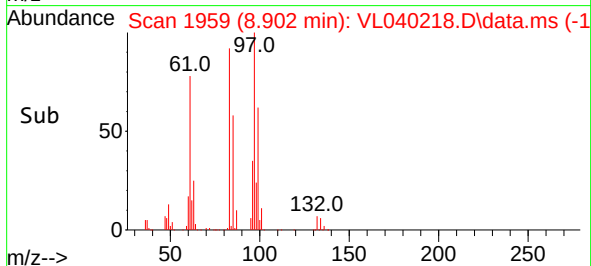
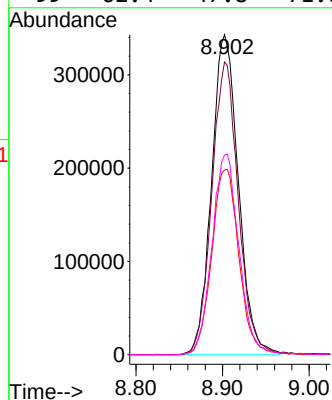
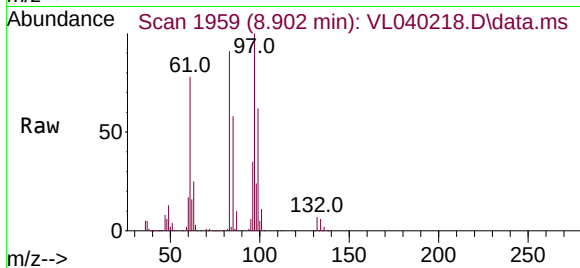
Ion Ratio Lower Upper

97 100

83 91.4 72.8 109.2

85 57.6 46.6 69.8

99 62.4 47.8 71.6



#48

Dibromochloromethane

Concen: 11.187 ppbv

RT: 9.716 min Scan# 2212

Delta R.T. 0.000 min

Lab File: VL040218.D

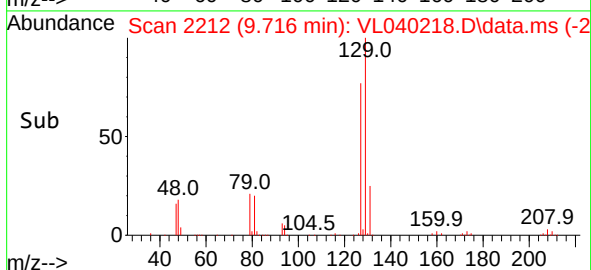
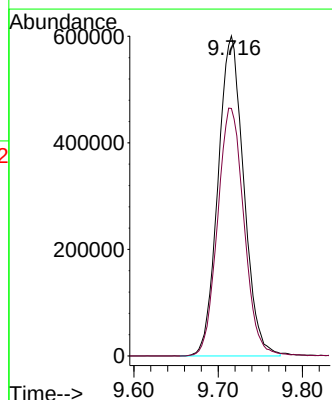
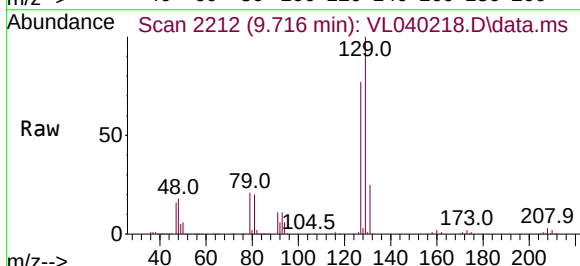
Acq: 23 Feb 2023 11:58

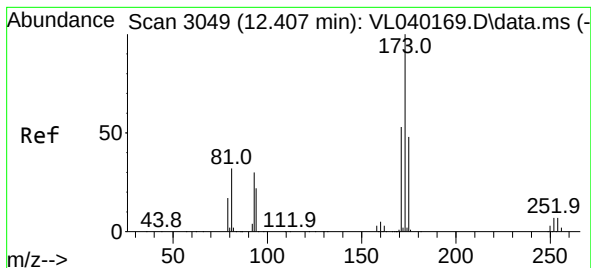
Tgt Ion: 129 Resp: 1272329

Ion Ratio Lower Upper

129 100

127 79.9 39.1 117.2





#49

Bromoform

Concen: 11.420 ppbv

RT: 12.413 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_1

ClientSampleId :

VL0223ABS01

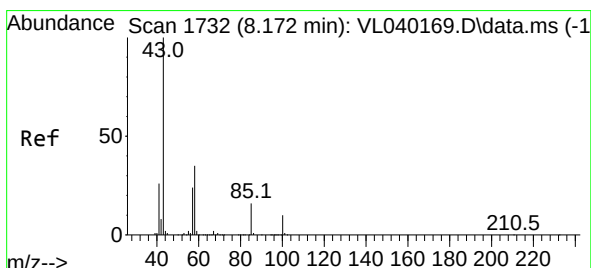
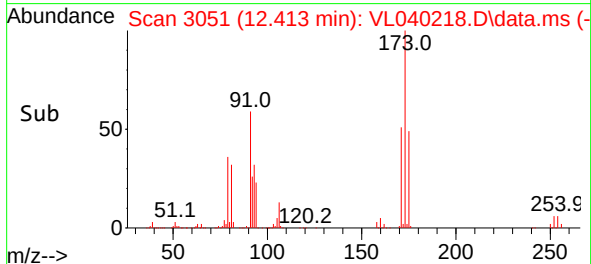
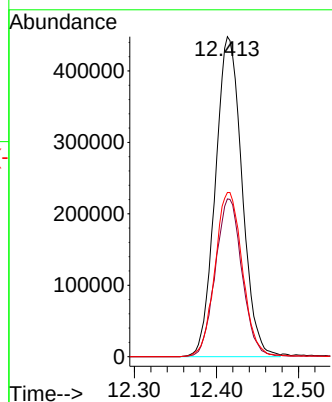
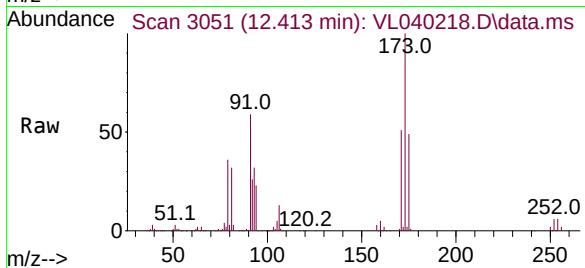
Tgt Ion:173 Resp: 1013748

Ion Ratio Lower Upper

173 100

175 49.6 39.4 59.0

171 53.0 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 11.091 ppbv

RT: 8.182 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VL040218.D

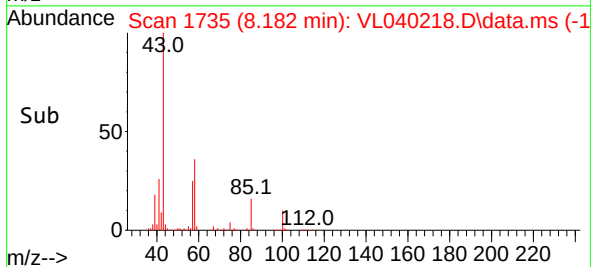
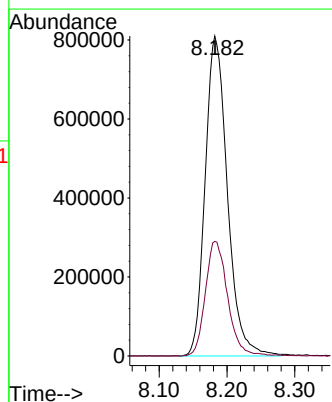
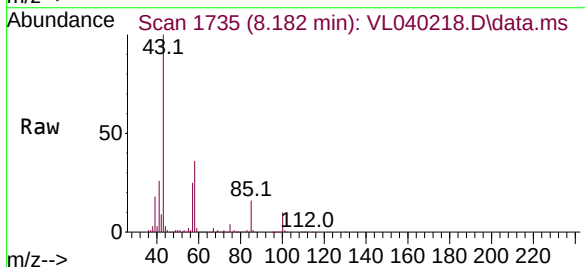
Acq: 23 Feb 2023 11:58

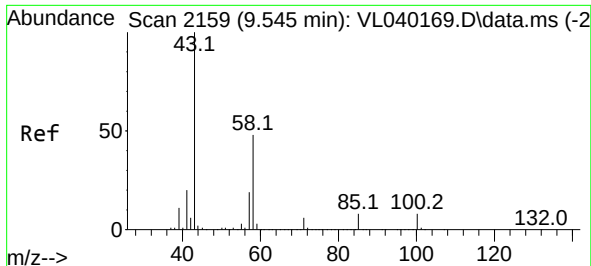
Tgt Ion: 43 Resp: 1844636

Ion Ratio Lower Upper

43 100

58 36.0 29.2 43.8

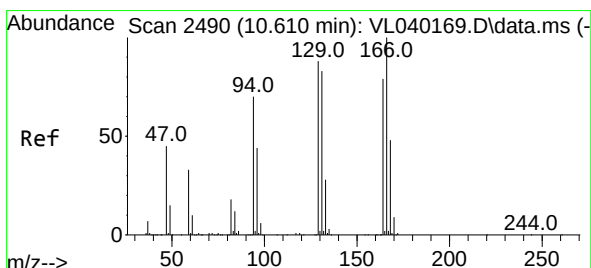
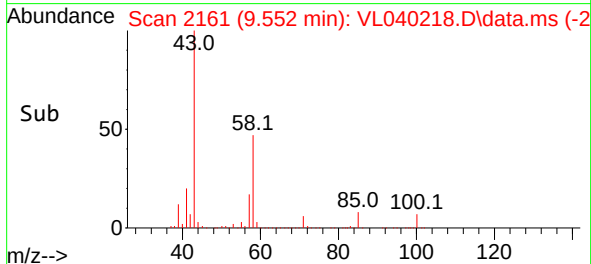
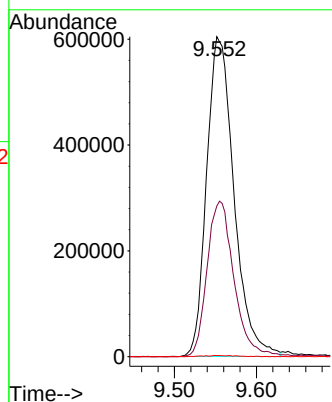
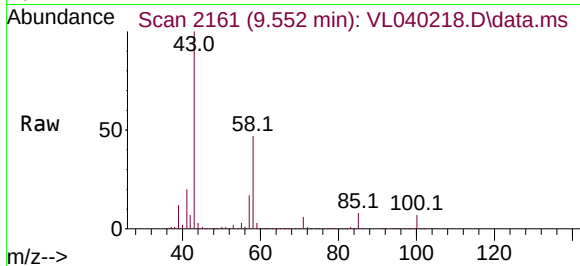




#51
2-Hexanone
Concen: 10.952 ppbv
RT: 9.552 min Scan# 2159
Delta R.T. -0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

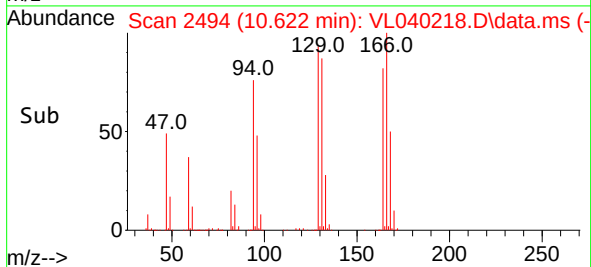
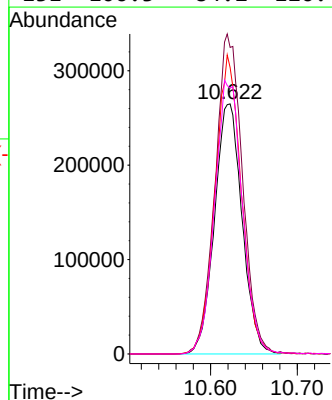
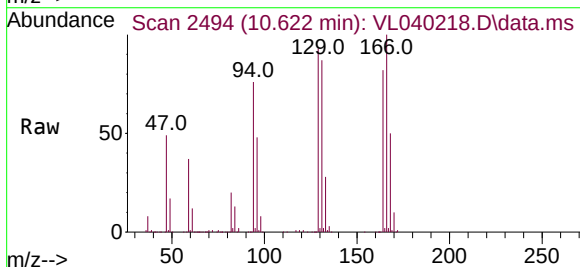
Instrument :
MSVOA_L
ClientSampleId :
VL0223ABS01

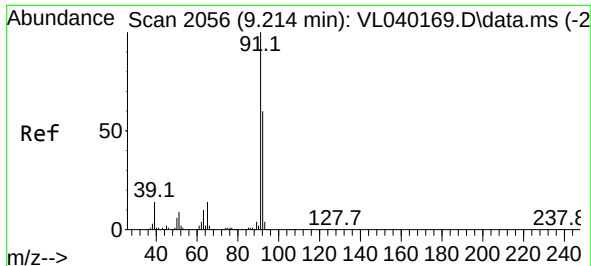
Tgt Ion: 43 Resp: 1400951
Ion Ratio Lower Upper
43 100
58 48.4 39.1 58.7
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 11.077 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. 0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion:164 Resp: 584552
Ion Ratio Lower Upper
164 100
166 122.5 101.5 152.3
129 114.4 89.0 133.4
131 106.3 84.2 126.4

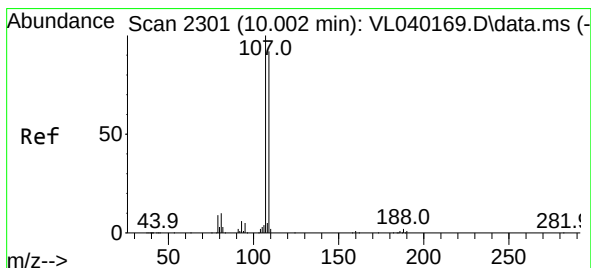
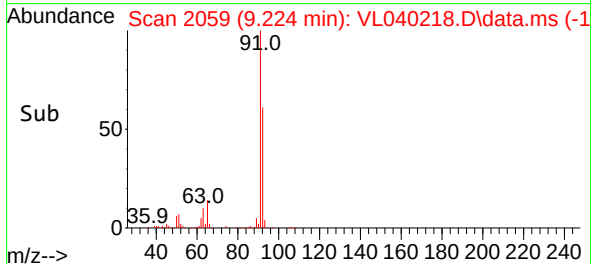
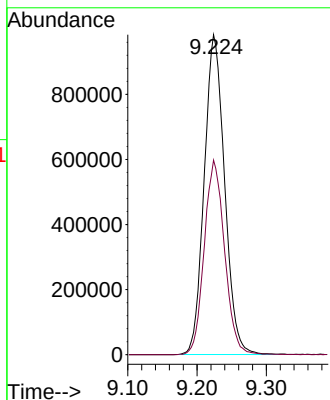
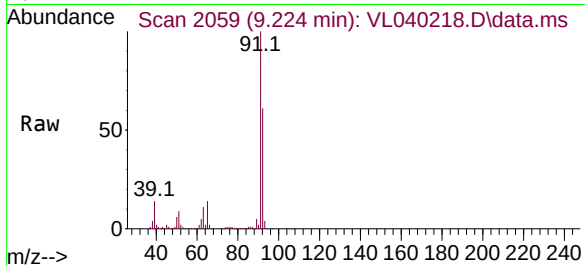




#53
Toluene
Concen: 11.097 ppbv
RT: 9.224 min Scan# 2056
Delta R.T. -0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

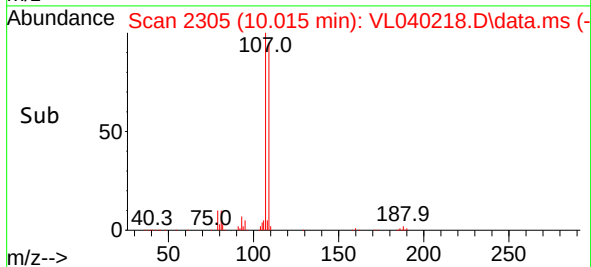
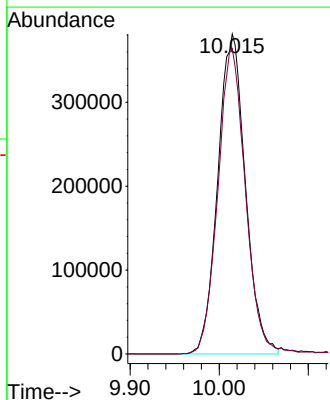
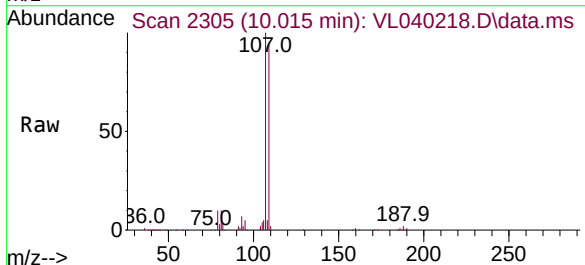
Instrument :
MSVOA_L
ClientSampleId :
VL0223ABS01

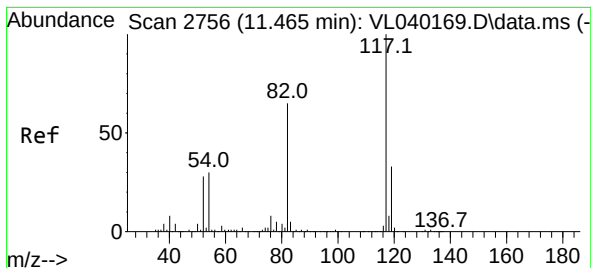
Tgt Ion: 91 Resp: 2008542
Ion Ratio Lower Upper
91 100
92 60.7 48.9 73.3



#54
1,2-Dibromoethane
Concen: 11.066 ppbv
RT: 10.015 min Scan# 2305
Delta R.T. 0.000 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion: 107 Resp: 818703
Ion Ratio Lower Upper
107 100
109 95.4 73.8 110.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_1

ClientSampleId :

VL0223ABS01

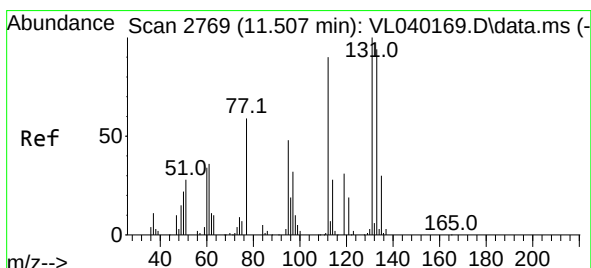
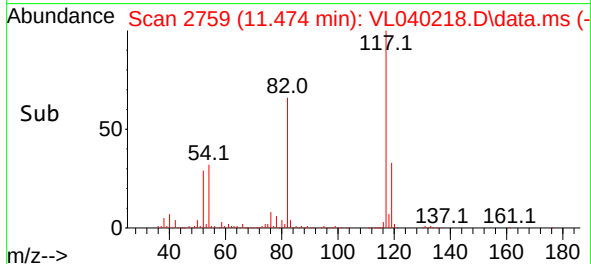
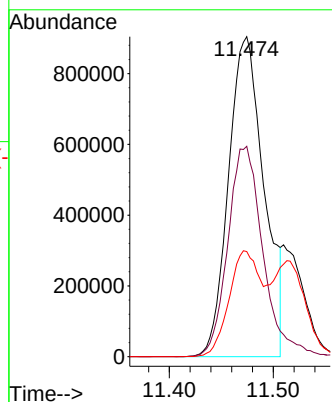
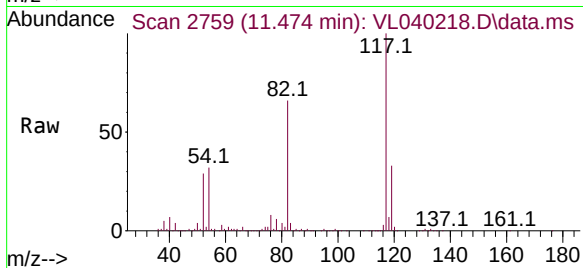
Tgt Ion:117 Resp: 2150544

Ion Ratio Lower Upper

117 100

82 65.3 53.3 79.9

119 28.3 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 10.220 ppbv

RT: 11.516 min Scan# 2772

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

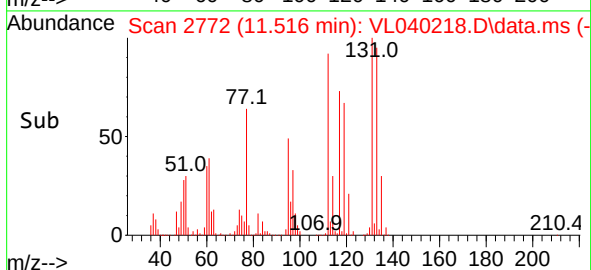
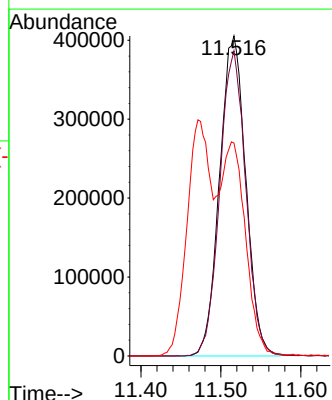
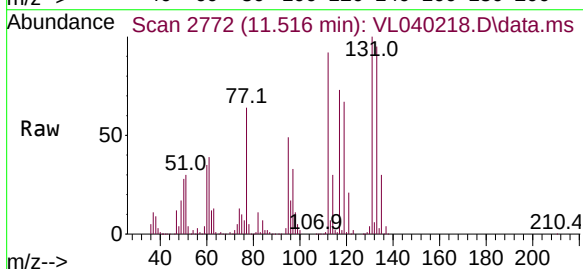
Tgt Ion:131 Resp: 922614

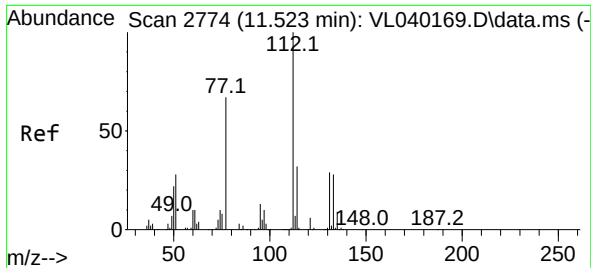
Ion Ratio Lower Upper

131 100

133 94.8 76.2 114.2

119 59.6 45.4 68.0

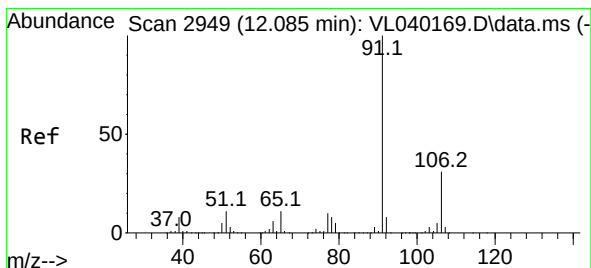
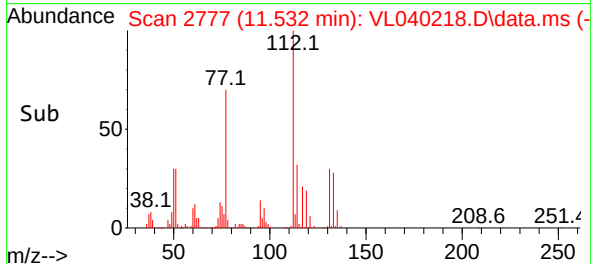
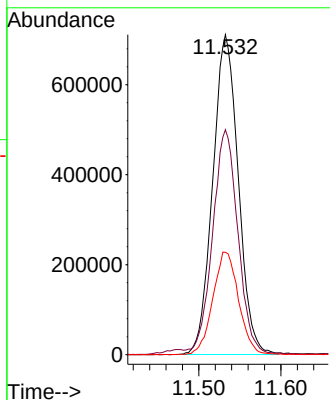
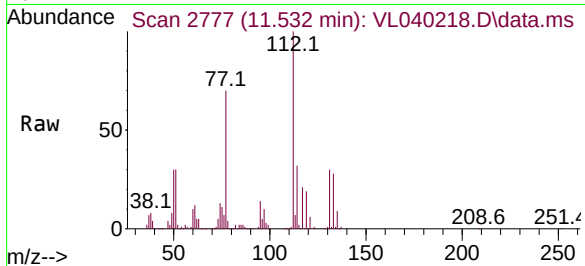




#57
Chlorobenzene
Concen: 9.808 ppbv
RT: 11.532 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

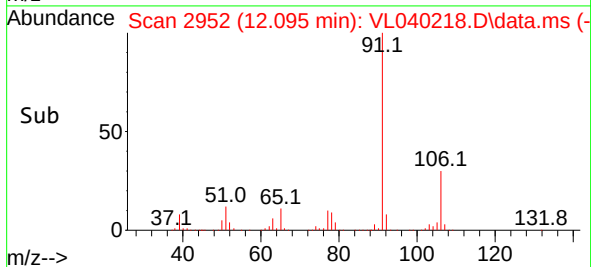
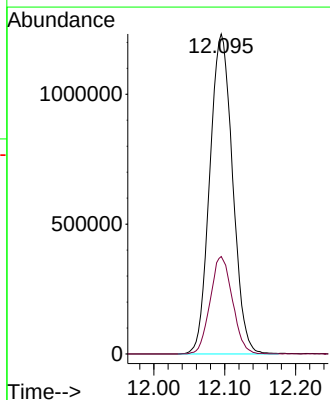
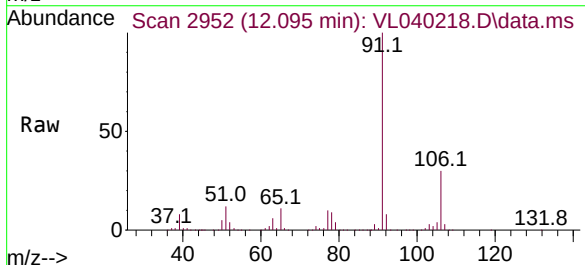
Instrument :
MSVOA_L
ClientSampleId :
VL0223ABS01

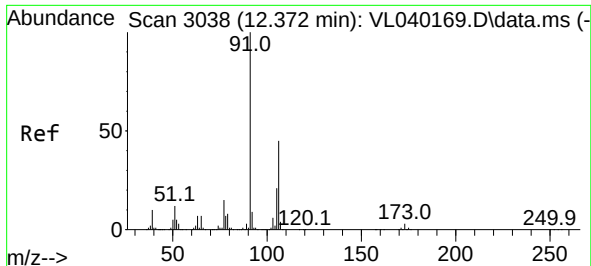
Tgt Ion:112 Resp: 1541045
Ion Ratio Lower Upper
112 100
77 69.8 55.0 82.4
114 31.9 29.0 35.4



#58
Ethyl Benzene
Concen: 10.551 ppbv
RT: 12.095 min Scan# 2952
Delta R.T. 0.000 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion: 91 Resp: 2756972
Ion Ratio Lower Upper
91 100
106 30.4 24.9 37.3





#59

m/p-Xylene

Concen: 10.971 ppbv

RT: 12.378 min Scan# 3038

Delta R.T. -0.003 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_1

ClientSampleId :

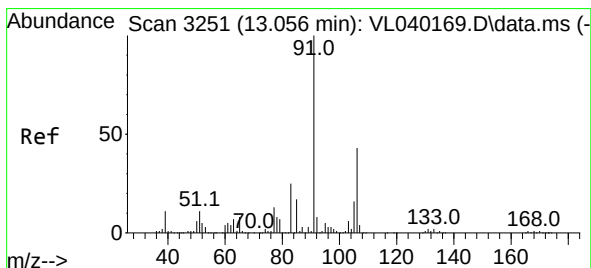
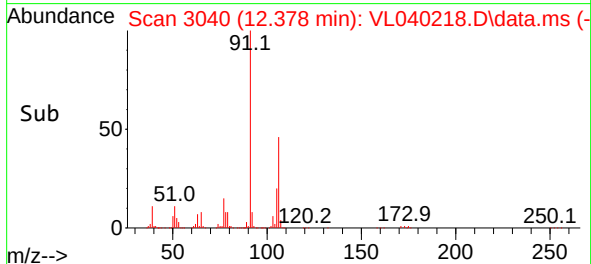
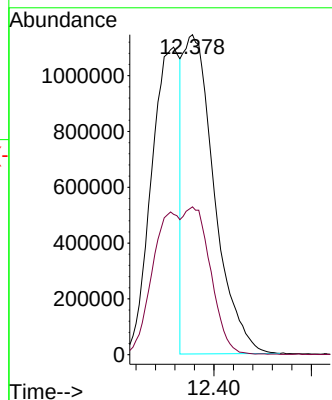
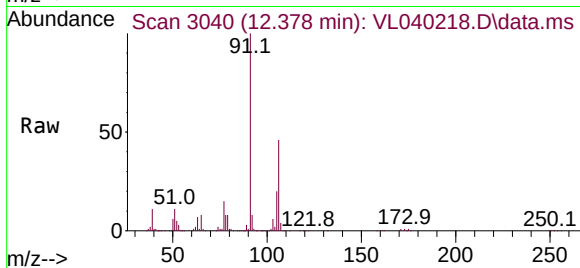
VL0223ABS01

Tgt Ion: 91 Resp: 2538904

Ion Ratio Lower Upper

91 100

106 81.0 34.6 51.8#



#60

o-Xylene

Concen: 10.363 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. 0.000 min

Lab File: VL040218.D

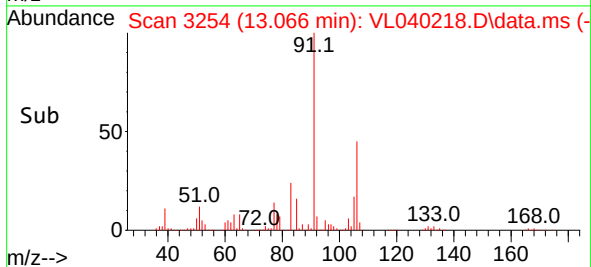
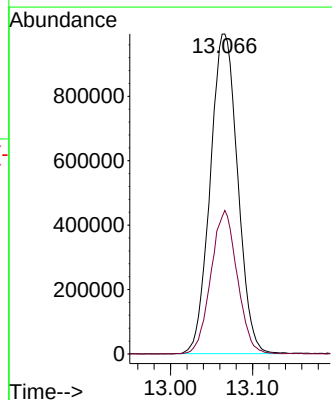
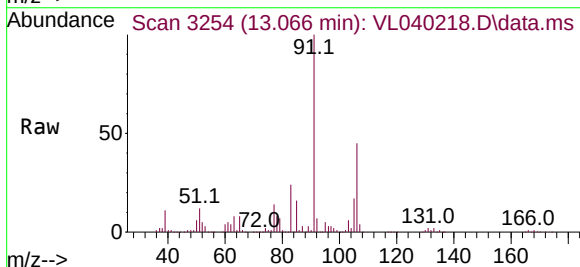
Acq: 23 Feb 2023 11:58

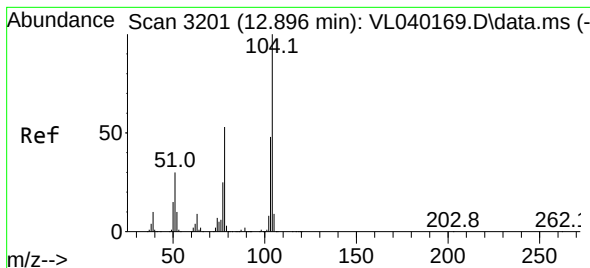
Tgt Ion: 91 Resp: 2307747

Ion Ratio Lower Upper

91 100

106 43.3 21.6 65.0





#61

Styrene

Concen: 11.102 ppbv

RT: 12.905 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

VL0223ABS01

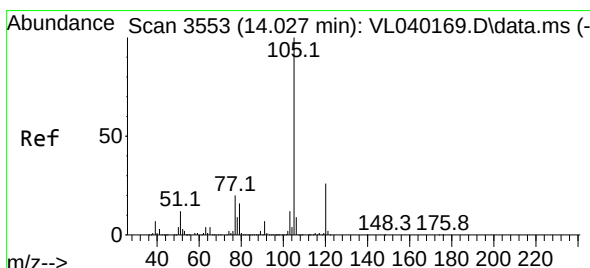
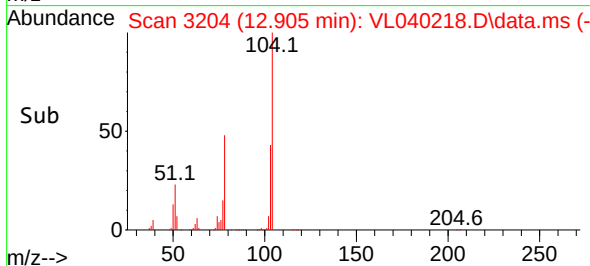
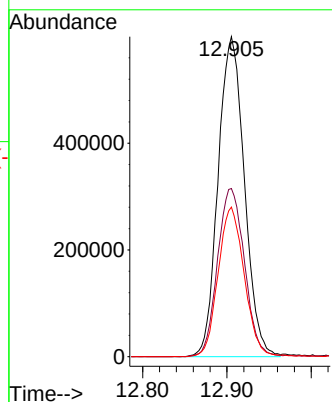
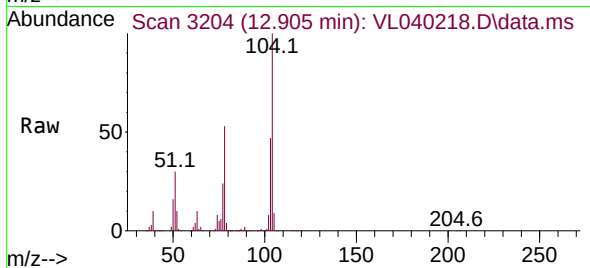
Tgt Ion:104 Resp: 1297943

Ion Ratio Lower Upper

104 100

78 54.2 42.3 63.5

103 46.7 37.5 56.3



#62

Isopropylbenzene

Concen: 10.150 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. 0.000 min

Lab File: VL040218.D

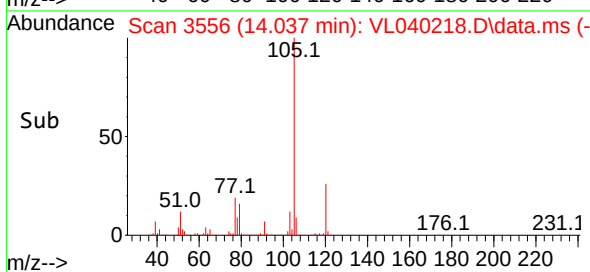
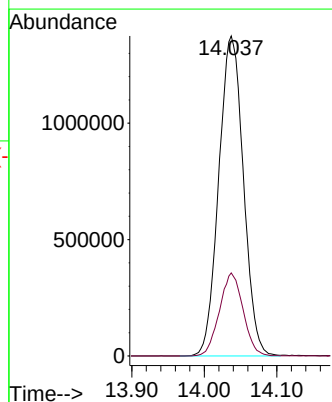
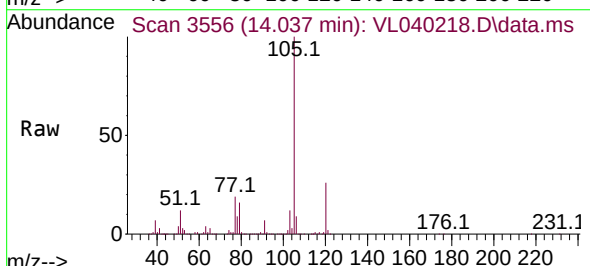
Acq: 23 Feb 2023 11:58

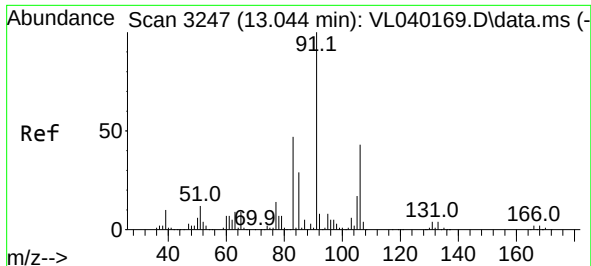
Tgt Ion:105 Resp: 3244245

Ion Ratio Lower Upper

105 100

120 24.9 20.3 30.5

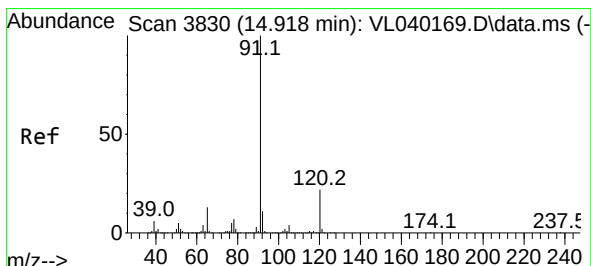
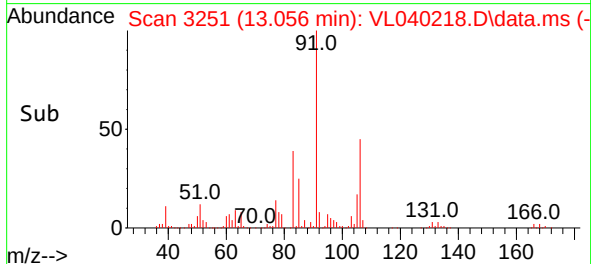
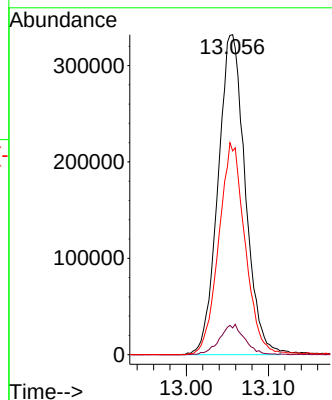
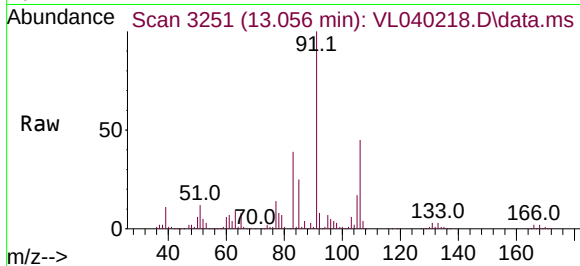




#63
1,1,2,2-Tetrachloroethane
Concen: 9.518 ppbv
RT: 13.056 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

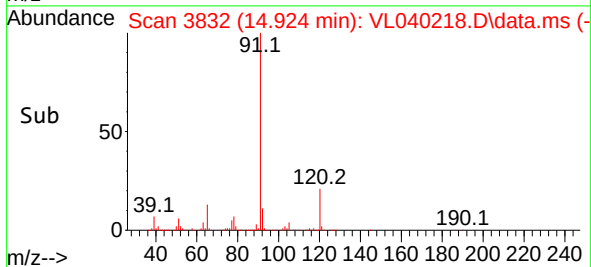
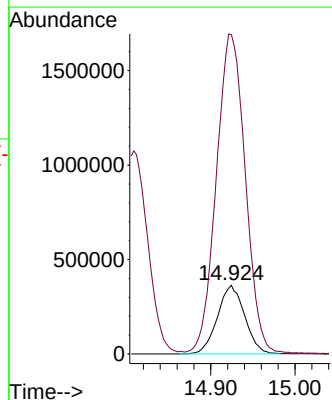
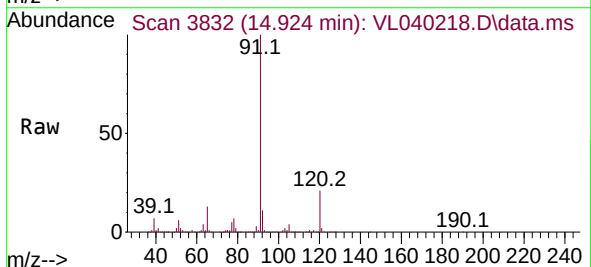
Instrument :
MSVOA_L
ClientSampleId :
VL0223ABS01

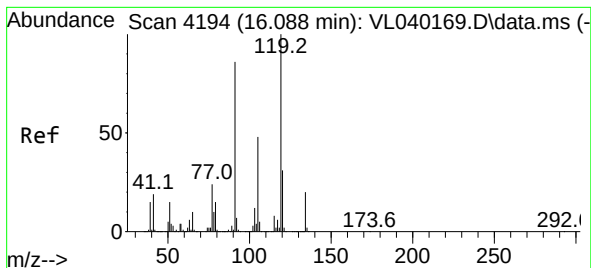
Tgt Ion: 83 Resp: 763827
Ion Ratio Lower Upper
83 100
131 8.8 4.4 13.2
85 64.9 33.0 99.0



#64
n-propylbenzene
Concen: 10.301 ppbv
RT: 14.924 min Scan# 3832
Delta R.T. -0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion:120 Resp: 814933
Ion Ratio Lower Upper
120 100
91 499.6 389.8 584.8

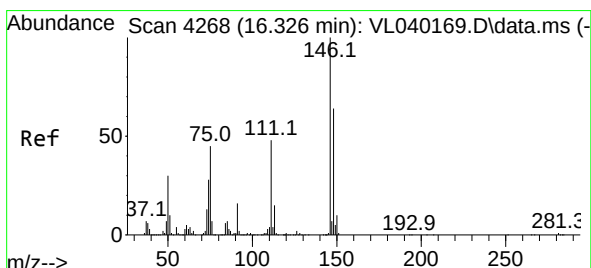
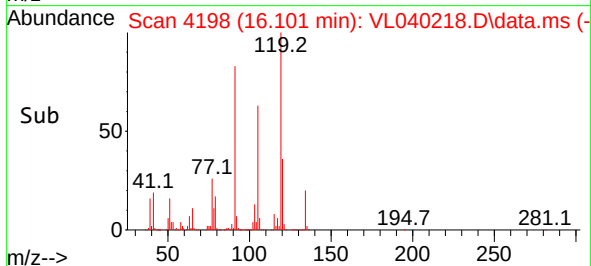
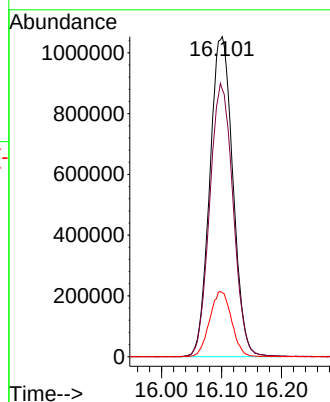
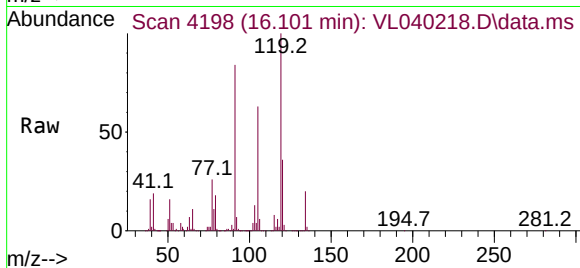




#65
tert-Butylbenzene
Concen: 10.141 ppbv
RT: 16.101 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

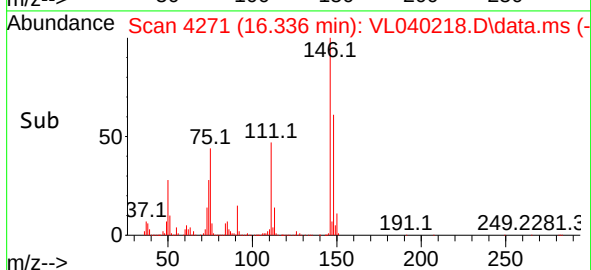
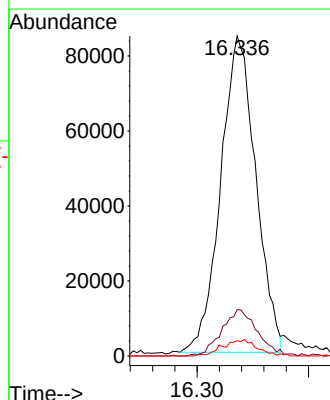
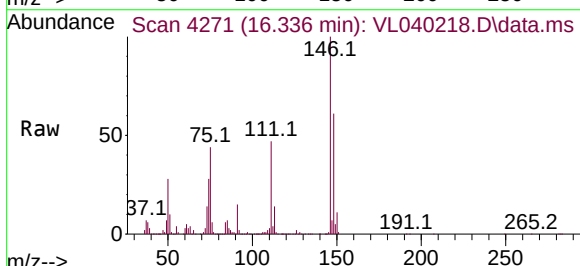
Instrument :
MSVOA_L
ClientSampleId :
VL0223ABS01

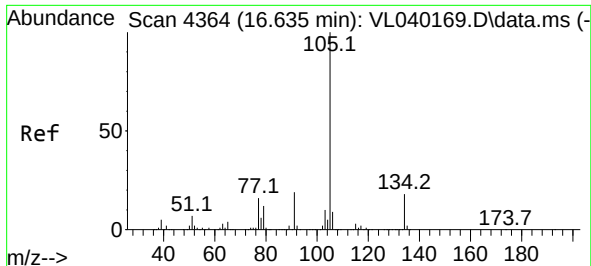
Tgt Ion:119 Resp: 2817752
Ion Ratio Lower Upper
119 100
91 86.3 68.6 102.8
134 19.4 15.9 23.9



#66
Benzyl Chloride
Concen: 9.989 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. -0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion: 91 Resp: 184692
Ion Ratio Lower Upper
91 100
126 15.1 13.1 19.7
128 5.1 4.1 6.1





#67

sec-Butylbenzene

Concen: 10.051 ppbv

RT: 16.641 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_1

ClientSampleId :

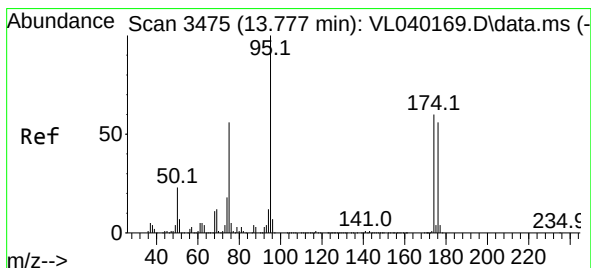
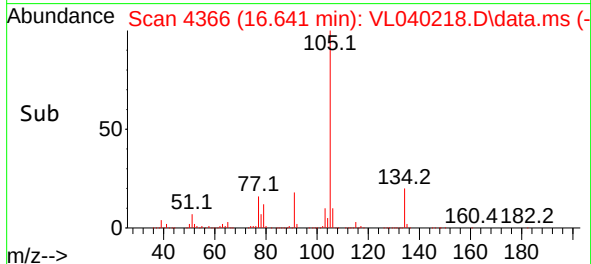
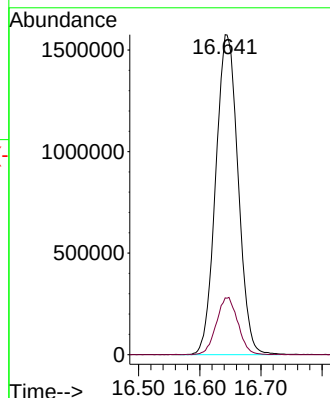
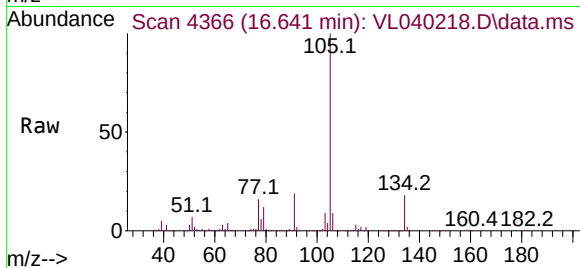
VL0223ABS01

Tgt Ion:105 Resp: 4004853

Ion Ratio Lower Upper

105 100

134 17.3 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.071 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.003 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

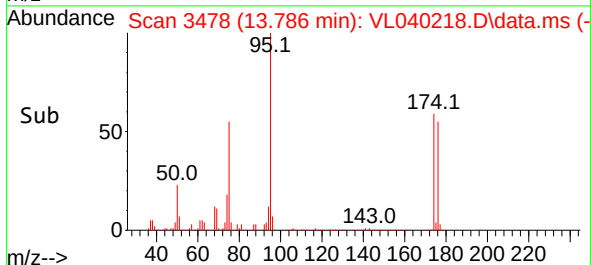
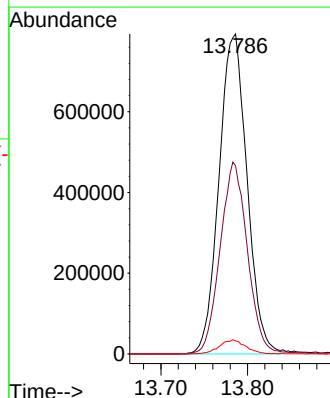
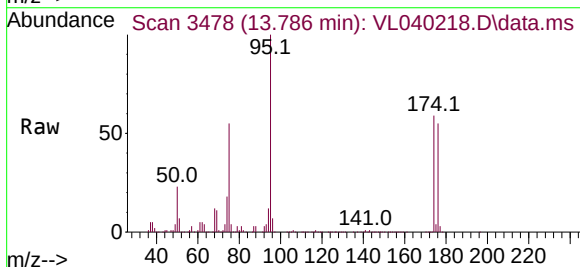
Tgt Ion: 95 Resp: 1780915

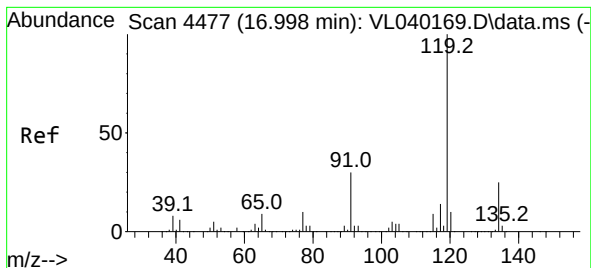
Ion Ratio Lower Upper

95 100

174 58.4 48.2 72.2

175 4.2 3.4 5.2





#69

p-Isopropyltoluene

Concen: 10.046 ppbv

RT: 17.005 min Scan# 4479

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

VL0223ABS01

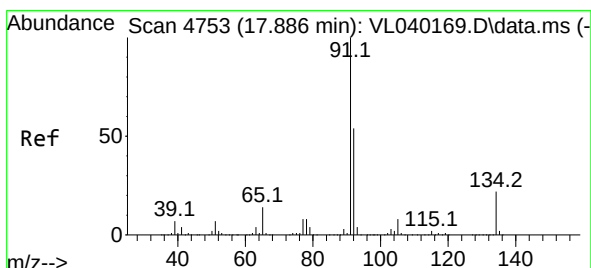
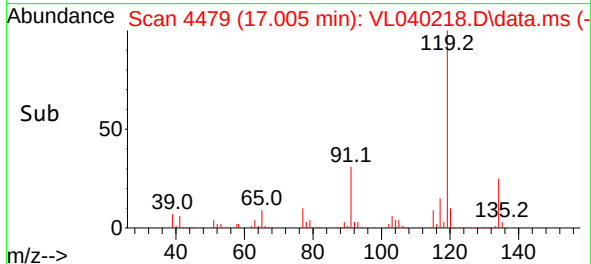
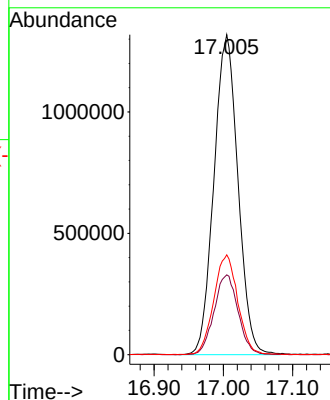
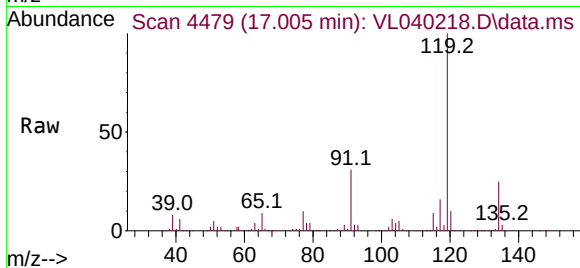
Tgt Ion:119 Resp: 3173563

Ion Ratio Lower Upper

119 100

134 24.9 20.2 30.2

91 31.2 24.7 37.1



#70

n-Butylbenzene

Concen: 10.015 ppbv

RT: 17.892 min Scan# 4755

Delta R.T. -0.003 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

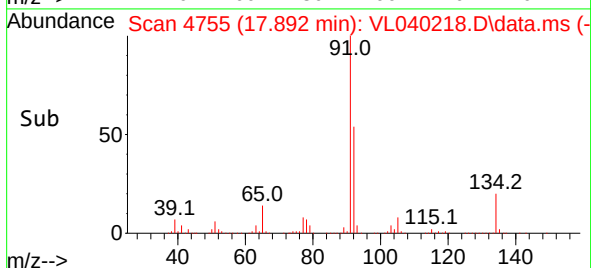
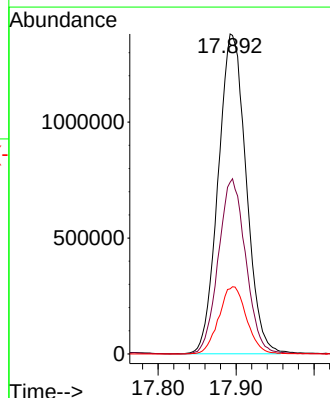
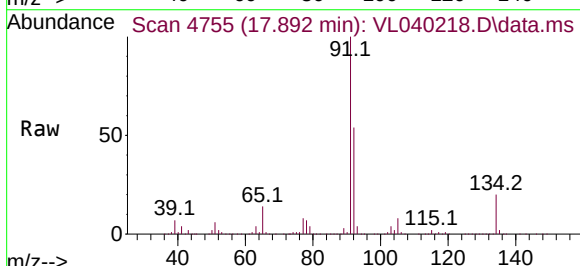
Tgt Ion: 91 Resp: 3433946

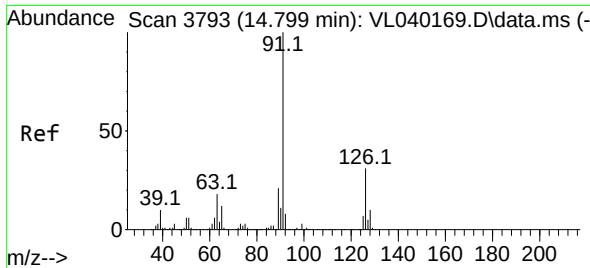
Ion Ratio Lower Upper

91 100

92 53.6 43.0 64.6

134 20.9 16.9 25.3

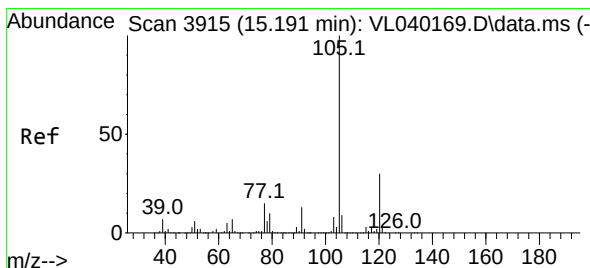
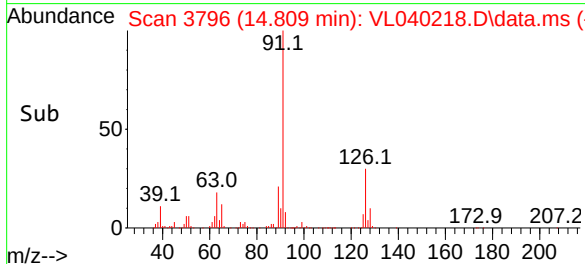
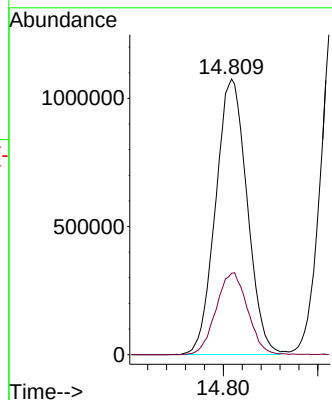
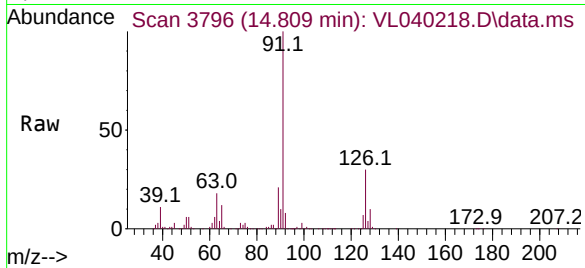




#71
2-Chlorotoluene
Concen: 10.155 ppbv
RT: 14.809 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

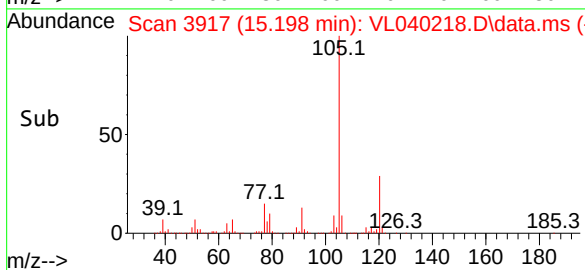
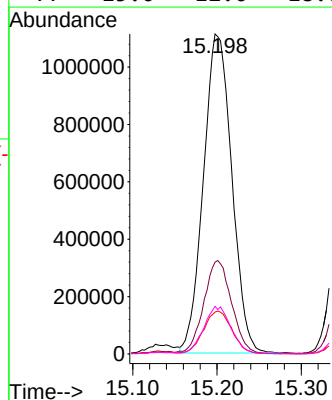
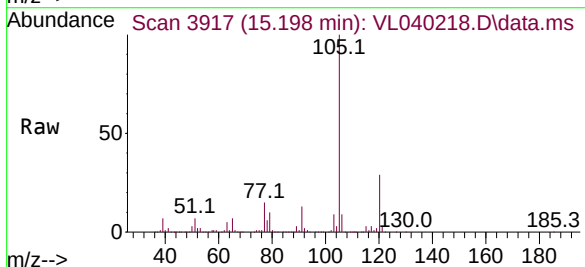
Instrument :
MSVOA_L
ClientSampleId :
VL0223ABS01

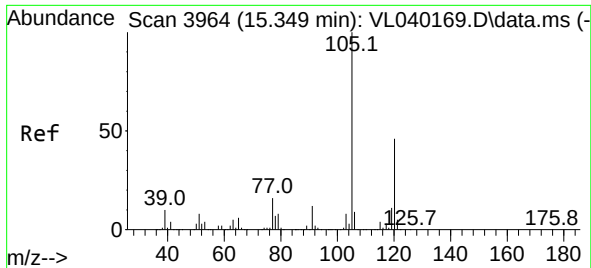
Tgt Ion: 91 Resp: 2482565
Ion Ratio Lower Upper
91 100
126 29.8 12.0 48.2



#72
4-Ethyltoluene
Concen: 10.588 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. -0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion:105 Resp: 2606326
Ion Ratio Lower Upper
105 100
120 29.6 23.2 34.8
91 14.2 11.3 16.9
77 15.0 12.0 18.0

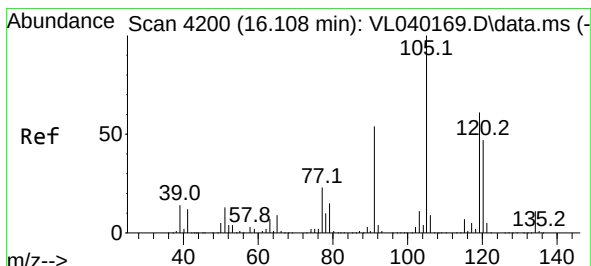
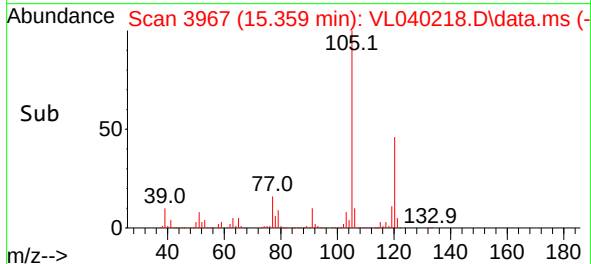
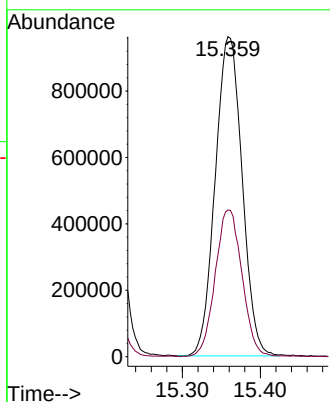
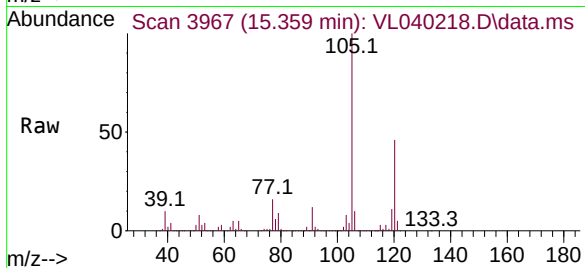




#73
 1,3,5-Trimethylbenzene
 Concen: 10.072 ppbv
 RT: 15.359 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

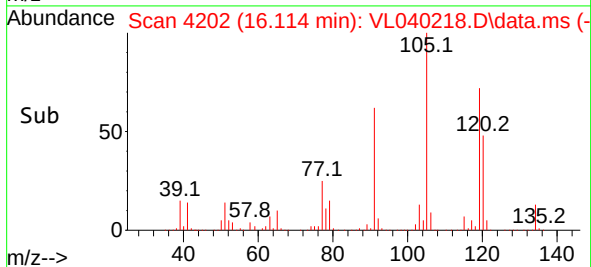
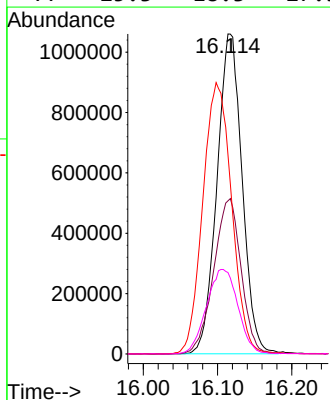
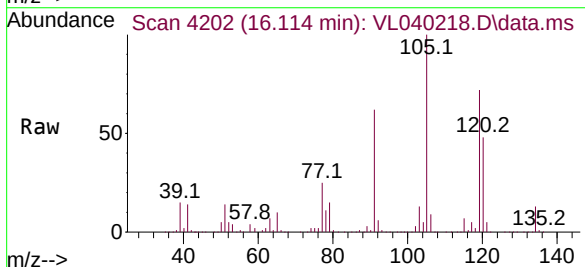
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0223ABS01

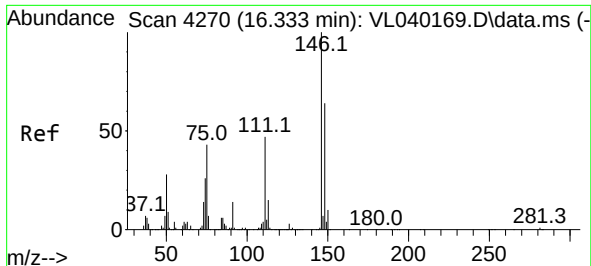
Tgt Ion:105 Resp: 2307135
 Ion Ratio Lower Upper
 105 100
 120 45.8 36.8 55.2



#74
 1,2,4-Trimethylbenzene
 Concen: 9.921 ppbv
 RT: 16.114 min Scan# 4202
 Delta R.T. -0.003 min
 Lab File: VL040218.D
 Acq: 23 Feb 2023 11:58

Tgt Ion:105 Resp: 2496174
 Ion Ratio Lower Upper
 105 100
 120 47.8 37.9 56.9
 91 61.9 43.7 65.5
 77 25.3 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 9.780 ppbv

RT: 16.342 min Scan# 4317

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_1

ClientSampleId :

VL0223ABS01

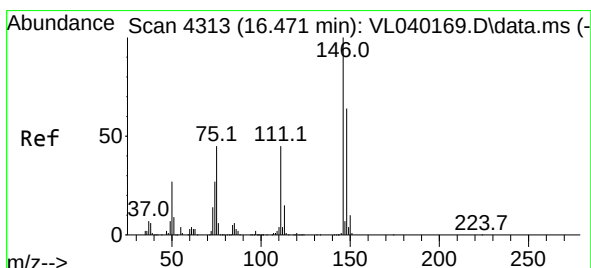
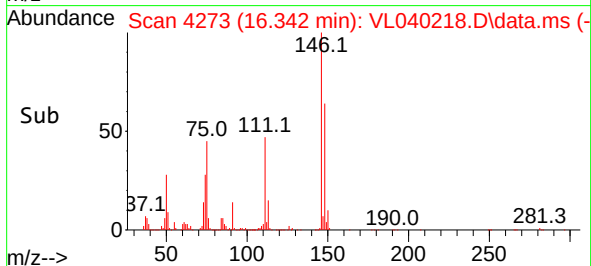
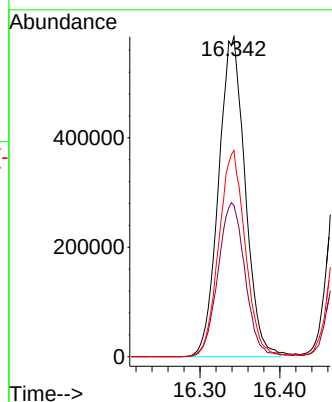
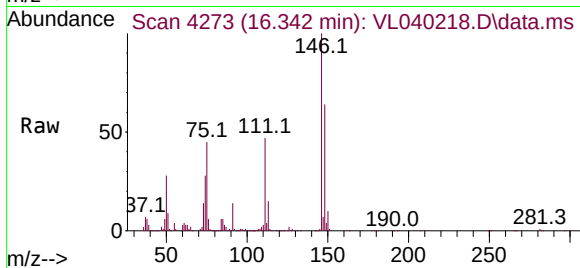
Tgt Ion:146 Resp: 1346663

Ion Ratio Lower Upper

146 100

111 49.1 23.9 71.8

148 64.2 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 9.701 ppbv

RT: 16.484 min Scan# 4317

Delta R.T. 0.003 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

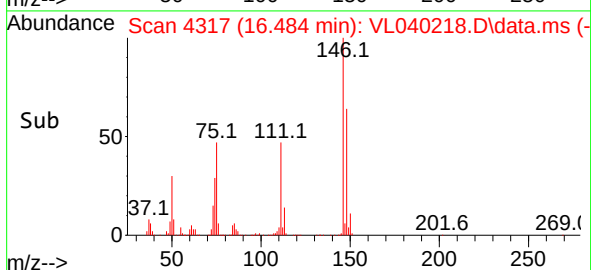
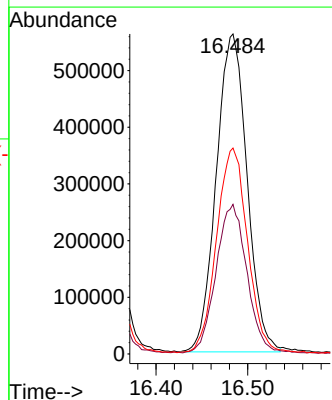
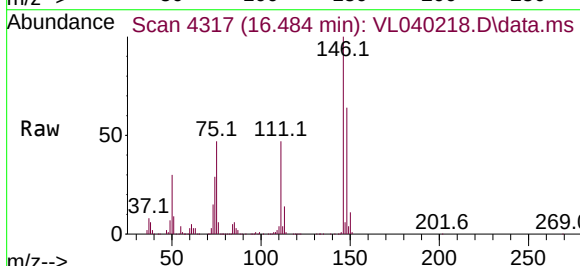
Tgt Ion:146 Resp: 1308898

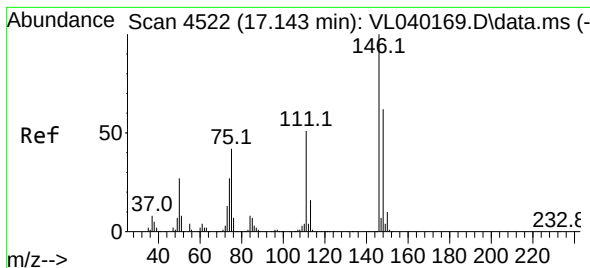
Ion Ratio Lower Upper

146 100

111 48.1 23.5 70.5

148 66.4 32.5 97.4





#77

1,2-Dichlorobenzene

Concen: 9.465 ppbv

RT: 17.153 min Scan# 4522

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_1

ClientSampleId :

VL0223ABS01

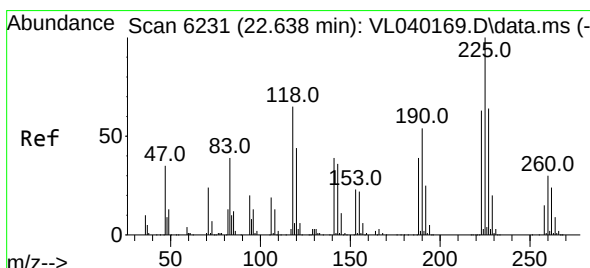
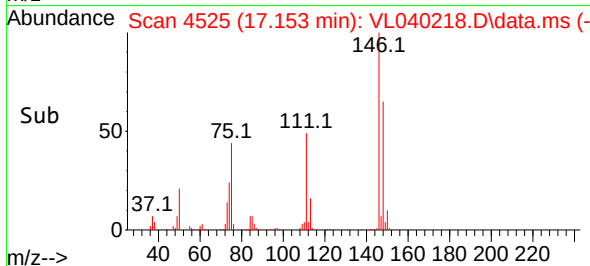
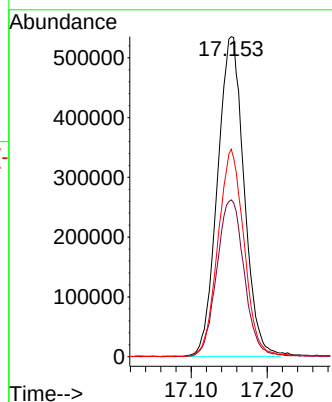
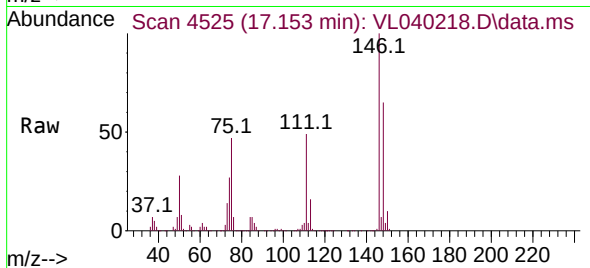
Tgt Ion:146 Resp: 1294517

Ion Ratio Lower Upper

146 100

111 51.0 25.3 75.8

148 64.0 32.0 96.2



#78

Hexachloro-1,3-Butadiene

Concen: 4.026 ppbv

RT: 22.648 min Scan# 6234

Delta R.T. 0.000 min

Lab File: VL040218.D

Acq: 23 Feb 2023 11:58

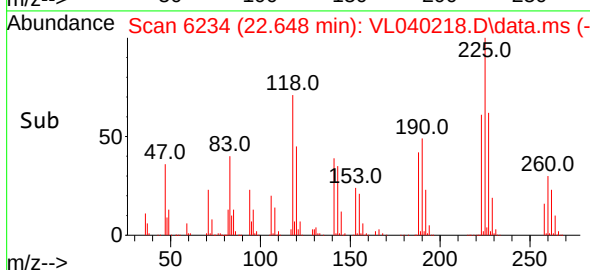
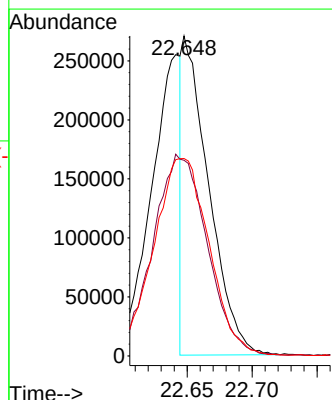
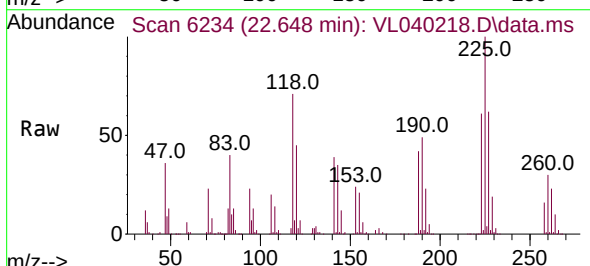
Tgt Ion:225 Resp: 378310

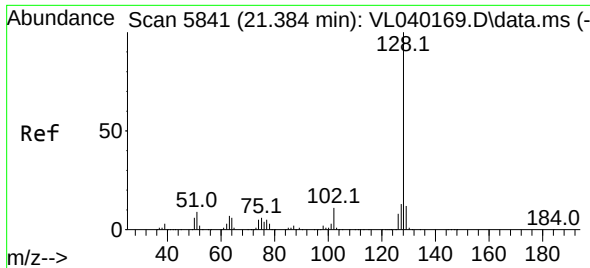
Ion Ratio Lower Upper

225 100

223 0.0 51.0 76.6#

227 133.2 51.2 76.8#

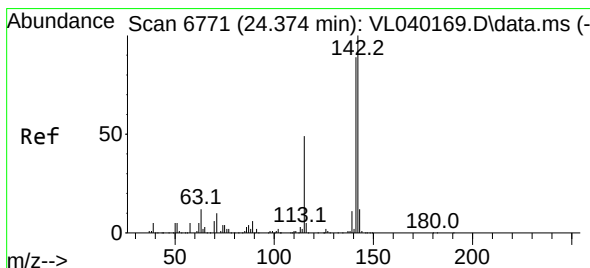
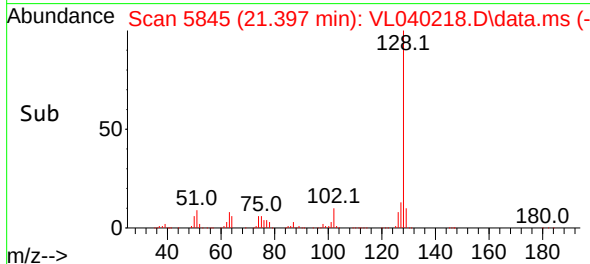
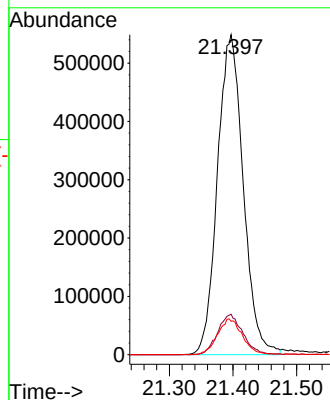
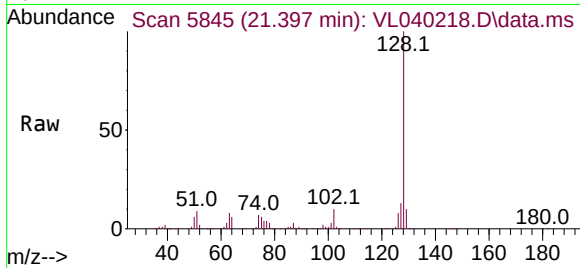




#79
Naphthalene
Concen: 10.923 ppbv
RT: 21.397 min Scan# 5845
Delta R.T. -0.003 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

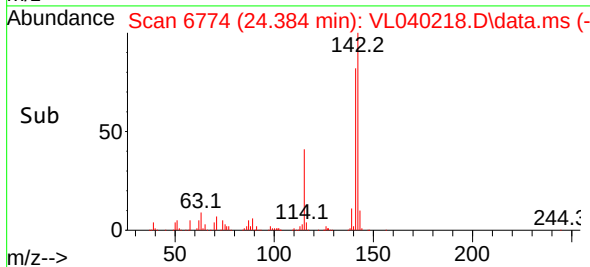
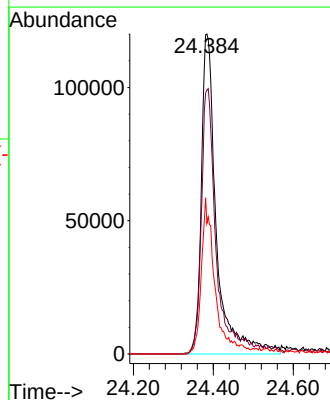
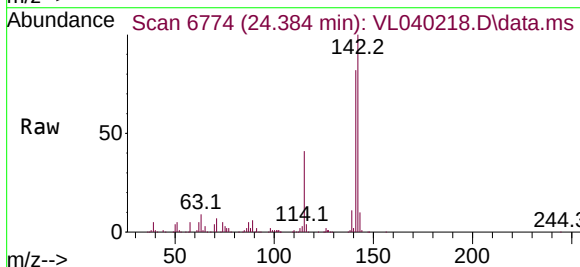
Instrument :
MSVOA_L
ClientSampleId :
VL0223ABS01

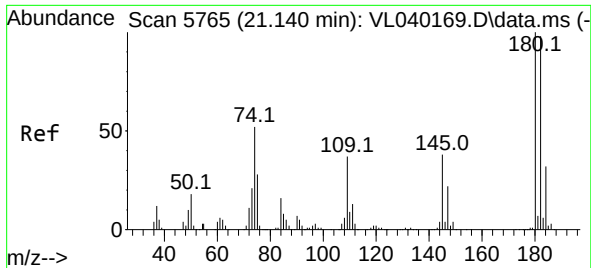
Tgt Ion:128 Resp: 1544011
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.5 9.4 14.0



#80
Naphthalene,2-methyl-
Concen: 7.876 ppbv
RT: 24.384 min Scan# 6774
Delta R.T. 0.000 min
Lab File: VL040218.D
Acq: 23 Feb 2023 11:58

Tgt Ion:142 Resp: 316582
Ion Ratio Lower Upper
142 100
141 80.8 67.3 100.9
115 44.8 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 9.596 ppbv

RT: 21.149 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL040218.D

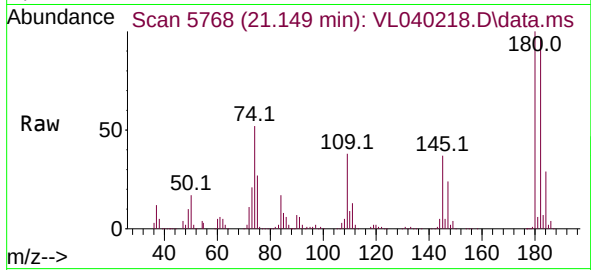
Acq: 23 Feb 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

VL0223ABS01



Tgt Ion:180 Resp: 848826

Ion Ratio Lower Upper

180 100

182 97.0 79.0 118.6

184 30.0 24.6 36.8

