

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040453.D
 Acq On : 17 May 2023 1:17
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Quant Time: May 17 05:19:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 17 05:12:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1050296	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.677	114	2658641	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2581687	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	2014944	9.706	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.739	85	2153813	10.439	ppbv	100
3) Chlorodifluoromethane	2.681	51	1307645	9.640	ppbv	100
4) Chloromethane	2.822	50	833825	9.897	ppbv	98
5) Vinyl Chloride	2.928	62	706879	9.453	ppbv	100
6) Bromomethane	3.131	94	223212	9.819	ppbv	98
7) Chloroethane	3.208	64	270556	10.239	ppbv	100
8) Dichlorotetrafluoroethane	2.864	85	1763741	9.514	ppbv	97
9) Propene	2.700	41	539270	10.220	ppbv	99
10) Heptane	7.603	43	1320772	10.831	ppbv	100
11) Trichlorofluoromethane	3.575	101	1790763	9.612	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.079	101	1291780	9.456	ppbv	100
13) Ethanol	3.263	45	9826	2.457	ppbv #	1
14) Bromoethene	3.378	108	552740	10.150	ppbv	97
15) Acetone	3.478	43	1248261	9.394	ppbv	99
16) 1,3-Butadiene	2.993	39	623129	10.217	ppbv	100
17) tert-Butyl alcohol	3.890	59	1292429	9.711	ppbv	100
18) 1,1-Dichloroethene	3.893	96	590097	9.800	ppbv	97
19) Isopropyl Alcohol	3.587	45	617758	9.545	ppbv	99
20) Methylene Chloride	3.948	84	496126	8.382	ppbv	97
21) Allyl Chloride	4.012	41	853427	10.046	ppbv	99
22) trans-1,2-Dichloroethene	4.462	96	602077	10.011	ppbv	99
23) Vinyl Acetate	4.642	43	309483	8.428	ppbv #	96
24) 1,1-Dichloroethane	4.578	63	1230803	9.795	ppbv	99
25) Ethyl Acetate	5.221	43	2501872	9.998	ppbv	100
26) Hexane	5.230	57	1044420	10.069	ppbv	100
27) Carbon Disulfide	4.137	76	1450089	10.636	ppbv	99
28) Methyl tert-Butyl Ether	4.603	73	1103396	10.013	ppbv	100
29) Chloroform	5.295	83	1820945	9.628	ppbv	98
30) Cyclohexane	6.623	84	888801	10.533	ppbv	98
31) cis-1,2-Dichloroethene	5.099	61	1107379	10.779	ppbv	99
32) 1,1,1-Trichloroethane	6.025	97	1846167	9.395	ppbv	99
34) 2-Butanone	4.803	43	1463351	10.339	ppbv	98
35) Carbon Tetrachloride	6.517	117	1869688	9.798	ppbv	98
36) Benzene	6.391	78	2235419	10.353	ppbv	99
37) 1,2-Dichloroethane	5.828	62	1425332	10.102	ppbv	99
38) Trichloroethene	7.317	130	1355477	10.189	ppbv	99
39) 1,2-Dichloropropane	7.099	63	852520	10.079	ppbv	96
40) 1,4-Dioxane	7.314	88	331551	10.305	ppbv #	1
41) Tetrahydrofuran	5.574	42	851539	10.842	ppbv	99
42) Bromodichloromethane	7.275	83	2001456	10.480	ppbv	98
43) Methyl Methacrylate	7.497	69	894197	11.194	ppbv	99
44) 2,2,4-Trimethylpentane	7.353	57	3686457	10.317	ppbv	99
45) t-1,3-Dichloropropene	8.735	75	867098	12.391	ppbv	99

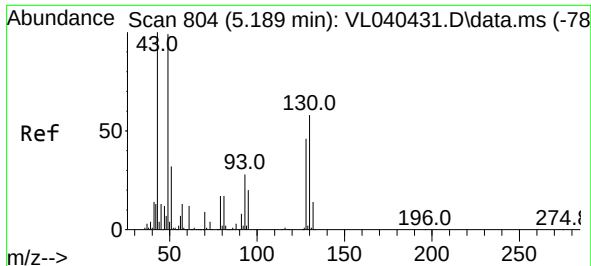
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040453.D
 Acq On : 17 May 2023 1:17
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: May 17 05:19:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 17 05:12:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.169	75	1161530	11.746	ppbv	98
47) 1,1,2-Trichloroethane	8.925	97	951159	10.303	ppbv	98
48) Dibromochloromethane	9.738	129	1609844	10.917	ppbv	99
49) Bromoform	12.436	173	1289472	11.084	ppbv	100
50) 4-Methyl-2-Pentanone	8.208	43	2317635	10.600	ppbv	100
51) 2-Hexanone	9.578	43	1794813	11.144	ppbv #	100
52) Tetrachloroethene	10.645	164	754762	10.293	ppbv	97
53) Toluene	9.250	91	2552778	11.193	ppbv	100
54) 1,2-Dibromoethane	10.037	107	1025635	11.117	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.539	131	1151671	9.632	ppbv	98
57) Chlorobenzene	11.555	112	1967576	9.466	ppbv	99
58) Ethyl Benzene	12.118	91	3483160	10.661	ppbv	98
59) m/p-Xylene	12.401	91	2933952	9.845	ppbv #	29
60) o-Xylene	13.085	91	2915028	10.278	ppbv	99
61) Styrene	12.928	104	1685517	11.733	ppbv	99
62) Isopropylbenzene	14.060	105	4084381	9.853	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.076	83	885975	8.660	ppbv	100
64) n-propylbenzene	14.947	120	1046914	10.236	ppbv	100
65) tert-Butylbenzene	16.121	119	3568122	9.814	ppbv	100
66) Benzyl Chloride	16.359	91	221584	10.272	ppbv	99
67) sec-Butylbenzene	16.664	105	5096493	9.734	ppbv	99
69) p-Isopropyltoluene	17.024	119	4086552	9.936	ppbv	100
70) n-Butylbenzene	17.915	91	4469154	9.750	ppbv	100
71) 2-Chlorotoluene	14.831	91	3181379	10.087	ppbv	100
72) 4-Ethyltoluene	15.220	105	3368446	10.474	ppbv	99
73) 1,3,5-Trimethylbenzene	15.381	105	2974746	10.076	ppbv	98
74) 1,2,4-Trimethylbenzene	16.140	105	3258781	9.594	ppbv	96
75) 1,3-Dichlorobenzene	16.362	146	1798170	9.622	ppbv	99
76) 1,4-Dichlorobenzene	16.500	146	1757044	9.721	ppbv	99
77) 1,2-Dichlorobenzene	17.172	146	1728535	9.547	ppbv	99
78) Hexachloro-1,3-Butadiene	22.667	225	1192012	8.799	ppbv	99
79) Naphthalene	21.416	128	2465927	12.008	ppbv	99
80) Naphthalene,2-methyl-	24.397	142	776418	13.204	ppbv	98
81) 1,2,4-Trichlorobenzene	21.172	180	1299078	10.219	ppbv	100

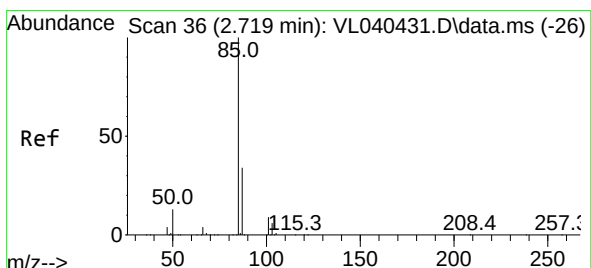
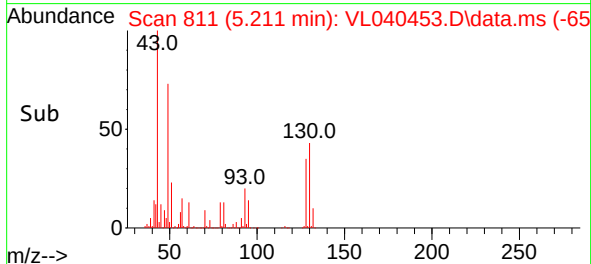
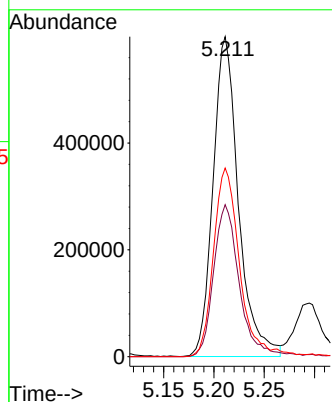
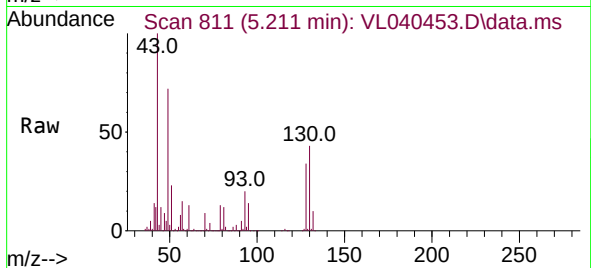
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

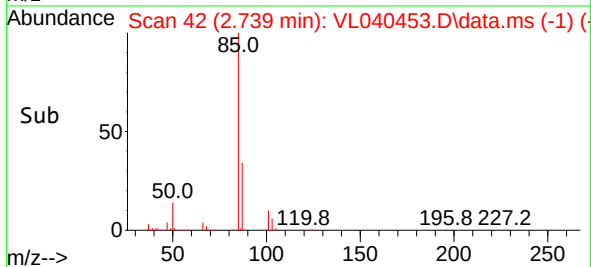
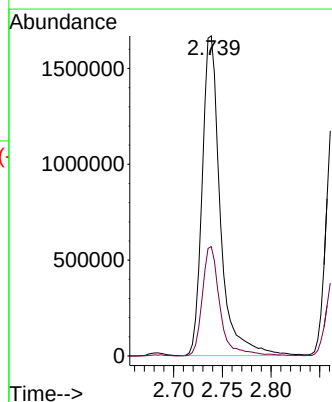
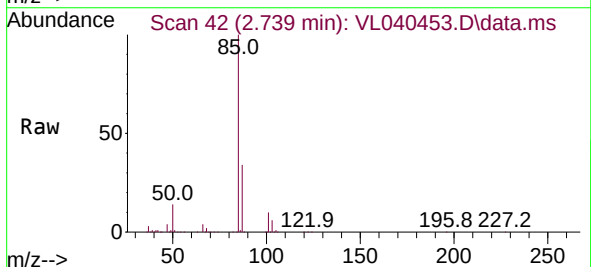
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

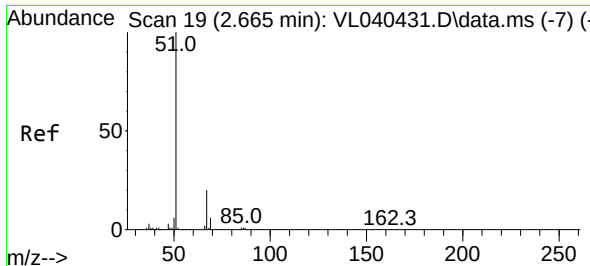
Tgt Ion: 49 Resp: 1050296
Ion Ratio Lower Upper
49 100
128 48.9 24.3 72.8
130 61.6 30.2 90.6



#2
Dichlorodifluoromethane
Concen: 10.439 ppbv
RT: 2.739 min Scan# 42
Delta R.T. 0.010 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion: 85 Resp: 2153813
Ion Ratio Lower Upper
85 100
87 34.2 27.4 41.0

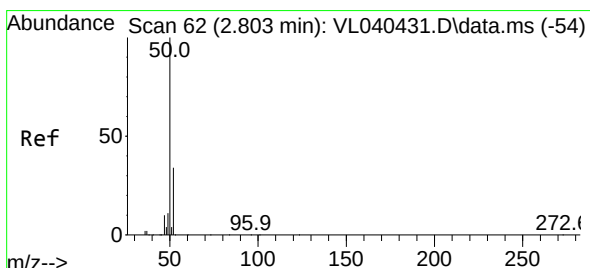
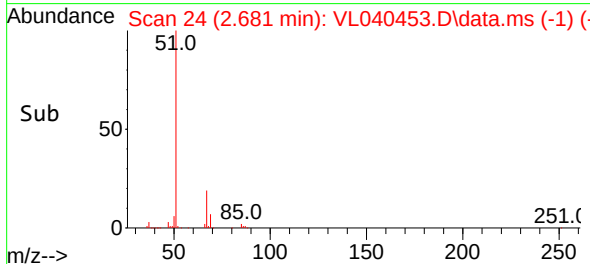
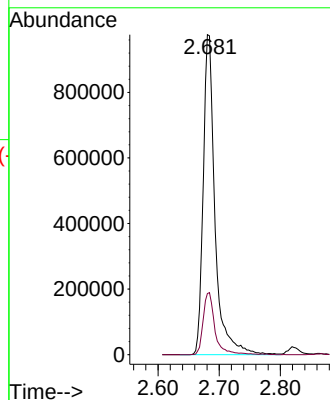
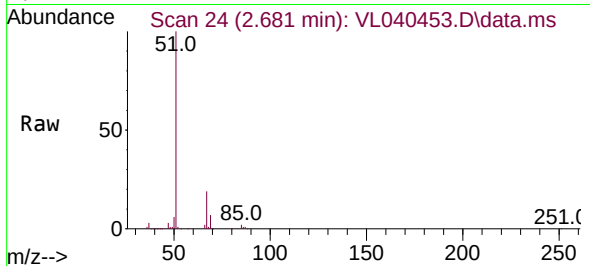




#3
Chlorodifluoromethane
Concen: 9.640 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

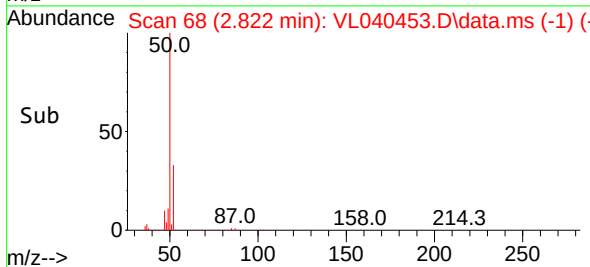
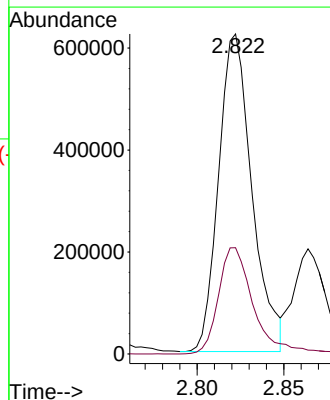
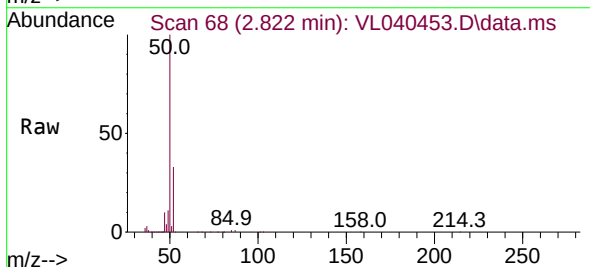
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

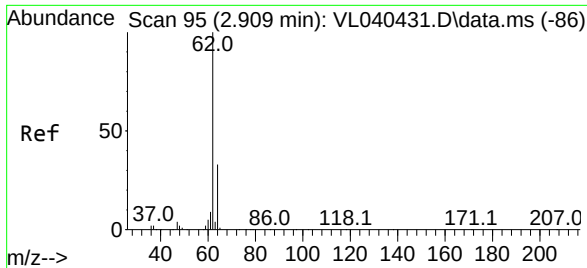
Tgt Ion: 51 Resp: 1307645
Ion Ratio Lower Upper
51 100
67 19.6 15.8 23.6



#4
Chloromethane
Concen: 9.897 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.010 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion: 50 Resp: 833825
Ion Ratio Lower Upper
50 100
52 33.4 27.6 41.4

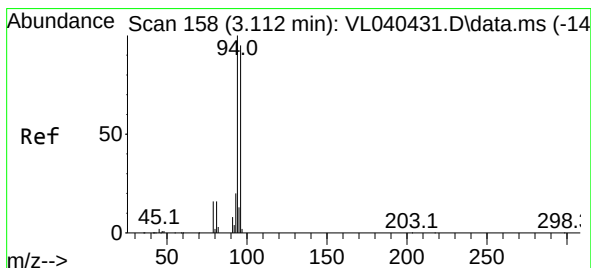
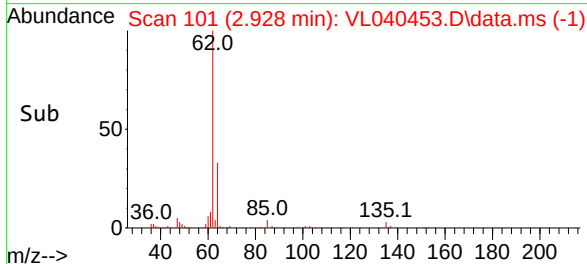
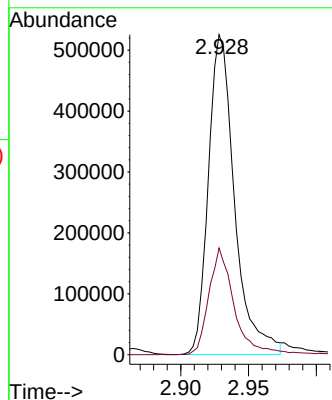
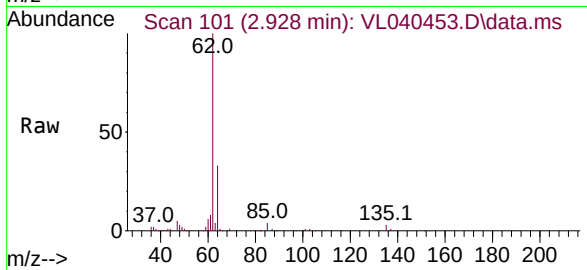




#5
 Vinyl Chloride
 Concen: 9.453 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. 0.007 min
 Lab File: VL040453.D
 Acq: 17 May 2023 1:17

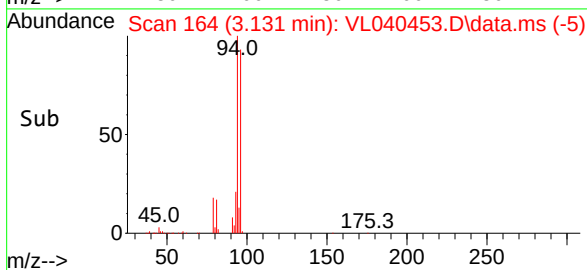
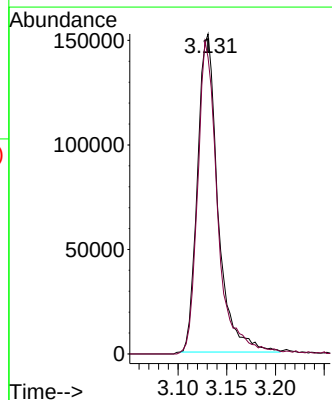
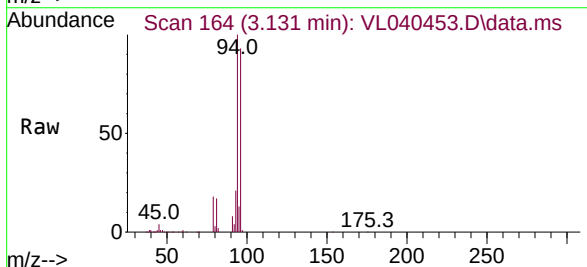
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

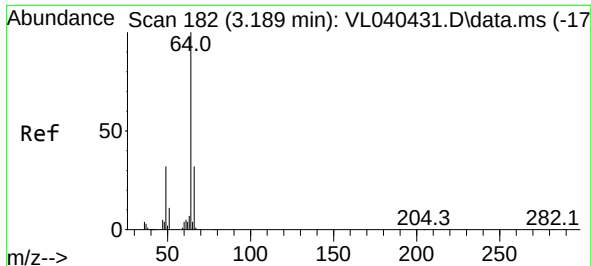
Tgt Ion: 62 Resp: 706879
 Ion Ratio Lower Upper
 62 100
 64 33.4 26.6 40.0



#6
 Bromomethane
 Concen: 9.819 ppbv
 RT: 3.131 min Scan# 164
 Delta R.T. 0.010 min
 Lab File: VL040453.D
 Acq: 17 May 2023 1:17

Tgt Ion: 94 Resp: 223212
 Ion Ratio Lower Upper
 94 100
 96 92.8 75.7 113.5

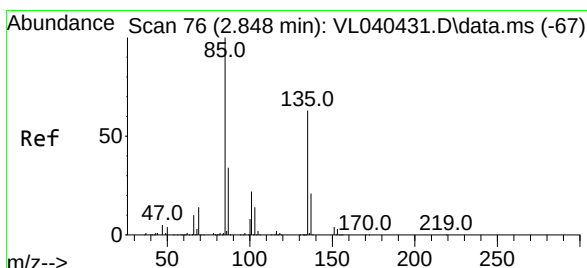
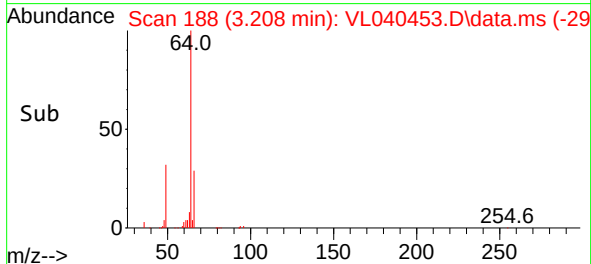
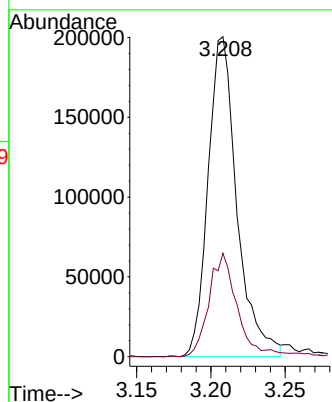
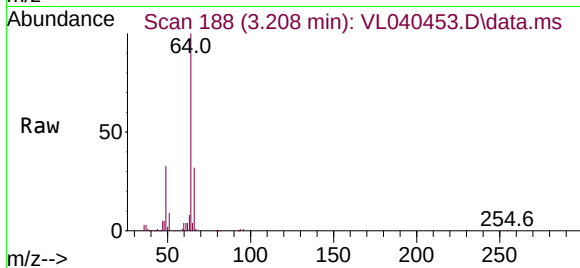




#7
Chloroethane
Concen: 10.239 ppbv
RT: 3.208 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

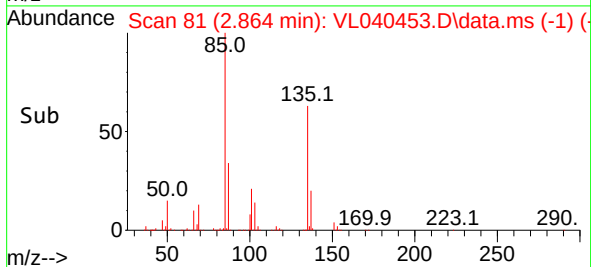
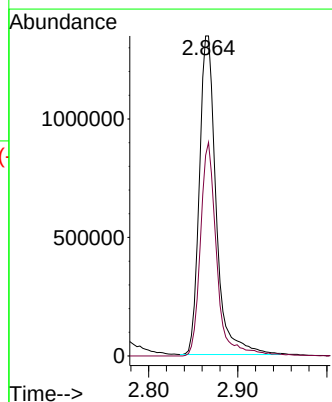
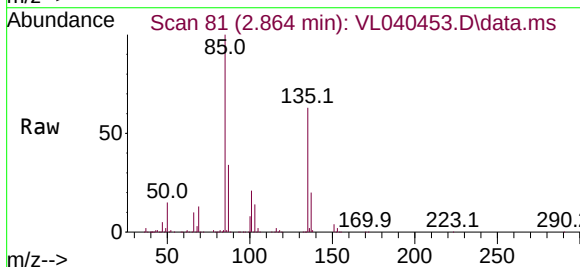
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

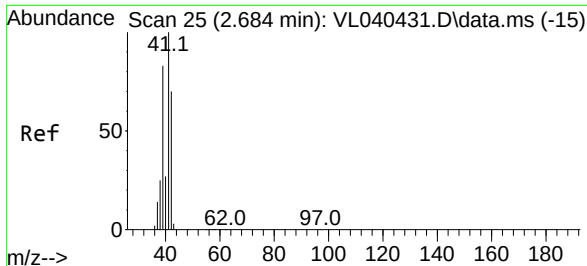
Tgt Ion: 64 Resp: 270556
Ion Ratio Lower Upper
64 100
66 32.3 25.8 38.8



#8
Dichlorotetrafluoroethane
Concen: 9.514 ppbv
RT: 2.864 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion: 85 Resp: 1763741
Ion Ratio Lower Upper
85 100
135 65.3 50.6 75.8





#9

Propene

Concen: 10.220 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.007 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

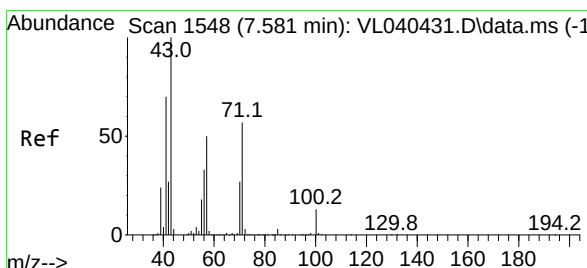
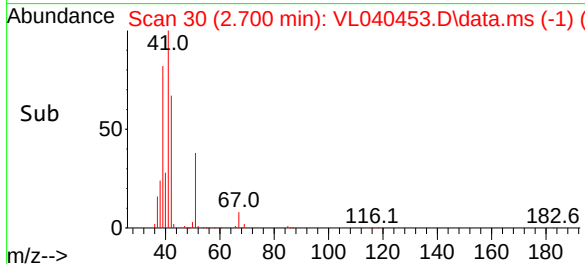
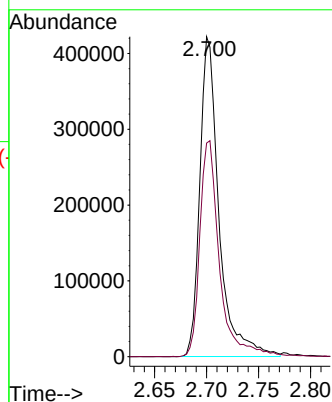
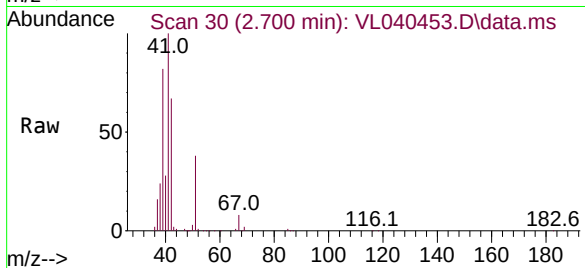
VSTDCCC010EC

Tgt Ion: 41 Resp: 539270

Ion Ratio Lower Upper

41 100

42 69.8 56.6 84.8



#10

Heptane

Concen: 10.831 ppbv

RT: 7.603 min Scan# 1555

Delta R.T. 0.007 min

Lab File: VL040453.D

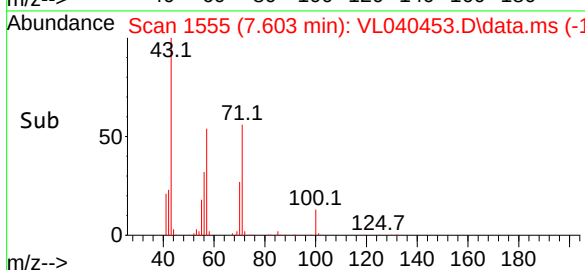
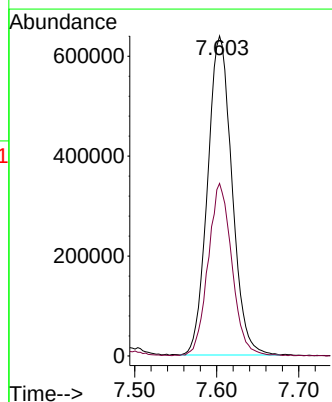
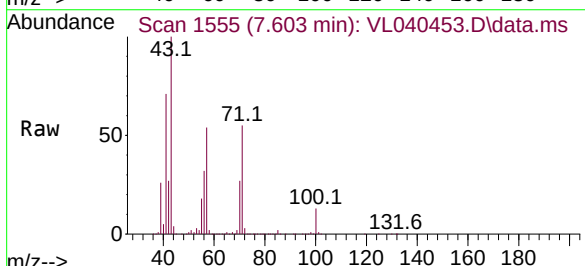
Acq: 17 May 2023 1:17

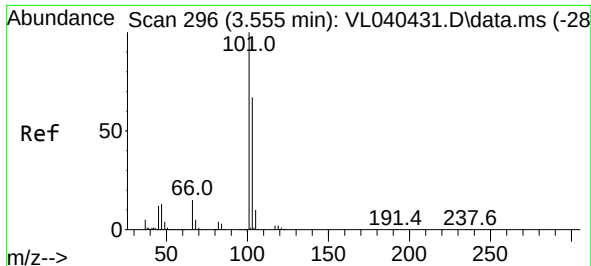
Tgt Ion: 43 Resp: 1320772

Ion Ratio Lower Upper

43 100

57 53.0 42.2 63.2

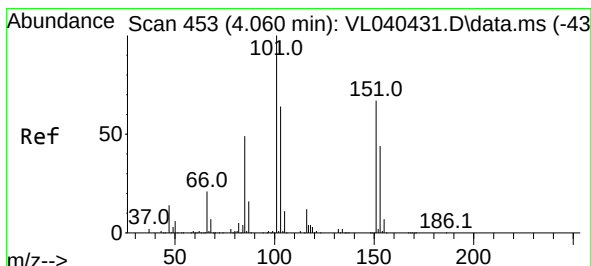
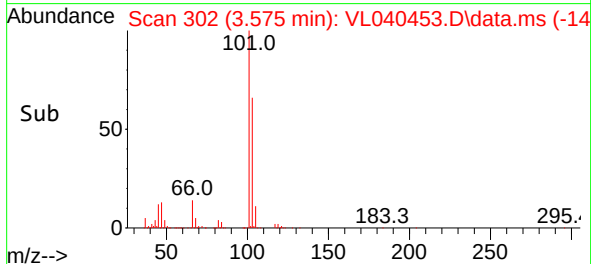
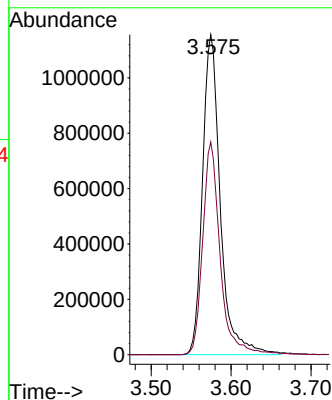
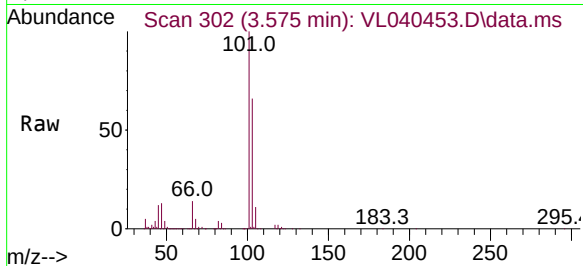




#11
 Trichlorofluoromethane
 Concen: 9.612 ppbv
 RT: 3.575 min Scan# 302
 Delta R.T. 0.007 min
 Lab File: VL040453.D
 Acq: 17 May 2023 1:17

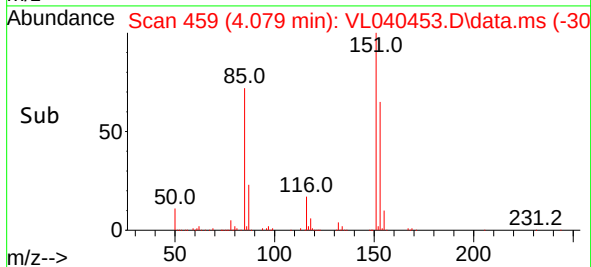
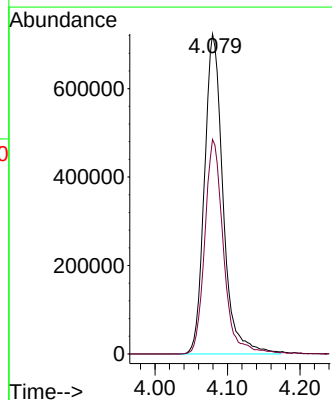
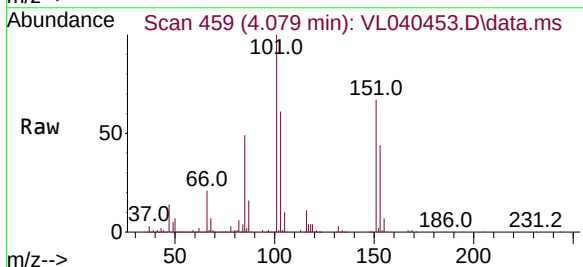
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

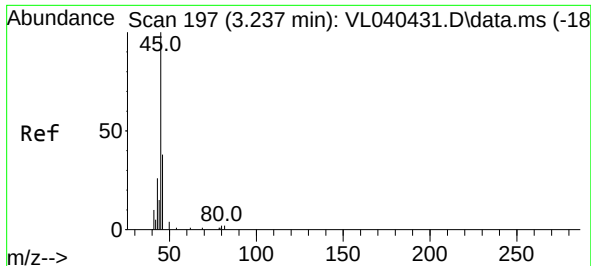
Tgt Ion:101 Resp: 1790763
 Ion Ratio Lower Upper
 101 100
 103 66.4 53.3 79.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.456 ppbv
 RT: 4.079 min Scan# 459
 Delta R.T. 0.007 min
 Lab File: VL040453.D
 Acq: 17 May 2023 1:17

Tgt Ion:101 Resp: 1291780
 Ion Ratio Lower Upper
 101 100
 151 67.5 53.8 80.6

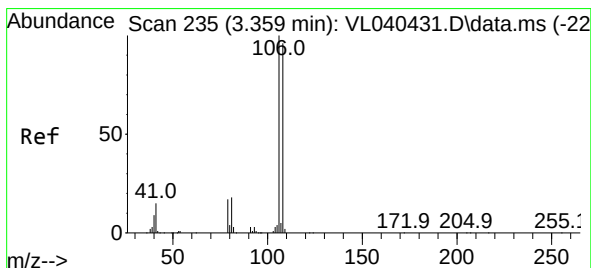
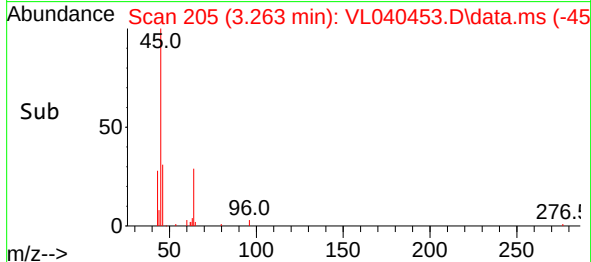
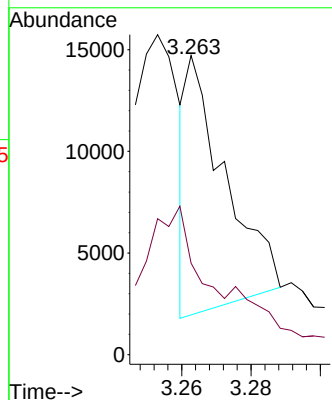
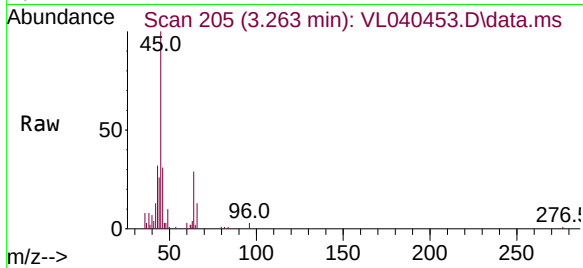




#13
Ethanol
Concen: 2.457 ppbv
RT: 3.263 min Scan# 205
Delta R.T. 0.013 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

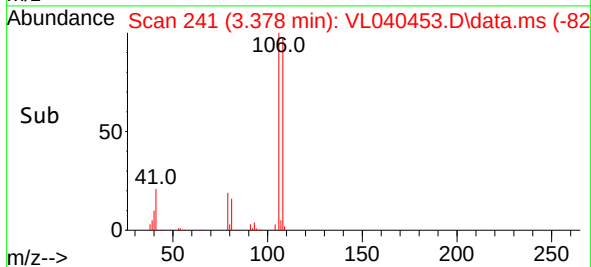
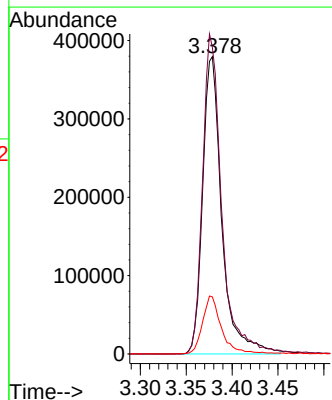
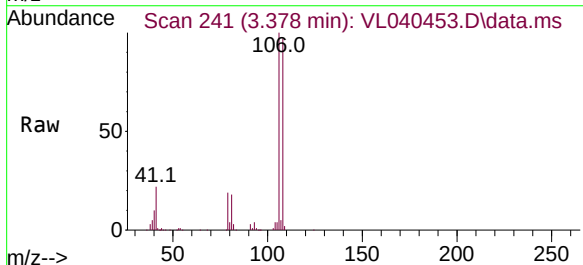
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

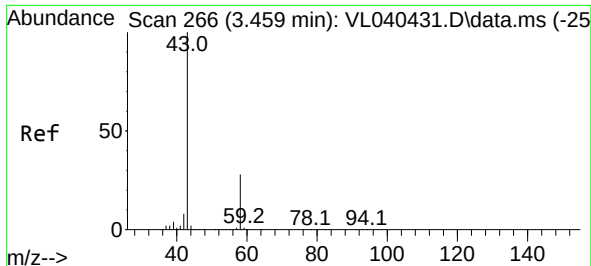
Tgt Ion: 45 Resp: 9826
Ion Ratio Lower Upper
45 100
46 134.6 13.2 52.8#



#14
Bromoethene
Concen: 10.150 ppbv
RT: 3.378 min Scan# 241
Delta R.T. 0.010 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion: 108 Resp: 552740
Ion Ratio Lower Upper
108 100
106 108.1 89.5 134.3
79 19.7 16.1 24.1





#15

Acetone

Concen: 9.394 ppbv

RT: 3.478 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

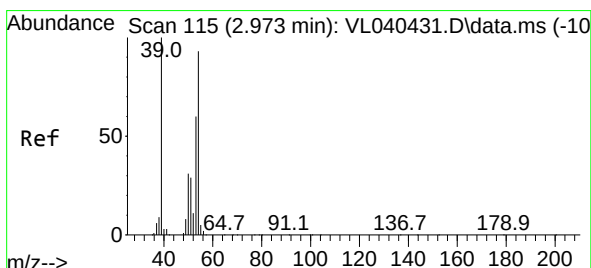
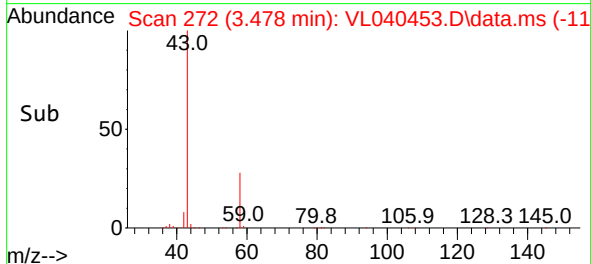
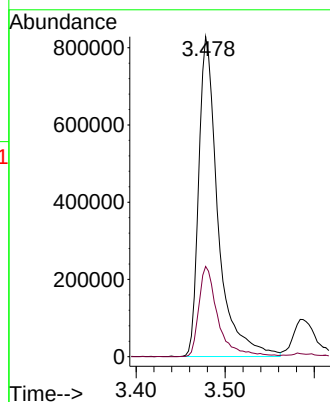
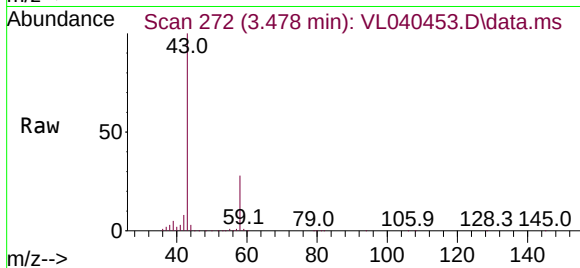
VSTDCCC010EC

Tgt Ion: 43 Resp: 1248261

Ion Ratio Lower Upper

43 100

58 28.1 22.2 33.4



#16

1,3-Butadiene

Concen: 10.217 ppbv

RT: 2.993 min Scan# 121

Delta R.T. 0.007 min

Lab File: VL040453.D

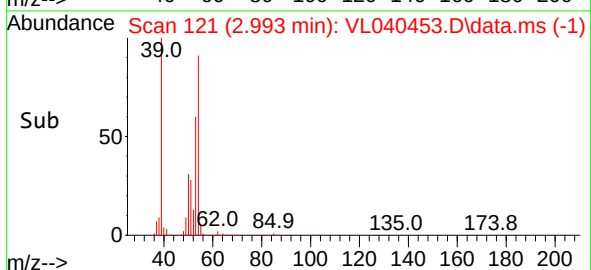
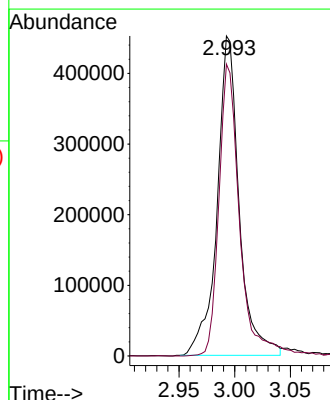
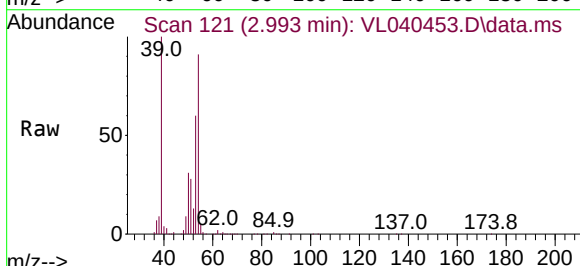
Acq: 17 May 2023 1:17

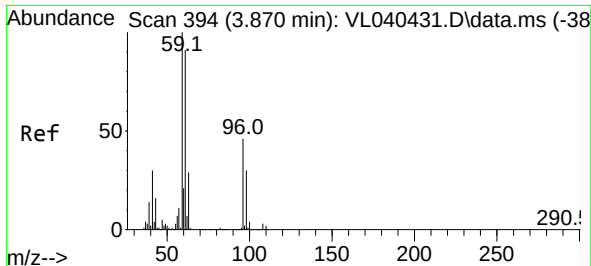
Tgt Ion: 39 Resp: 623129

Ion Ratio Lower Upper

39 100

54 86.5 68.9 103.3





#17

tert-Butyl alcohol

Concen: 9.711 ppbv

RT: 3.890 min Scan# 401

Delta R.T. 0.010 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

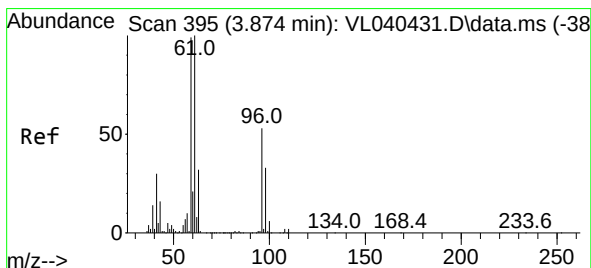
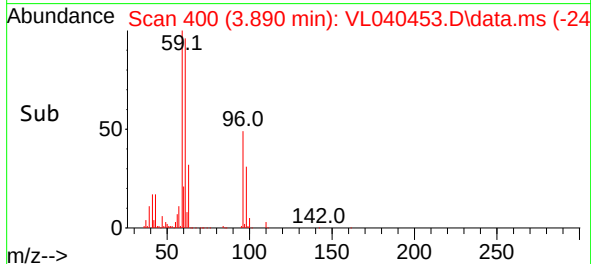
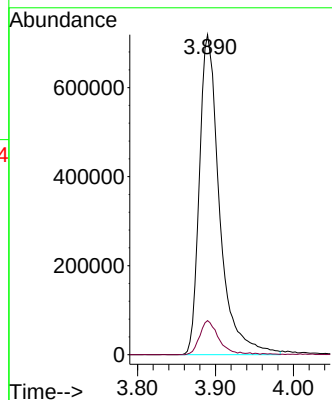
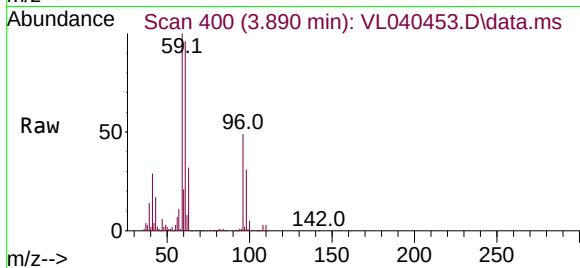
VSTDCCC010EC

Tgt Ion: 59 Resp: 1292429

Ion Ratio Lower Upper

59 100

57 10.6 8.6 12.8



#18

1,1-Dichloroethene

Concen: 9.800 ppbv

RT: 3.893 min Scan# 401

Delta R.T. 0.007 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

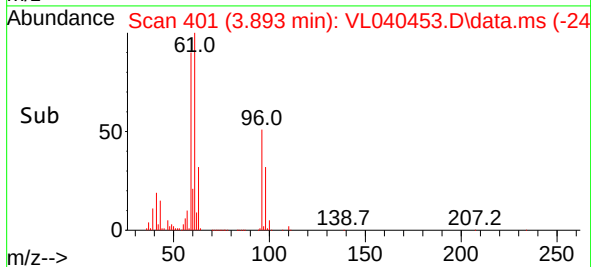
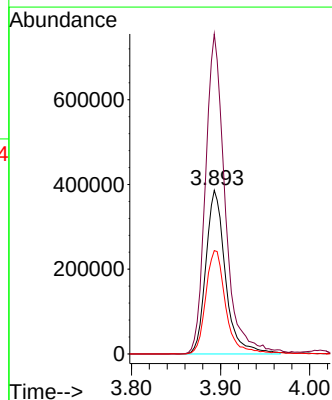
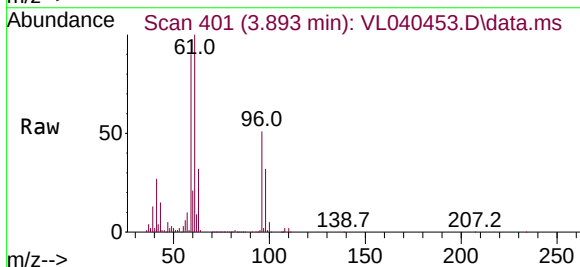
Tgt Ion: 96 Resp: 590097

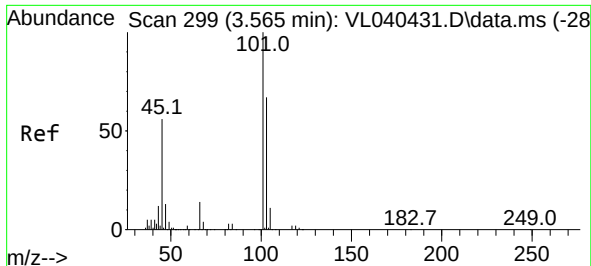
Ion Ratio Lower Upper

96 100

61 195.6 151.8 227.8

98 63.2 50.5 75.7

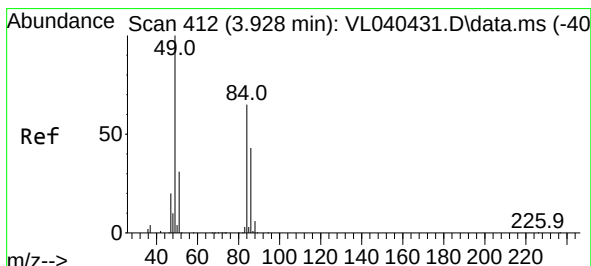
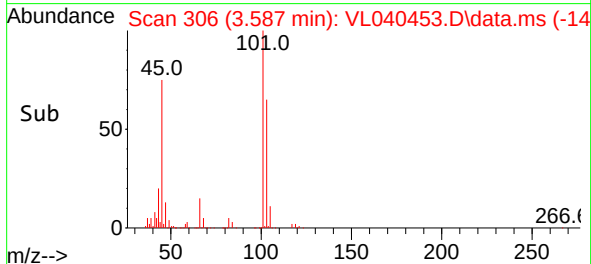
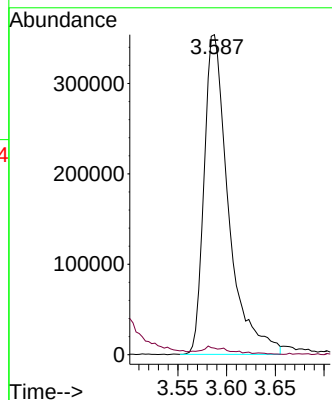
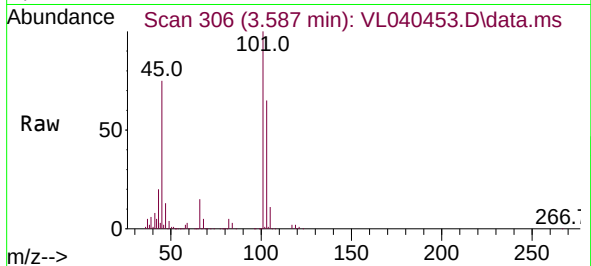




#19
Isopropyl Alcohol
Concen: 9.545 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.010 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

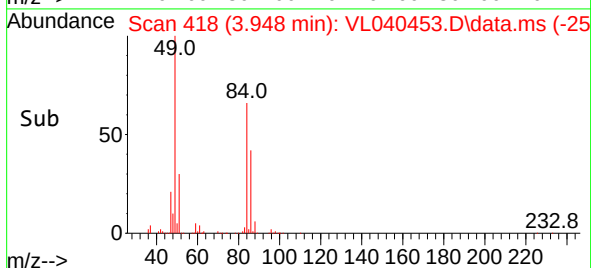
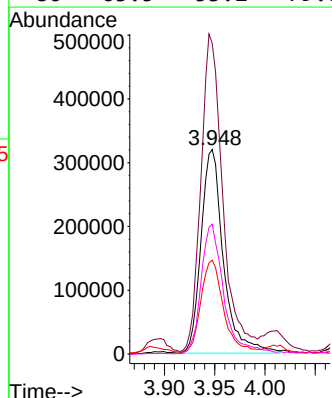
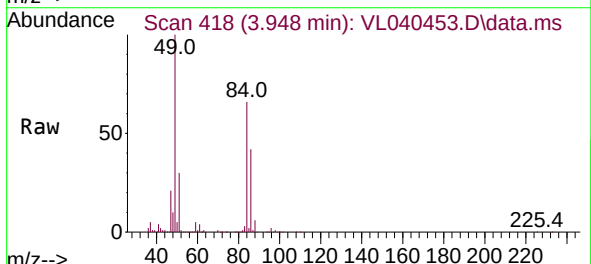
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

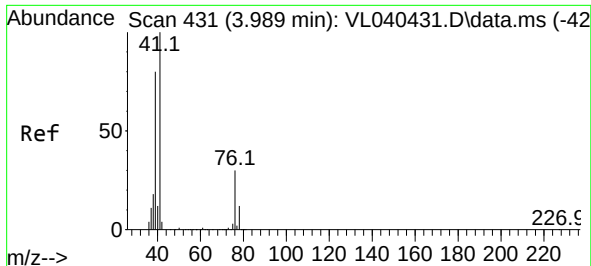
Tgt Ion: 45 Resp: 617758
Ion Ratio Lower Upper
45 100
58 2.8 2.1 3.1



#20
Methylene Chloride
Concen: 8.382 ppbv
RT: 3.948 min Scan# 418
Delta R.T. 0.010 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion: 84 Resp: 496126
Ion Ratio Lower Upper
84 100
49 151.3 123.7 185.5
51 45.2 38.6 57.8
86 63.5 53.2 79.8

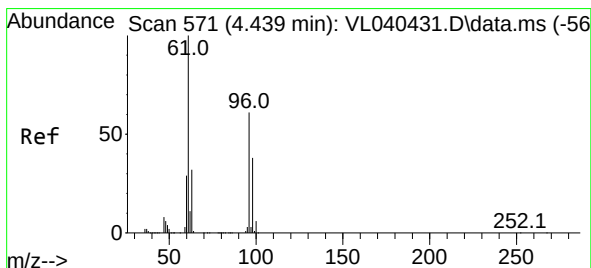
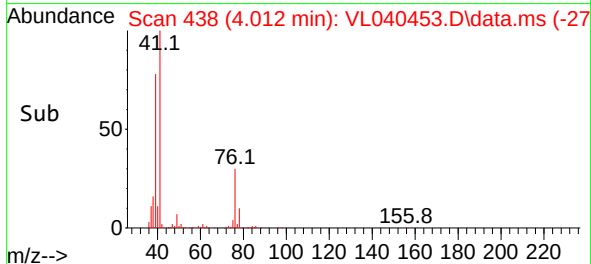
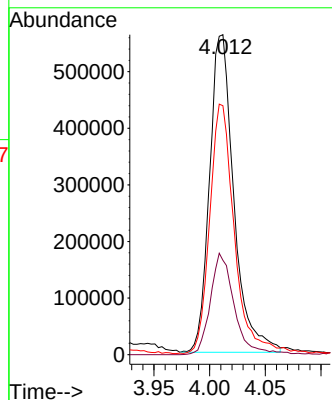
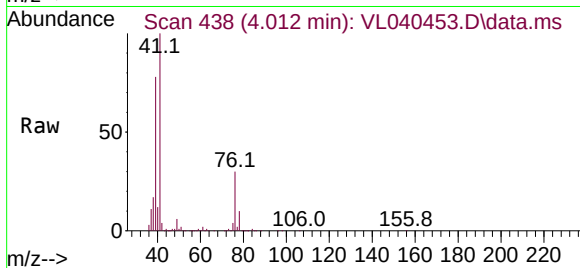




#21
 Allyl Chloride
 Concen: 10.046 ppbv
 RT: 4.012 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL040453.D
 Acq: 17 May 2023 1:17

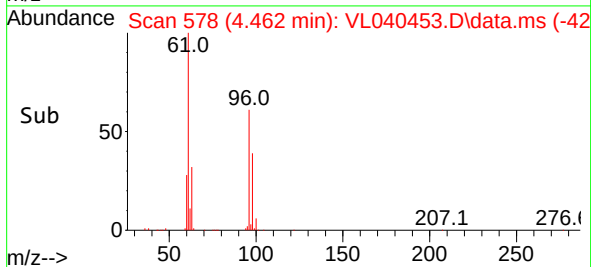
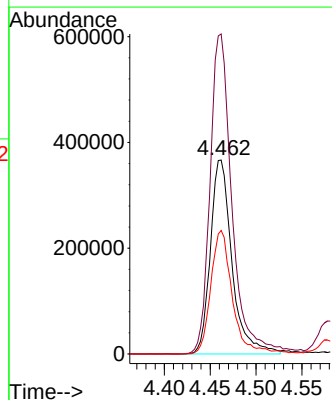
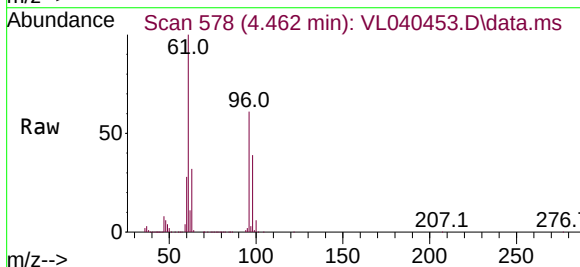
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010EC

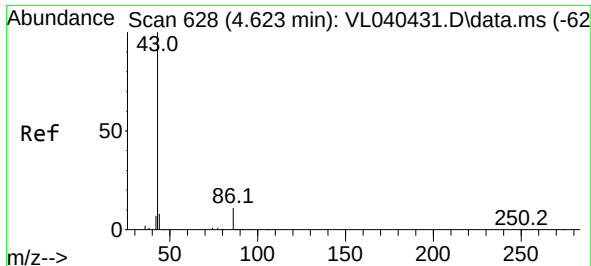
Tgt Ion: 41 Resp: 853427
 Ion Ratio Lower Upper
 41 100
 76 31.7 25.3 37.9
 39 80.3 63.5 95.3



#22
 trans-1,2-Dichloroethene
 Concen: 10.011 ppbv
 RT: 4.462 min Scan# 578
 Delta R.T. 0.007 min
 Lab File: VL040453.D
 Acq: 17 May 2023 1:17

Tgt Ion: 96 Resp: 602077
 Ion Ratio Lower Upper
 96 100
 61 165.0 131.8 197.6
 98 63.7 50.1 75.1

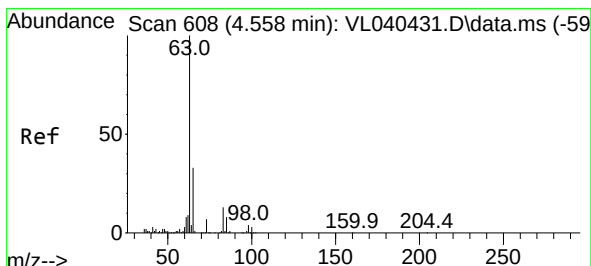
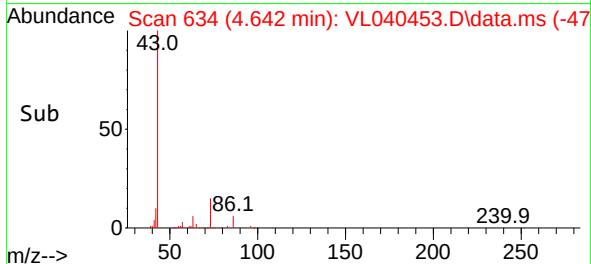
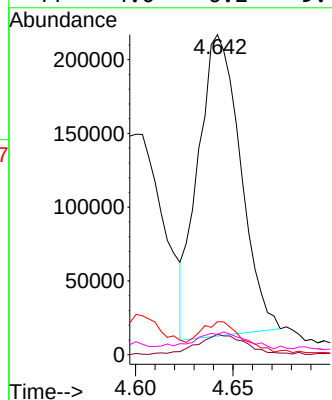
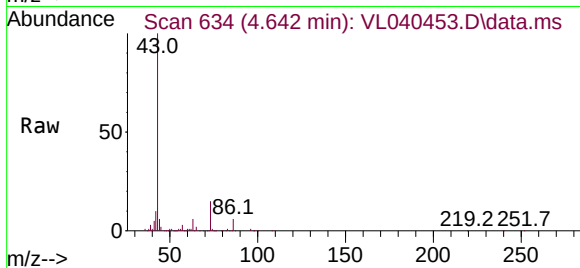




#23
 Vinyl Acetate
 Concen: 8.428 ppbv
 RT: 4.642 min Scan# 614
 Delta R.T. 0.007 min
 Lab File: VL040453.D
 Acq: 17 May 2023 1:17

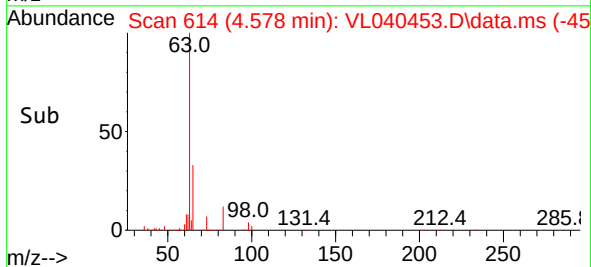
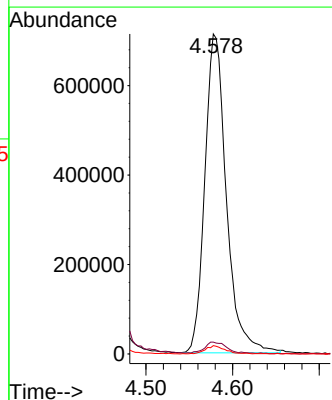
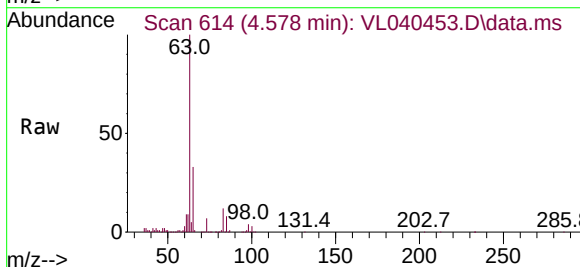
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010EC

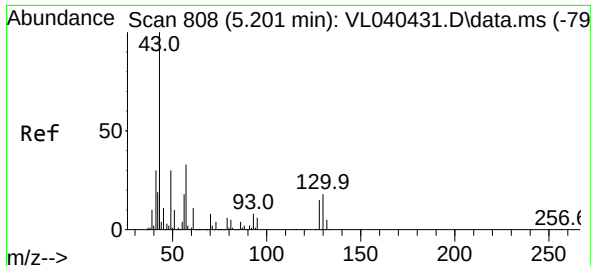
Tgt Ion:	43	Resp:	309483
Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.4	8.2
42	9.8	7.8	11.6
44	4.0	6.2	9.4



#24
 1,1-Dichloroethane
 Concen: 9.795 ppbv
 RT: 4.578 min Scan# 614
 Delta R.T. 0.007 min
 Lab File: VL040453.D
 Acq: 17 May 2023 1:17

Tgt Ion:	63	Resp:	1230803
Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.0	5.8
100	2.6	1.4	4.2



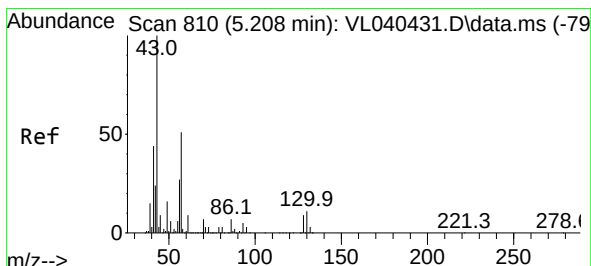
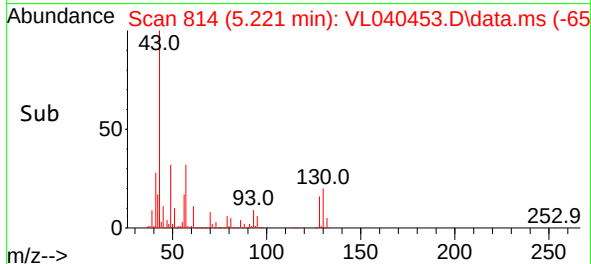
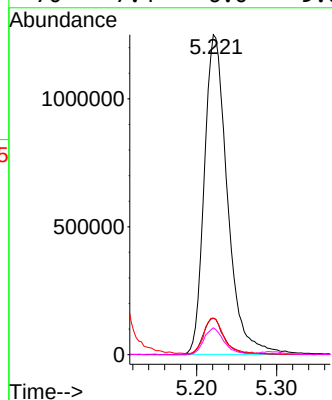
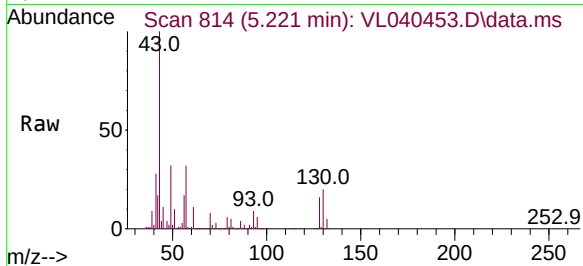


#25
Ethyl Acetate
Concen: 9.998 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2501872

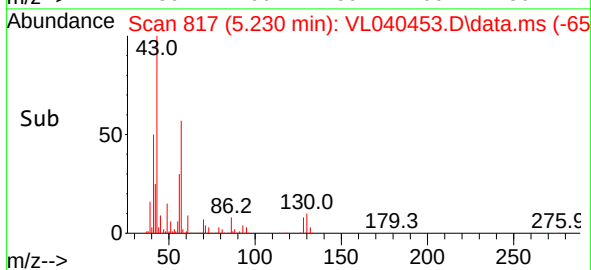
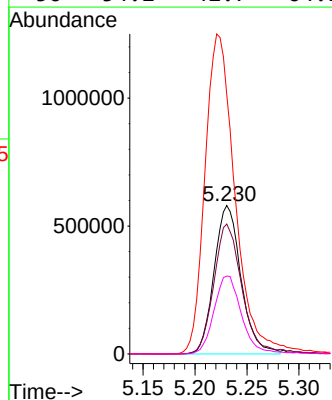
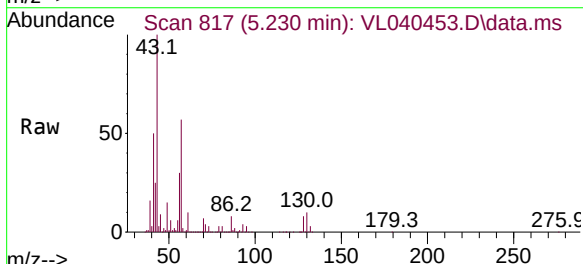
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.6	13.0
61	10.5	8.6	12.8
70	7.4	6.0	9.0

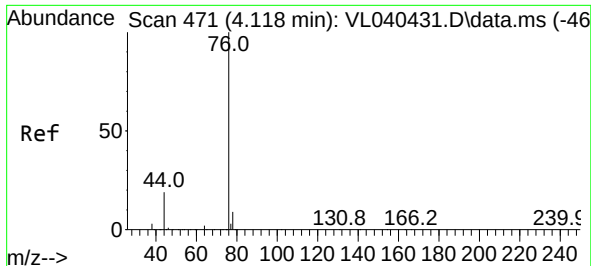


#26
Hexane
Concen: 10.069 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion: 57 Resp: 1044420

Ion	Ratio	Lower	Upper
57	100		
41	93.0	75.1	112.7
43	242.7	194.4	291.6
56	54.2	42.7	64.1

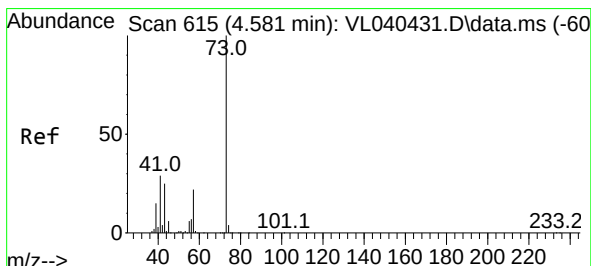
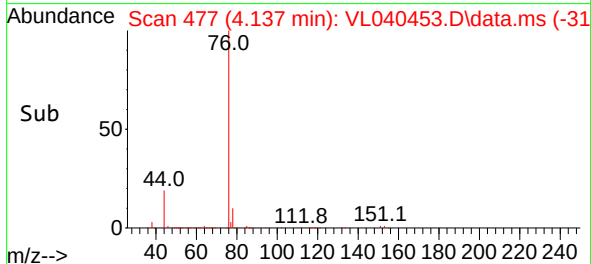
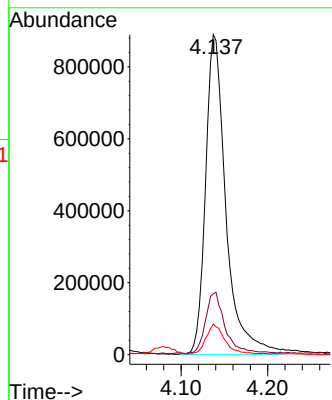
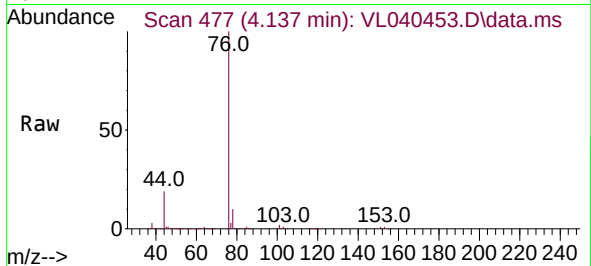




#27
Carbon Disulfide
Concen: 10.636 ppbv
RT: 4.137 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

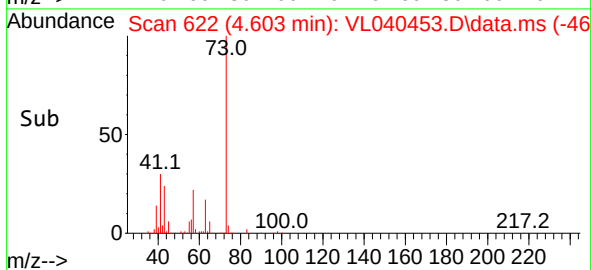
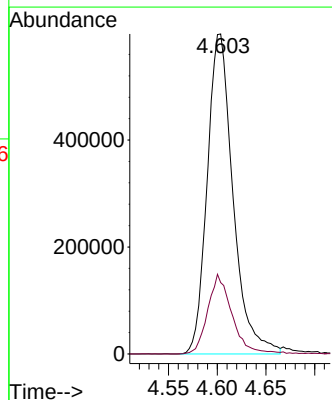
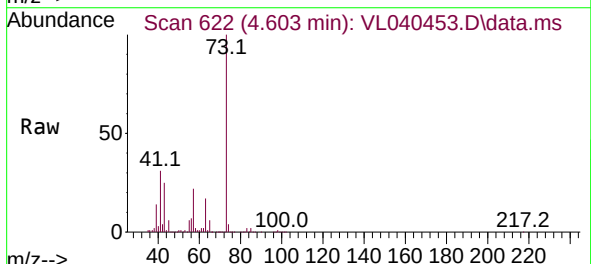
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

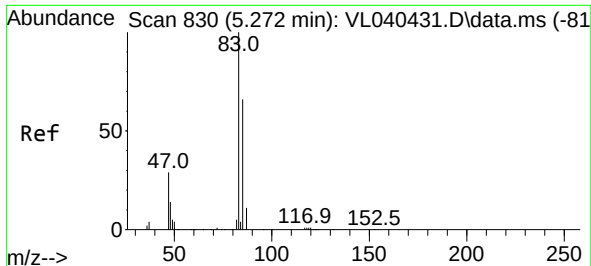
Tgt Ion: 76 Resp: 1450089
Ion Ratio Lower Upper
76 100
44 18.7 15.3 22.9
78 9.5 7.4 11.2



#28
Methyl tert-Butyl Ether
Concen: 10.013 ppbv
RT: 4.603 min Scan# 622
Delta R.T. 0.010 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion: 73 Resp: 1103396
Ion Ratio Lower Upper
73 100
57 23.7 18.9 28.3





#29

Chloroform

Concen: 9.628 ppbv

RT: 5.295 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

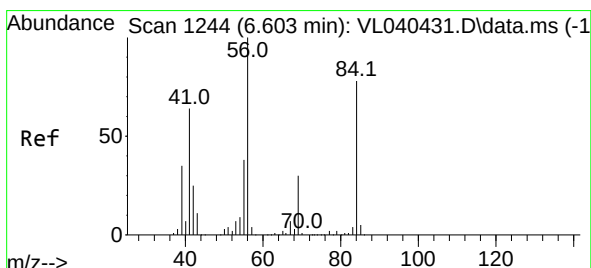
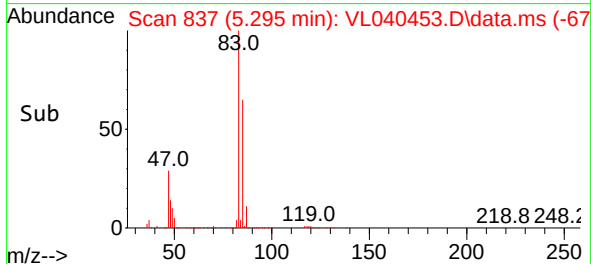
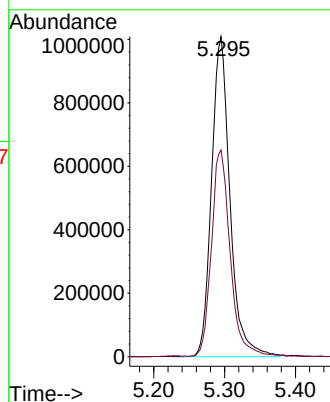
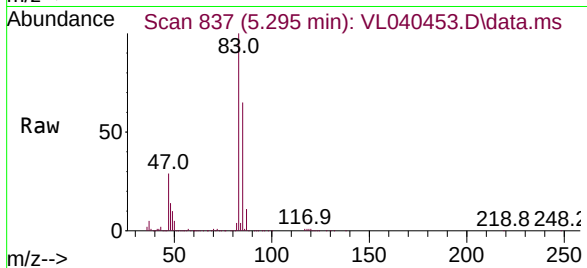
VSTDCCC010EC

Tgt Ion: 83 Resp: 1820945

Ion Ratio Lower Upper

83 100

85 64.3 52.4 78.6



#30

Cyclohexane

Concen: 10.533 ppbv

RT: 6.623 min Scan# 1250

Delta R.T. 0.007 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

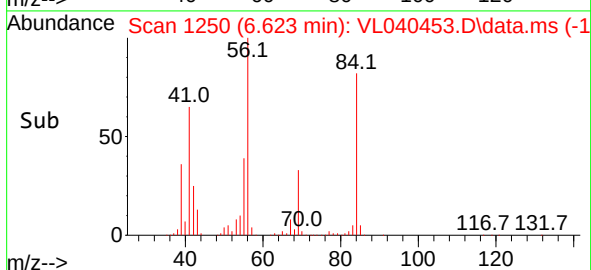
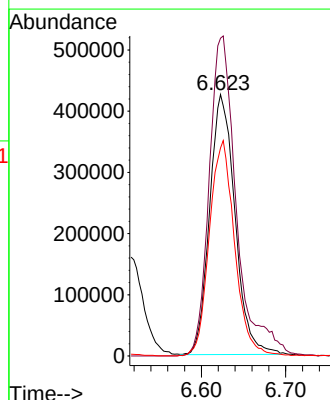
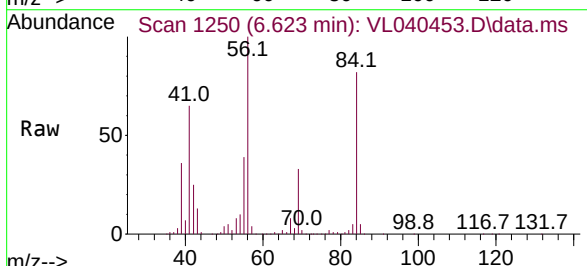
Tgt Ion: 84 Resp: 888801

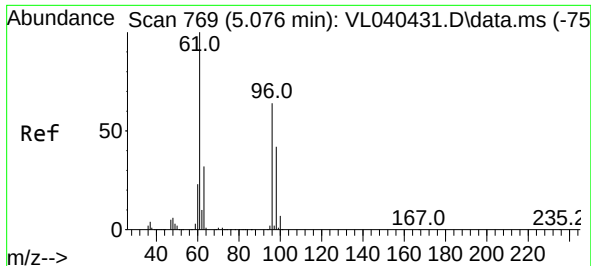
Ion Ratio Lower Upper

84 100

56 132.8 108.2 162.4

41 82.5 66.9 100.3

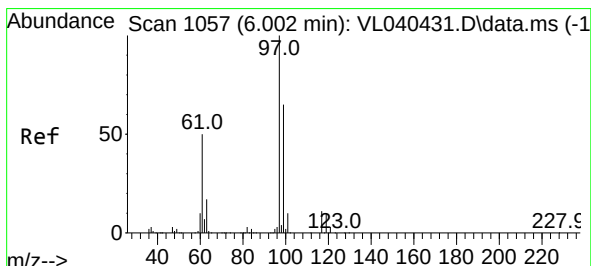
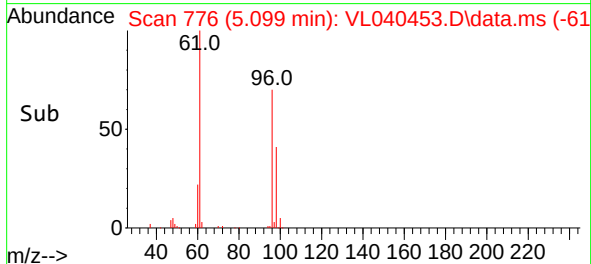
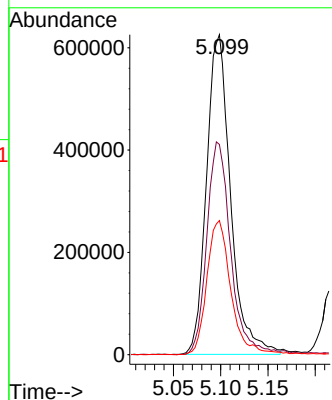
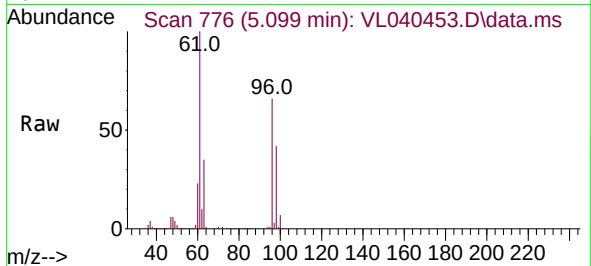




#31
 cis-1,2-Dichloroethene
 Concen: 10.779 ppbv
 RT: 5.099 min Scan# 71
 Delta R.T. 0.010 min
 Lab File: VL040453.D
 Acq: 17 May 2023 1:17

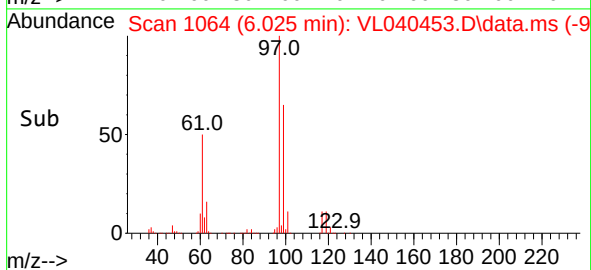
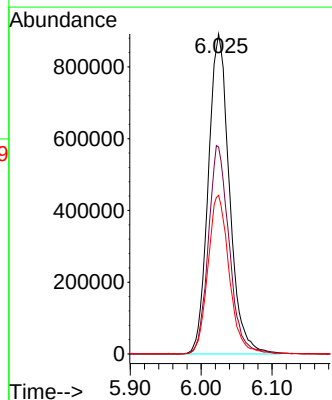
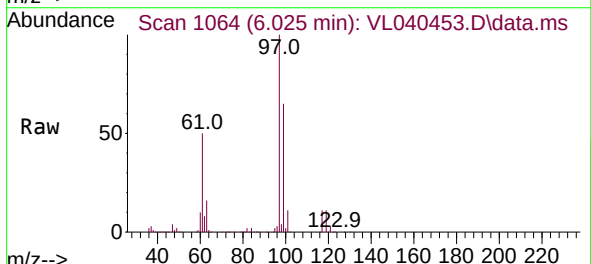
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

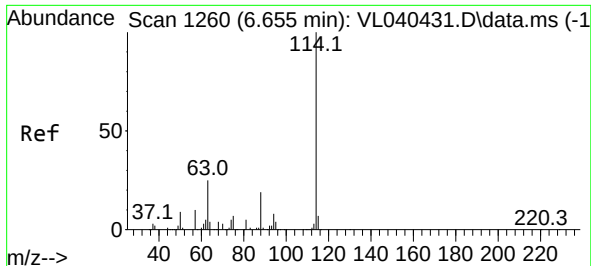
Tgt Ion: 61 Resp: 1107379
 Ion Ratio Lower Upper
 61 100
 96 65.7 51.4 77.0
 98 41.8 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 9.395 ppbv
 RT: 6.025 min Scan# 1064
 Delta R.T. 0.010 min
 Lab File: VL040453.D
 Acq: 17 May 2023 1:17

Tgt Ion: 97 Resp: 1846167
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.2 78.2
 61 49.9 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.677 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

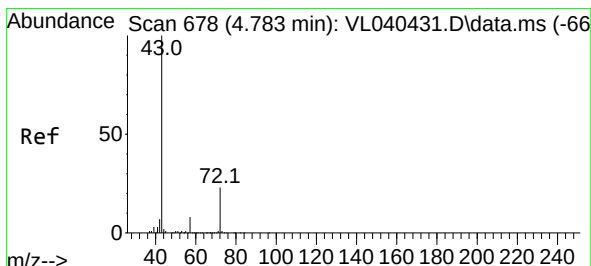
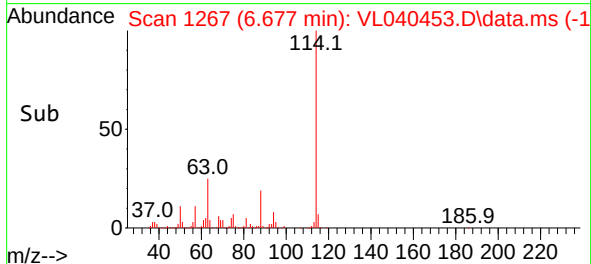
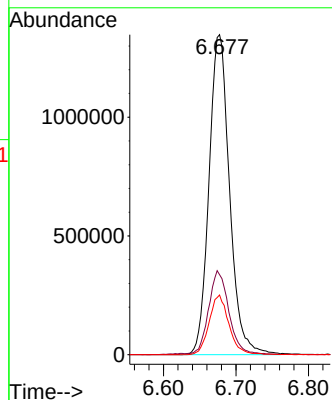
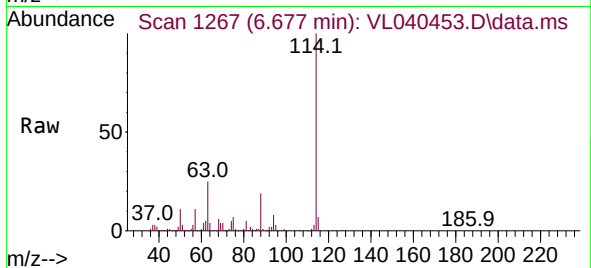
Tgt Ion:114 Resp: 2658641

Ion Ratio Lower Upper

114 100

63 26.1 21.0 31.6

88 17.9 14.6 22.0



#34

2-Butanone

Concen: 10.339 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.007 min

Lab File: VL040453.D

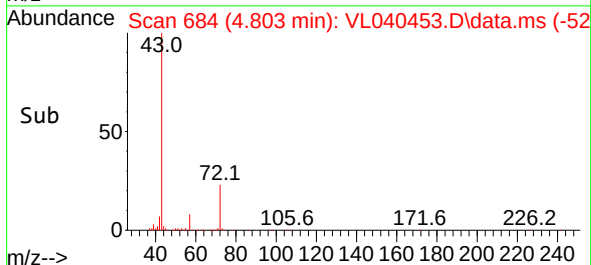
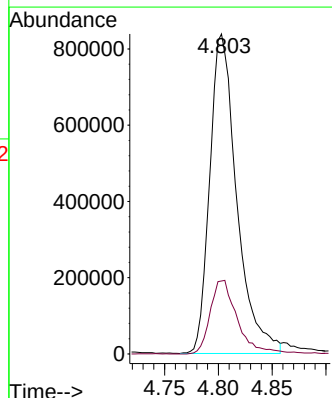
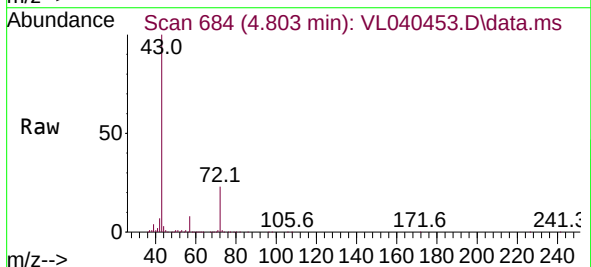
Acq: 17 May 2023 1:17

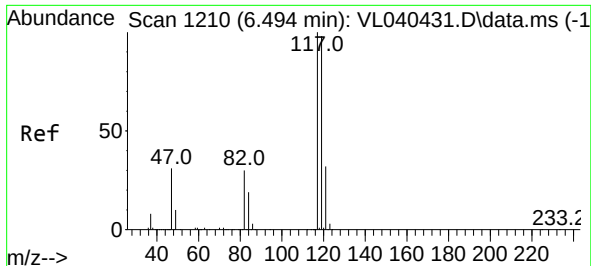
Tgt Ion: 43 Resp: 1463351

Ion Ratio Lower Upper

43 100

72 23.7 18.3 27.5

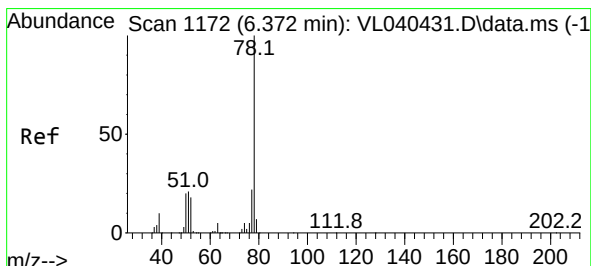
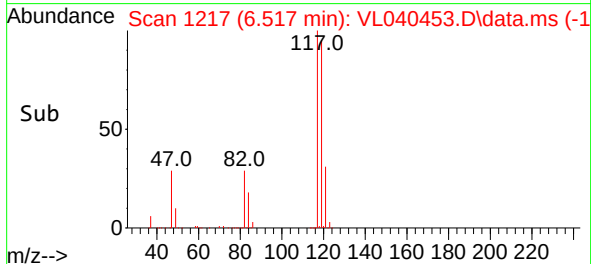
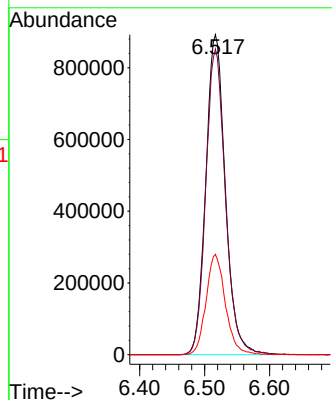
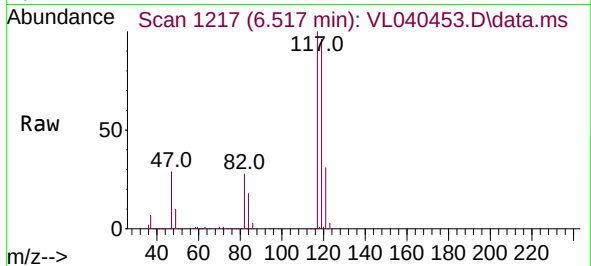




#35
Carbon Tetrachloride
Concen: 9.798 ppbv
RT: 6.517 min Scan# 1178
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

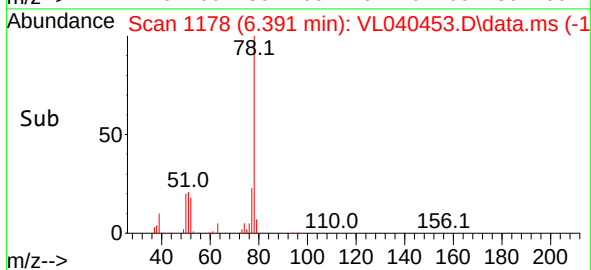
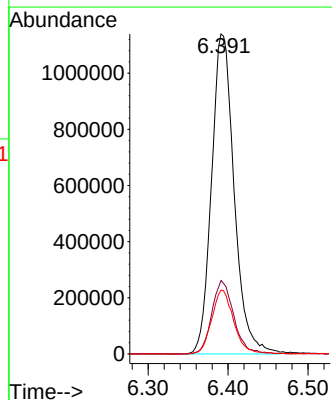
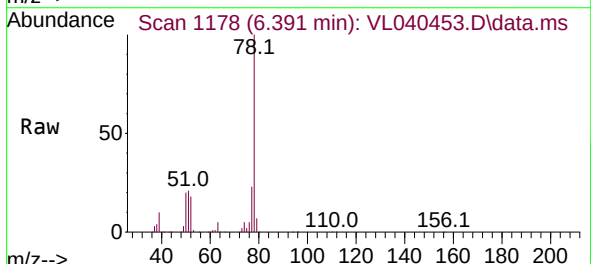
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

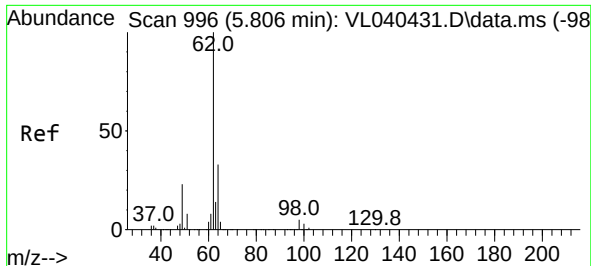
Tgt Ion:117 Resp: 1869688
Ion Ratio Lower Upper
117 100
119 95.5 78.0 117.0
121 31.4 25.2 37.8



#36
Benzene
Concen: 10.353 ppbv
RT: 6.391 min Scan# 1178
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion: 78 Resp: 2235419
Ion Ratio Lower Upper
78 100
77 22.9 17.7 26.5
50 19.9 15.8 23.8

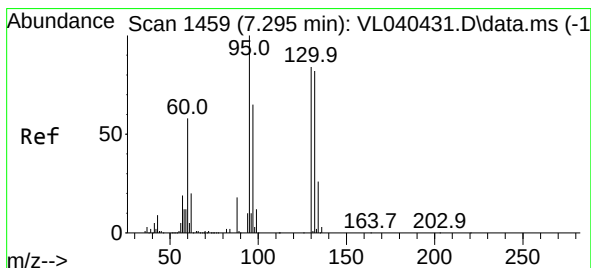
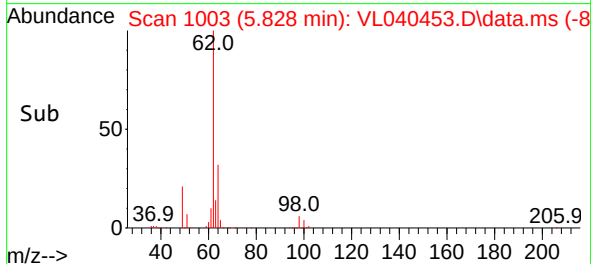
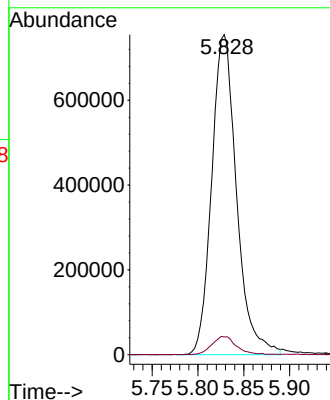
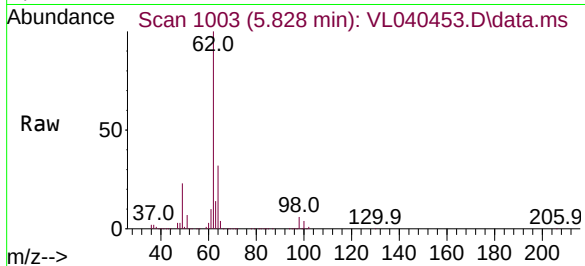




#37
1,2-Dichloroethane
Concen: 10.102 ppbv
RT: 5.828 min Scan# 10
Delta R.T. 0.010 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

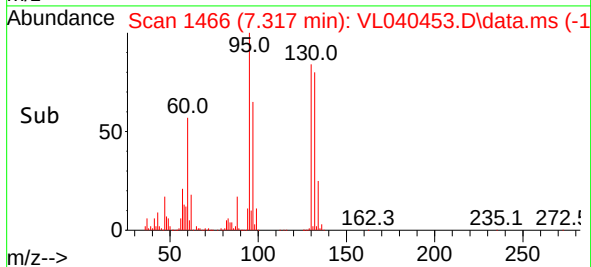
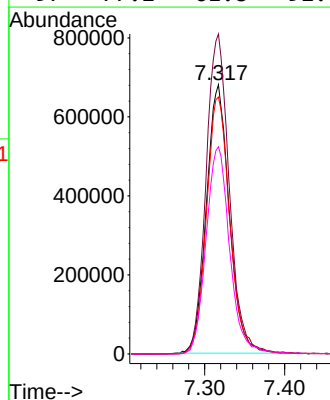
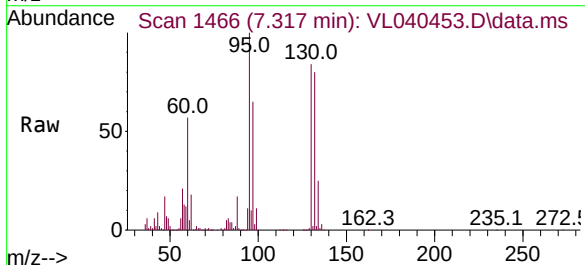
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

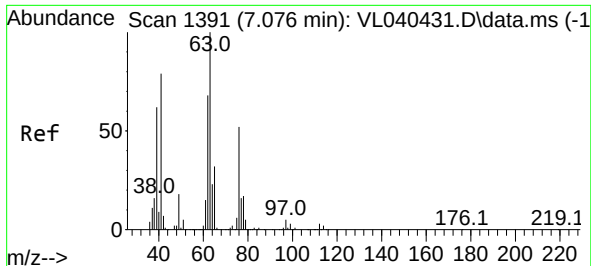
Tgt Ion: 62 Resp: 1425332
Ion Ratio Lower Upper
62 100
98 5.8 4.5 6.7



#38
Trichloroethene
Concen: 10.189 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion:130 Resp: 1355477
Ion Ratio Lower Upper
130 100
95 119.1 94.8 142.2
132 95.6 78.2 117.4
97 77.2 61.8 92.8





#39

1,2-Dichloropropane

Concen: 10.079 ppbv

RT: 7.099 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

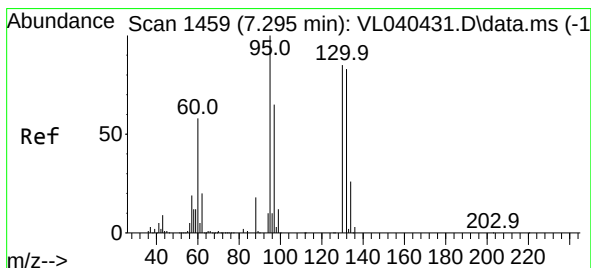
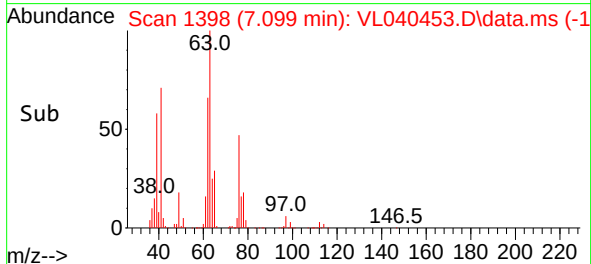
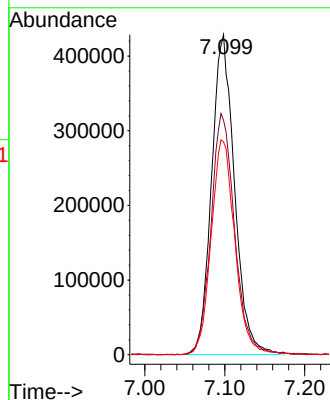
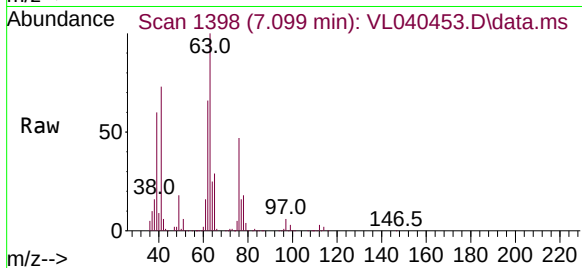
Tgt Ion: 63 Resp: 852520

Ion Ratio Lower Upper

63 100

41 73.2 63.3 94.9

62 66.5 54.2 81.4



#40

1,4-Dioxane

Concen: 10.305 ppbv

RT: 7.314 min Scan# 1465

Delta R.T. 0.010 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Tgt Ion: 88 Resp: 331551

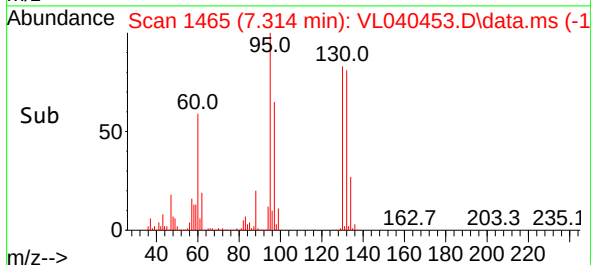
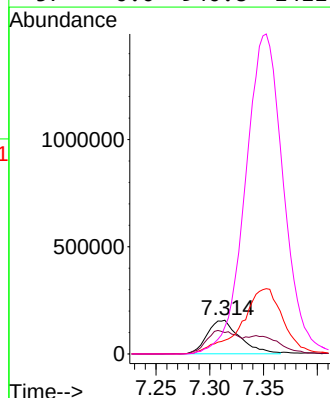
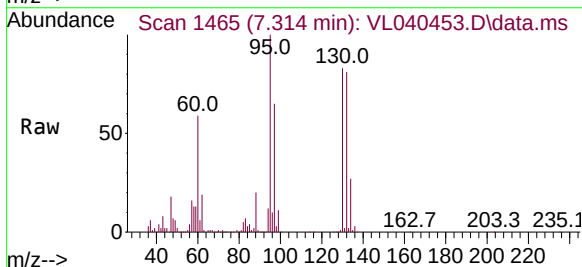
Ion Ratio Lower Upper

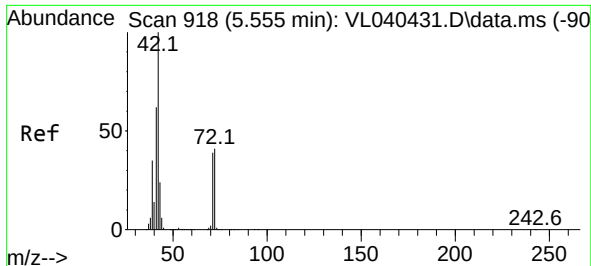
88 100

58 123.7 101.5 152.3

43 0.0 211.7 317.5#

57 0.0 940.8 1411.2#





#41

Tetrahydrofuran

Concen: 10.842 ppbv

RT: 5.574 min Scan# 918

Delta R.T. 0.007 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

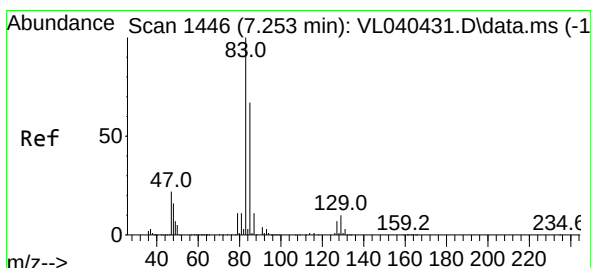
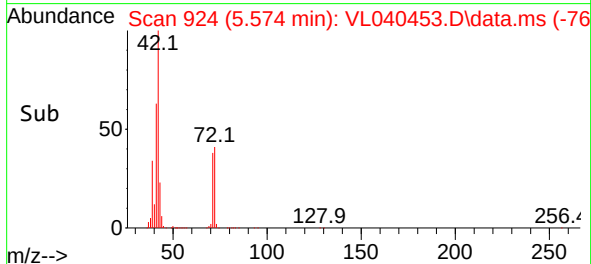
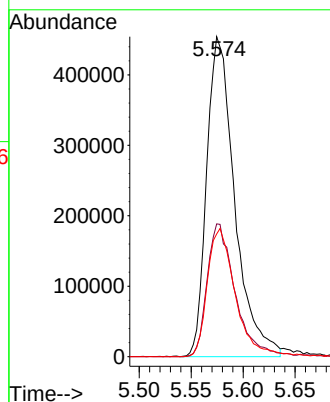
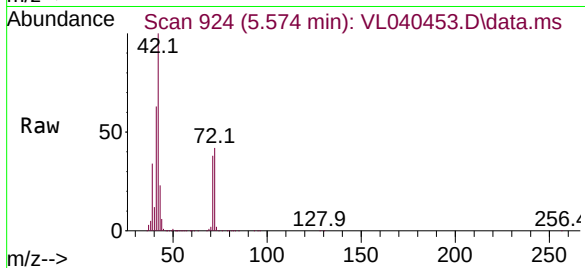
Tgt Ion: 42 Resp: 851539

Ion Ratio Lower Upper

42 100

72 42.1 33.0 49.4

71 40.5 32.2 48.2



#42

Bromodichloromethane

Concen: 10.480 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.010 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

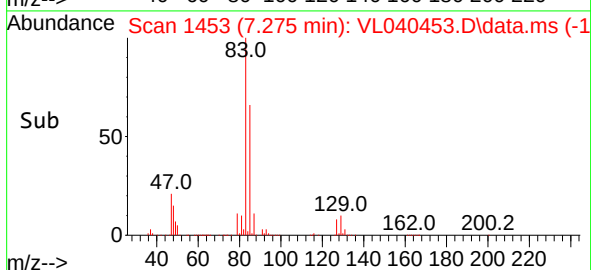
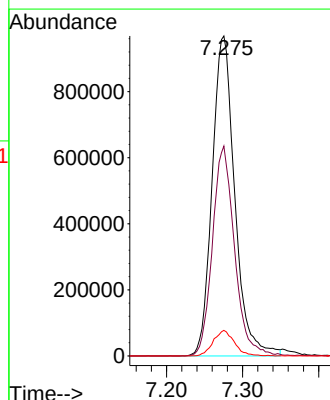
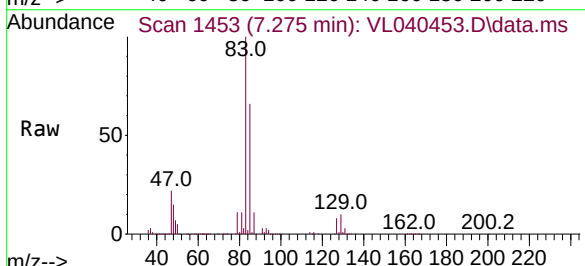
Tgt Ion: 83 Resp: 2001456

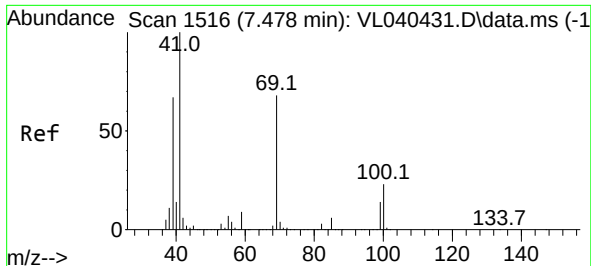
Ion Ratio Lower Upper

83 100

85 65.6 53.6 80.4

127 8.0 5.9 8.9





#43

Methyl Methacrylate

Concen: 11.194 ppbv

RT: 7.497 min Scan# 1

Delta R.T. 0.007 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

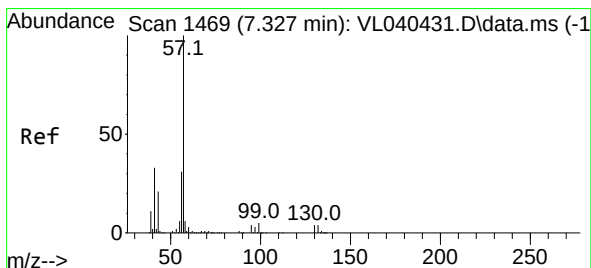
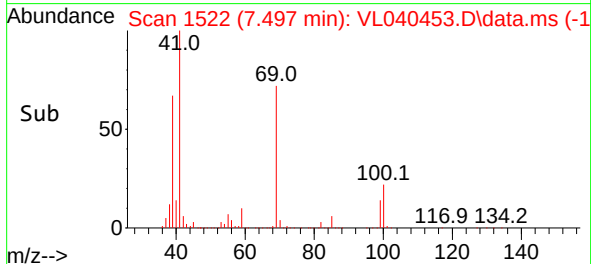
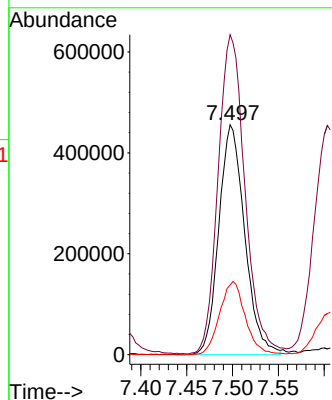
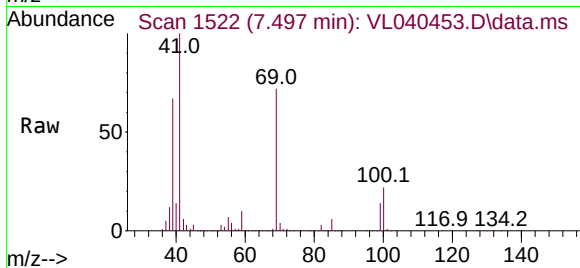
Tgt Ion: 69 Resp: 894197

Ion Ratio Lower Upper

69 100

41 144.5 114.8 172.2

100 31.6 25.4 38.0



#44

2,2,4-Trimethylpentane

Concen: 10.317 ppbv

RT: 7.353 min Scan# 1477

Delta R.T. 0.010 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

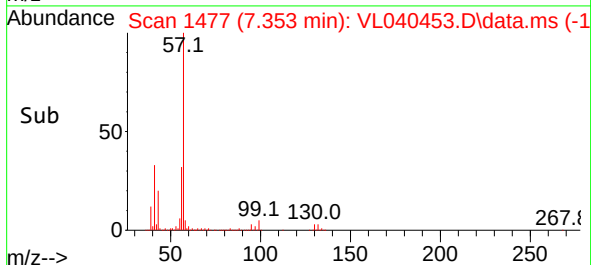
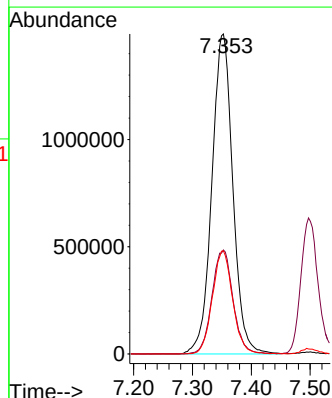
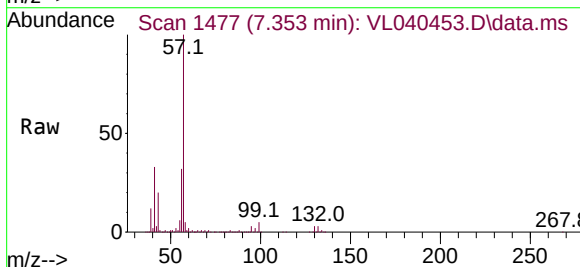
Tgt Ion: 57 Resp: 3686457

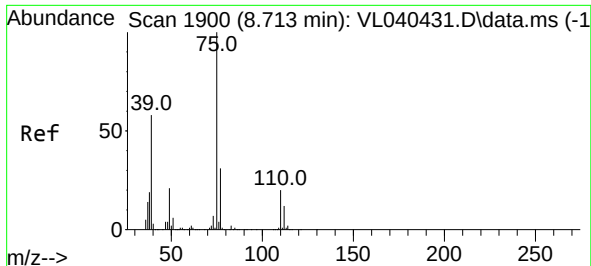
Ion Ratio Lower Upper

57 100

41 32.7 27.0 40.4

56 31.3 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 12.391 ppbv

RT: 8.735 min Scan# 1900

Delta R.T. 0.007 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

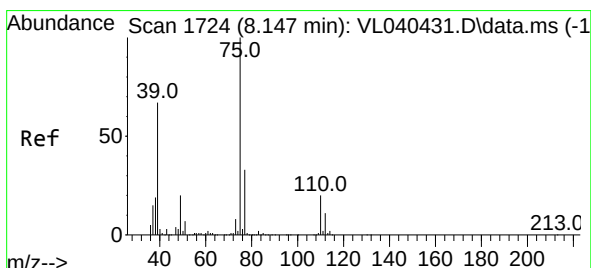
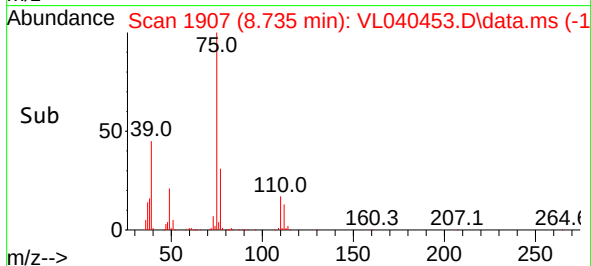
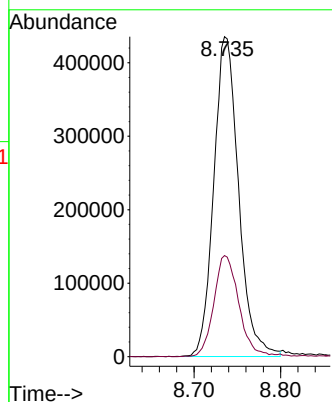
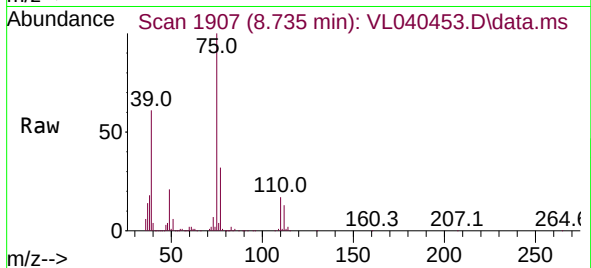
VSTDCCC010EC

Tgt Ion: 75 Resp: 867098

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6



#46

cis-1,3-Dichloropropene

Concen: 11.746 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. 0.007 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

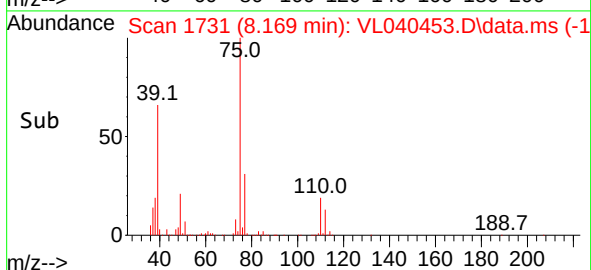
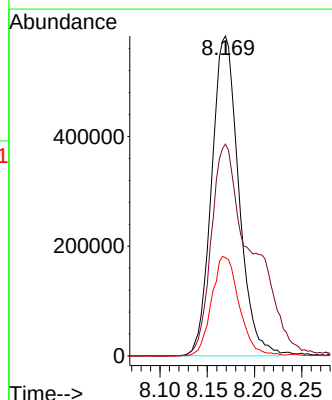
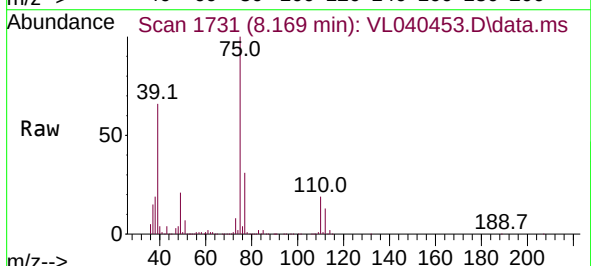
Tgt Ion: 75 Resp: 1161530

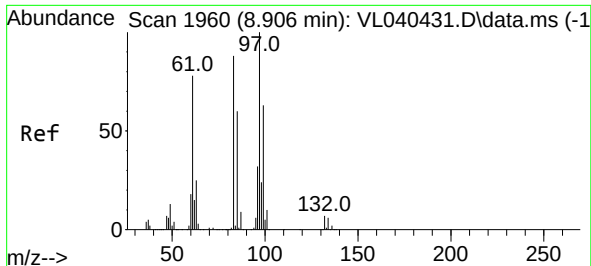
Ion Ratio Lower Upper

75 100

39 66.1 53.8 80.8

77 30.7 26.3 39.5





#47

1,1,2-Trichloroethane

Concen: 10.303 ppbv

RT: 8.925 min Scan# 1960

Delta R.T. 0.003 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 951159

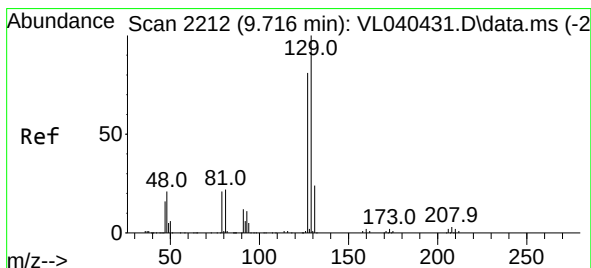
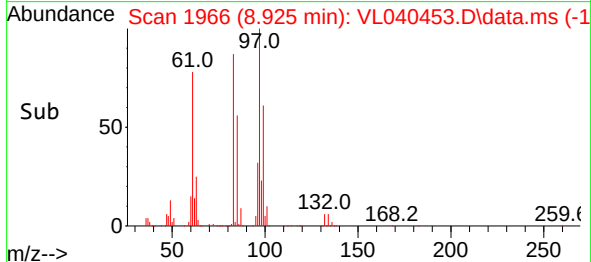
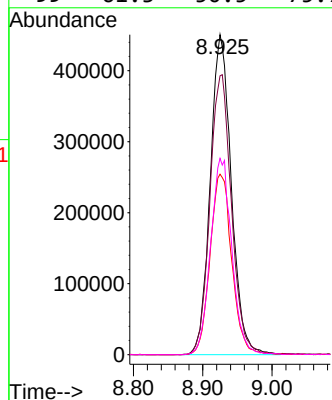
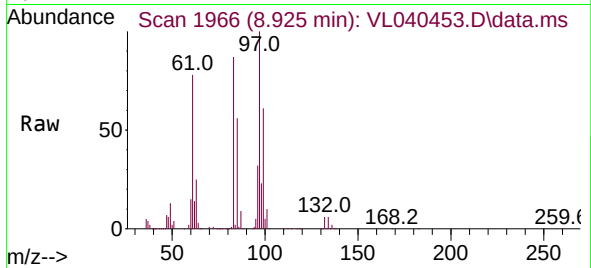
Ion Ratio Lower Upper

97 100

83 87.1 70.3 105.5

85 56.4 47.7 71.5

99 61.3 50.5 75.7



#48

Dibromochloromethane

Concen: 10.917 ppbv

RT: 9.738 min Scan# 2219

Delta R.T. 0.007 min

Lab File: VL040453.D

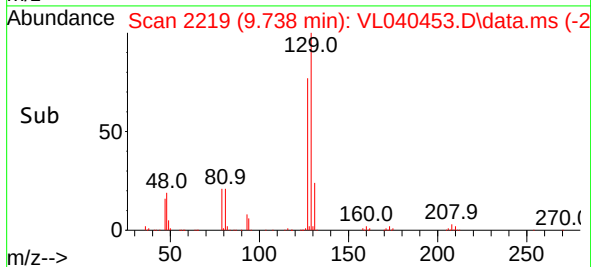
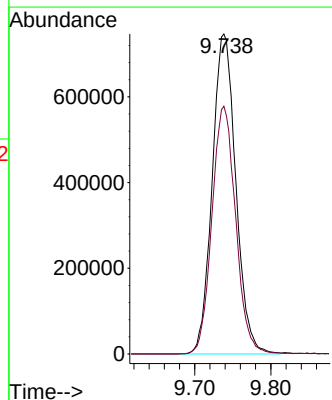
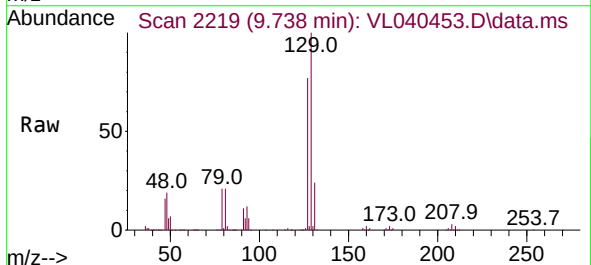
Acq: 17 May 2023 1:17

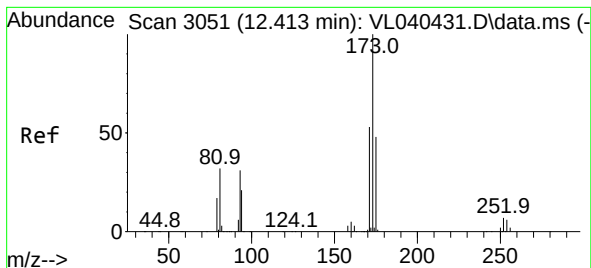
Tgt Ion: 129 Resp: 1609844

Ion Ratio Lower Upper

129 100

127 77.9 39.2 117.6





#49

Bromoform

Concen: 11.084 ppbv

RT: 12.436 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

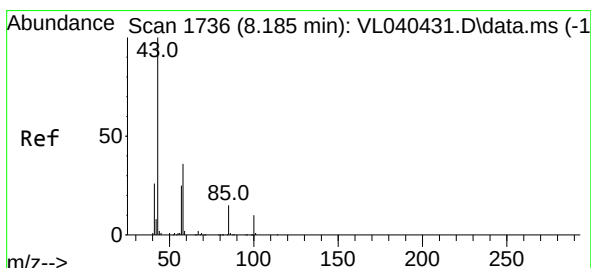
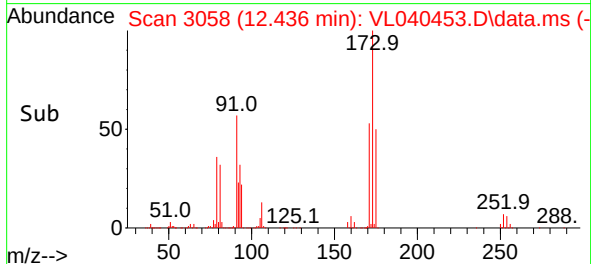
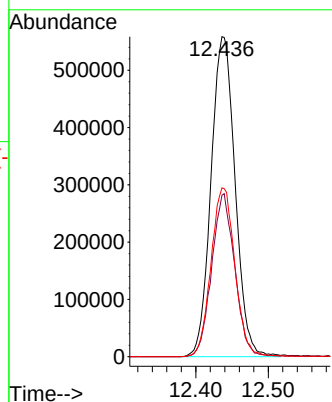
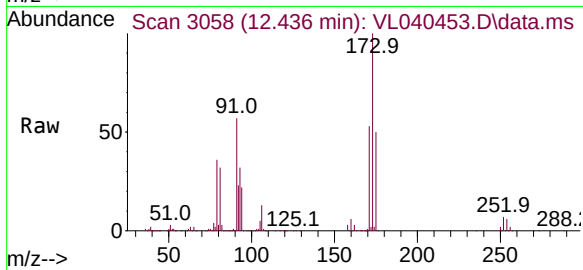
Tgt Ion:173 Resp: 1289472

Ion Ratio Lower Upper

173 100

175 48.8 39.4 59.2

171 52.5 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 10.600 ppbv

RT: 8.208 min Scan# 1743

Delta R.T. 0.010 min

Lab File: VL040453.D

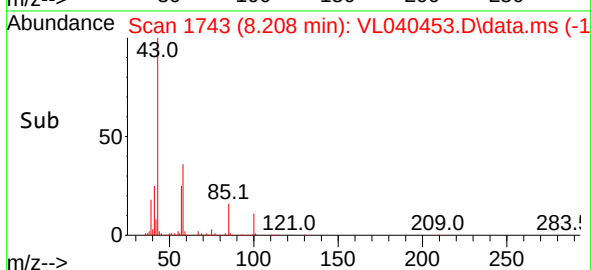
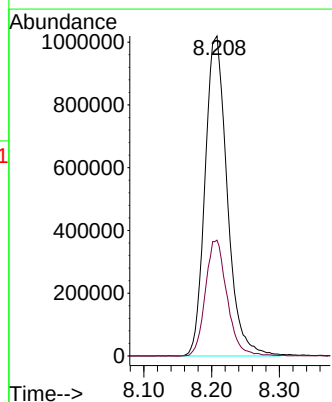
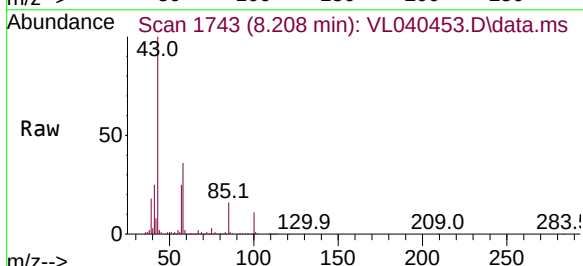
Acq: 17 May 2023 1:17

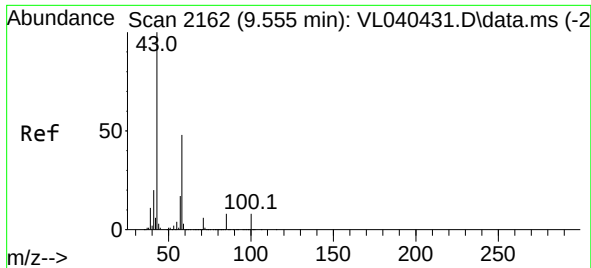
Tgt Ion: 43 Resp: 2317635

Ion Ratio Lower Upper

43 100

58 35.7 28.8 43.2

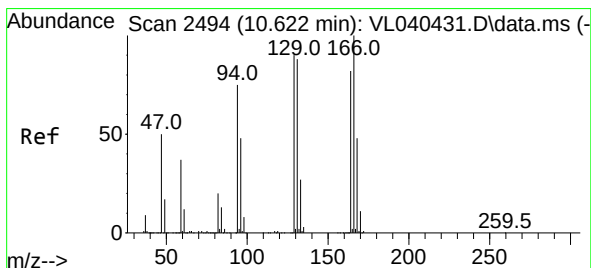
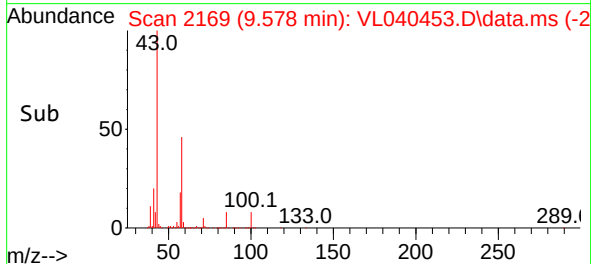
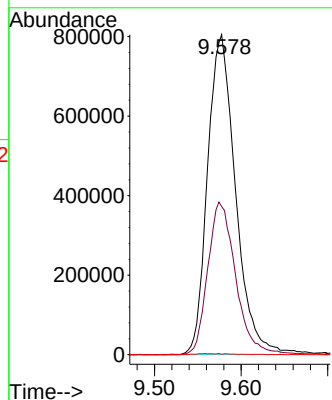
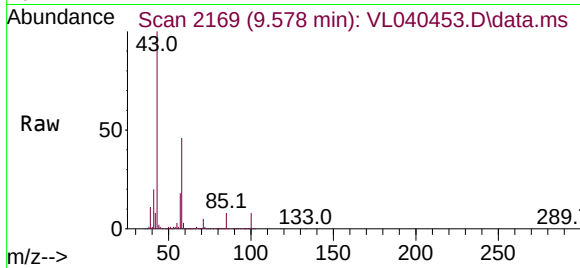




#51
2-Hexanone
Concen: 11.144 ppbv
RT: 9.578 min Scan# 2162
Delta R.T. 0.010 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

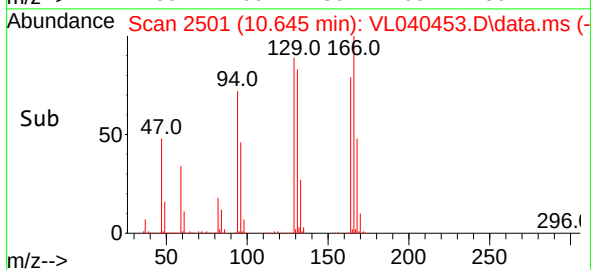
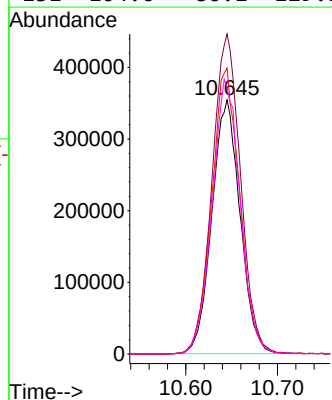
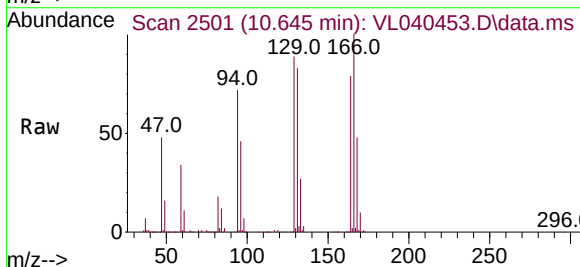
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

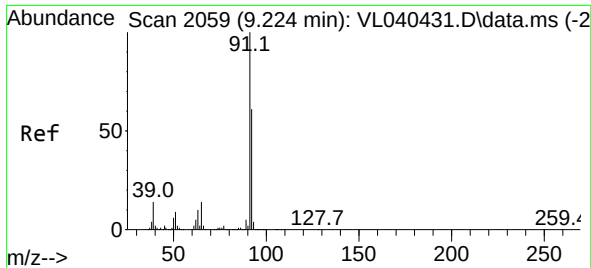
Tgt Ion: 43 Resp: 1794813
Ion Ratio Lower Upper
43 100
58 48.1 38.5 57.7
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.293 ppbv
RT: 10.645 min Scan# 2501
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion: 164 Resp: 754762
Ion Ratio Lower Upper
164 100
166 125.8 97.8 146.6
129 112.1 88.4 132.6
131 104.6 86.1 129.1

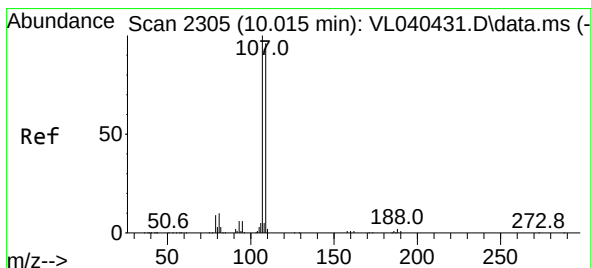
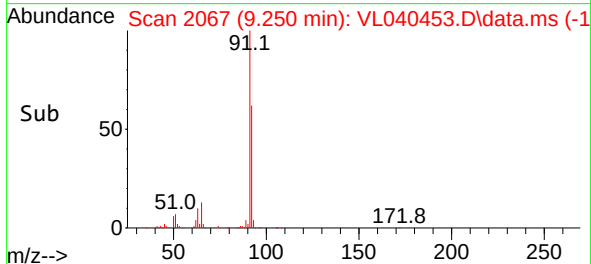
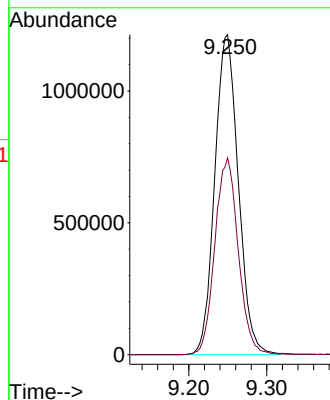
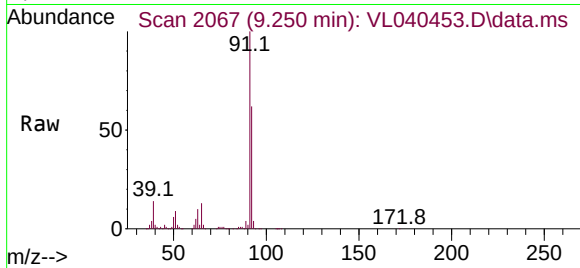




#53
Toluene
Concen: 11.193 ppbv
RT: 9.250 min Scan# 2059
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

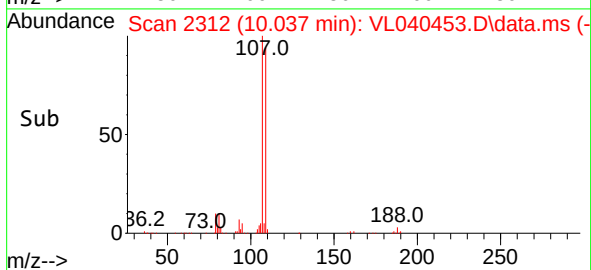
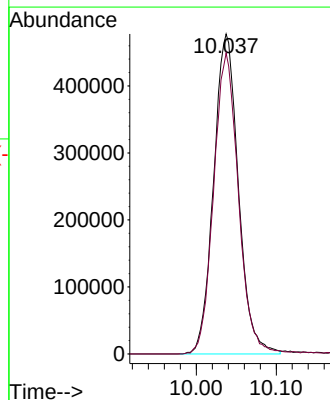
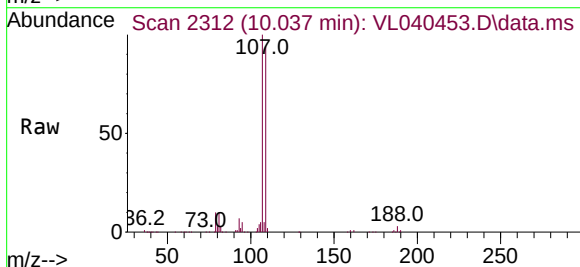
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

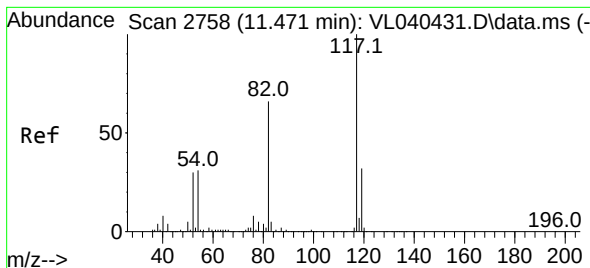
Tgt Ion: 91 Resp: 2552778
Ion Ratio Lower Upper
91 100
92 61.1 49.1 73.7



#54
1,2-Dibromoethane
Concen: 11.117 ppbv
RT: 10.037 min Scan# 2312
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion: 107 Resp: 1025635
Ion Ratio Lower Upper
107 100
109 93.9 76.7 115.1

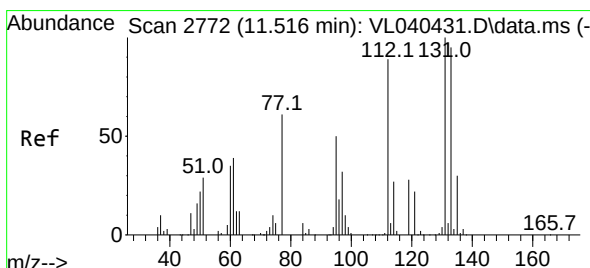
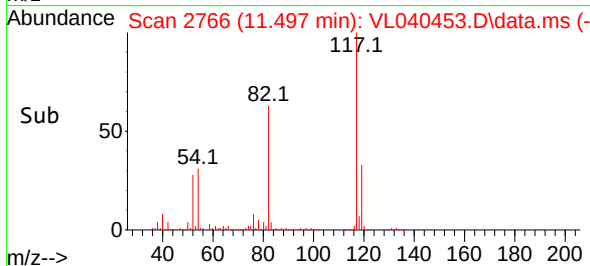
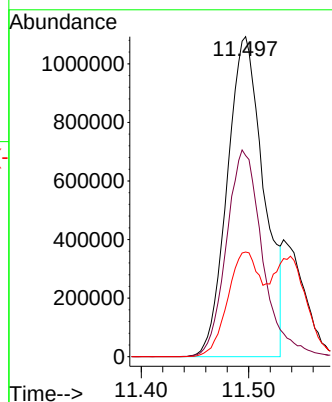
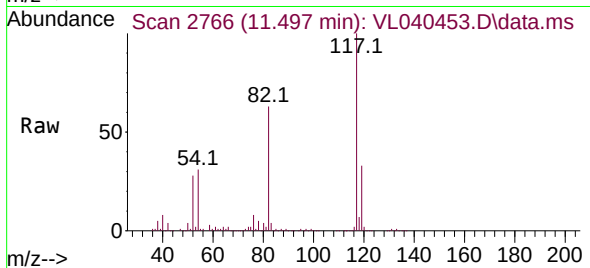




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.497 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

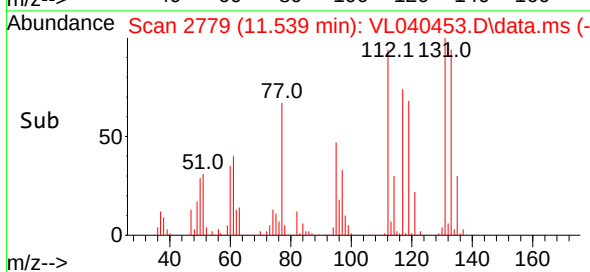
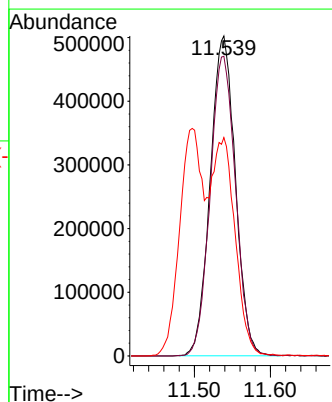
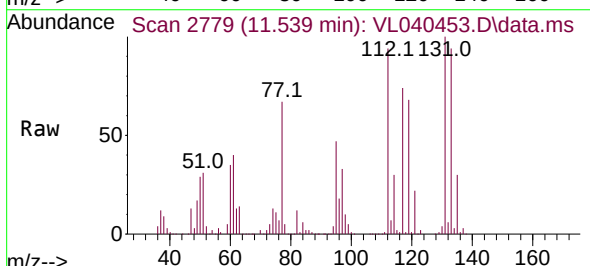
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

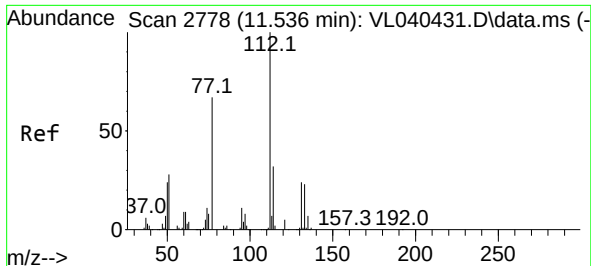
Tgt Ion:117 Resp: 2581687
Ion Ratio Lower Upper
117 100
82 64.5 52.5 78.7
119 28.3 24.0 36.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.632 ppbv
RT: 11.539 min Scan# 2779
Delta R.T. 0.010 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion:131 Resp: 1151671
Ion Ratio Lower Upper
131 100
133 95.1 75.8 113.8
119 64.9 48.7 73.1

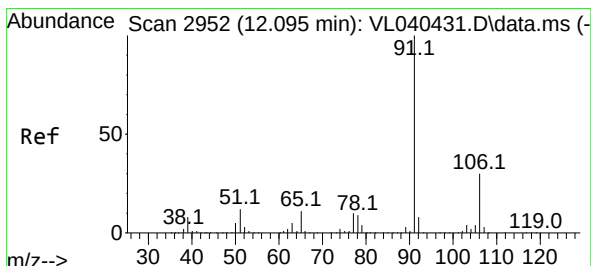
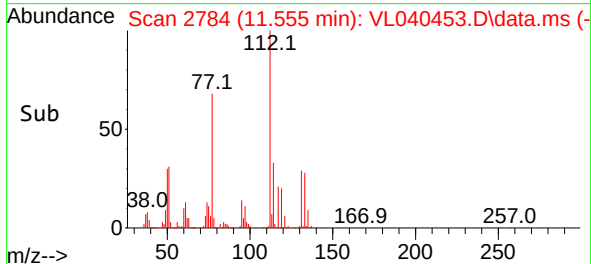
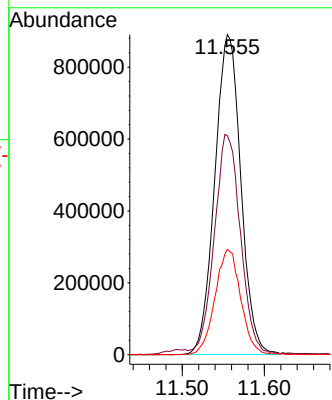
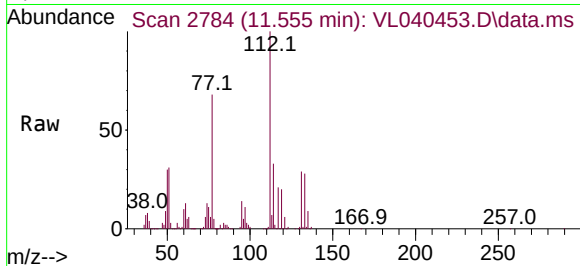




#57
Chlorobenzene
Concen: 9.466 ppbv
RT: 11.555 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

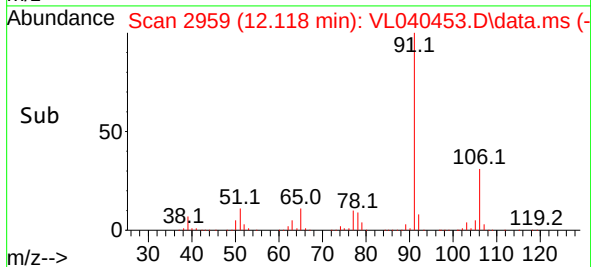
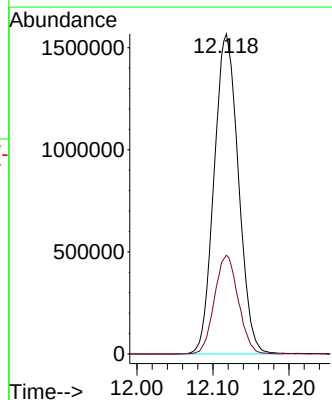
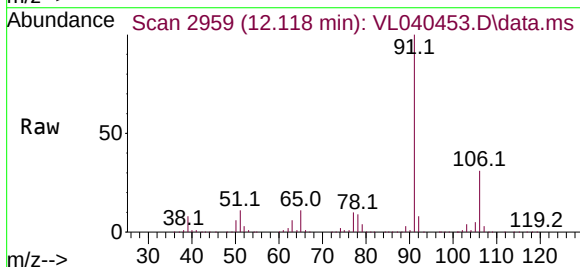
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

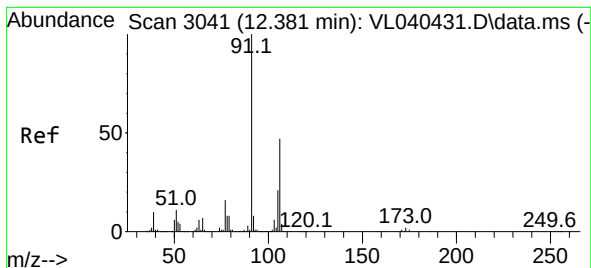
Tgt Ion:112 Resp: 1967576
Ion Ratio Lower Upper
112 100
77 68.2 54.7 82.1
114 32.9 29.0 35.4



#58
Ethyl Benzene
Concen: 10.661 ppbv
RT: 12.118 min Scan# 2959
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion: 91 Resp: 3483160
Ion Ratio Lower Upper
91 100
106 30.9 23.8 35.8





#59

m/p-Xylene

Concen: 9.845 ppbv

RT: 12.401 min Scan# 3041

Delta R.T. 0.003 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

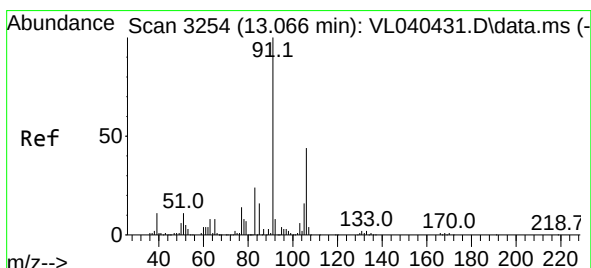
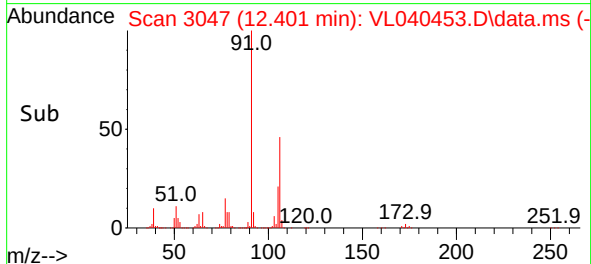
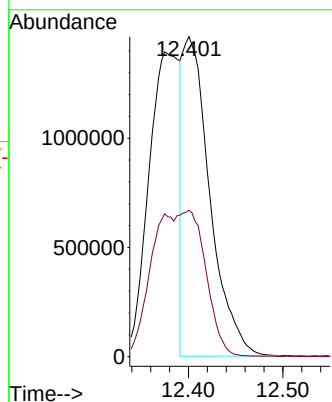
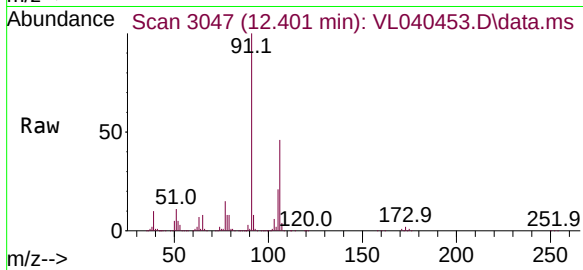
VSTDCCC010EC

Tgt Ion: 91 Resp: 2933952

Ion Ratio Lower Upper

91 100

106 89.6 34.9 52.3#



#60

o-Xylene

Concen: 10.278 ppbv

RT: 13.085 min Scan# 3260

Delta R.T. 0.003 min

Lab File: VL040453.D

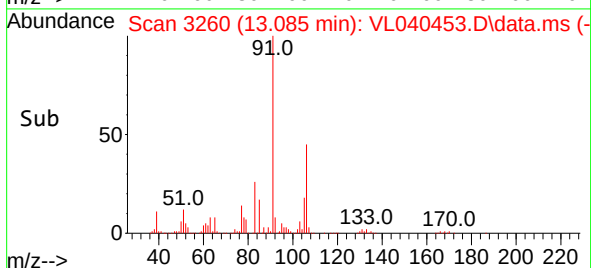
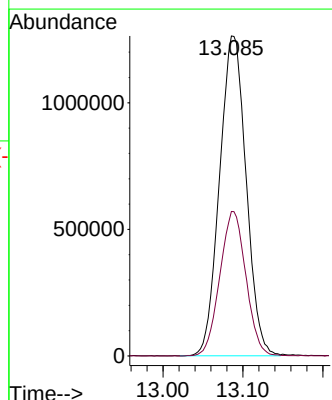
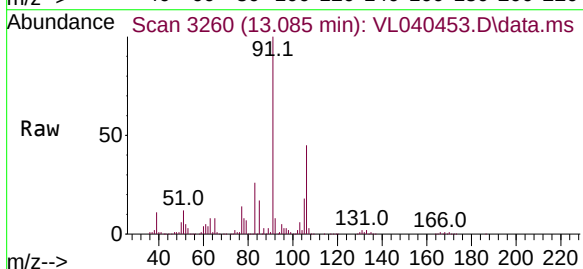
Acq: 17 May 2023 1:17

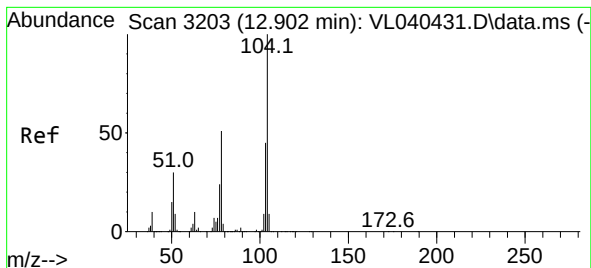
Tgt Ion: 91 Resp: 2915028

Ion Ratio Lower Upper

91 100

106 44.5 21.8 65.4





#61

Styrene

Concen: 11.733 ppbv

RT: 12.928 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

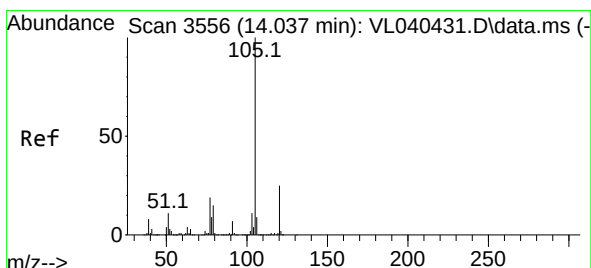
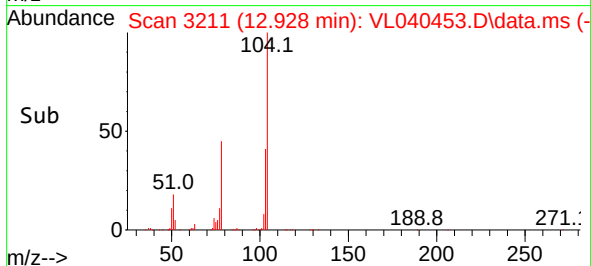
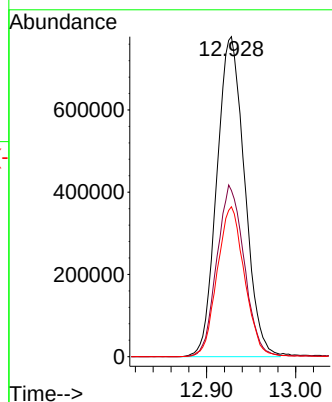
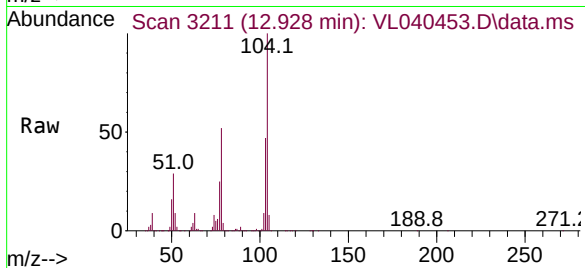
Tgt Ion:104 Resp: 1685517

Ion Ratio Lower Upper

104 100

78 53.1 43.3 64.9

103 46.3 37.4 56.2



#62

Isopropylbenzene

Concen: 9.853 ppbv

RT: 14.060 min Scan# 3563

Delta R.T. 0.003 min

Lab File: VL040453.D

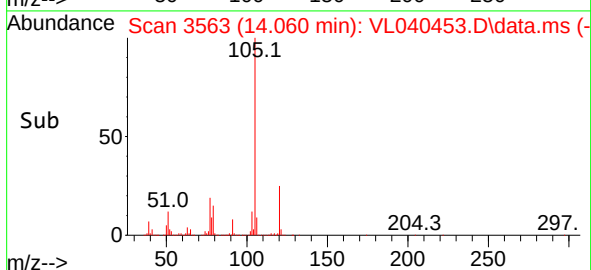
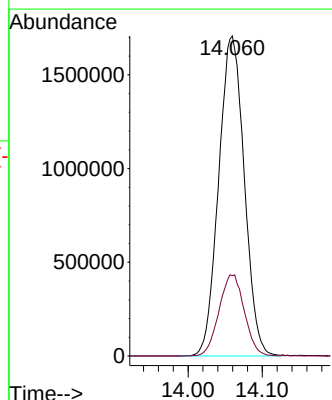
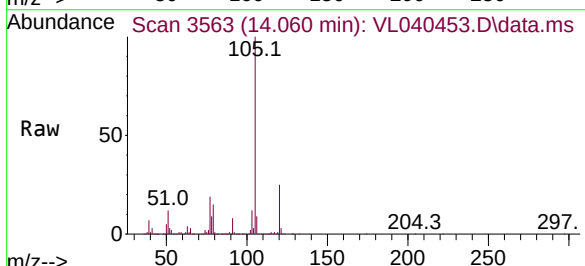
Acq: 17 May 2023 1:17

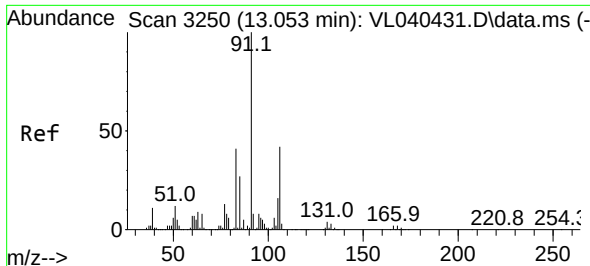
Tgt Ion:105 Resp: 4084381

Ion Ratio Lower Upper

105 100

120 25.2 20.0 30.0

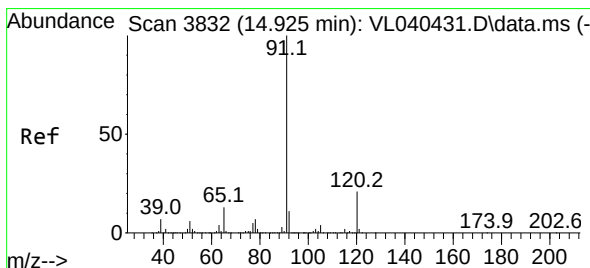
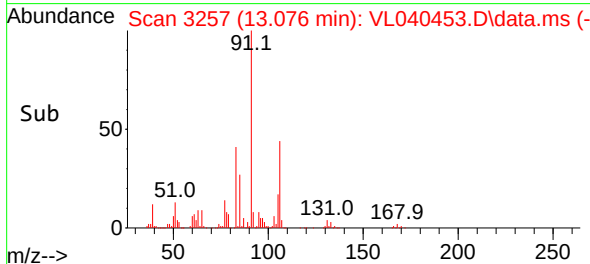
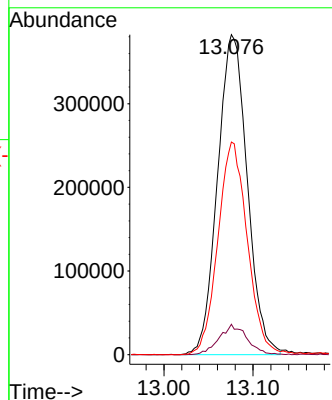
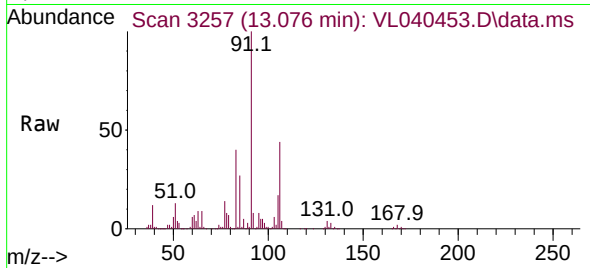




#63
1,1,2,2-Tetrachloroethane
Concen: 8.660 ppbv
RT: 13.076 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

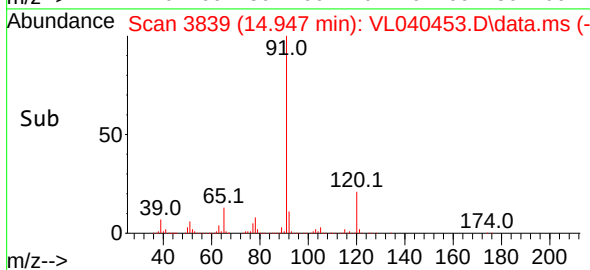
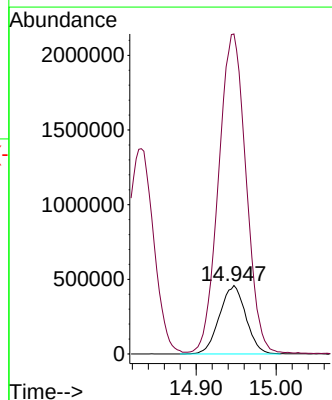
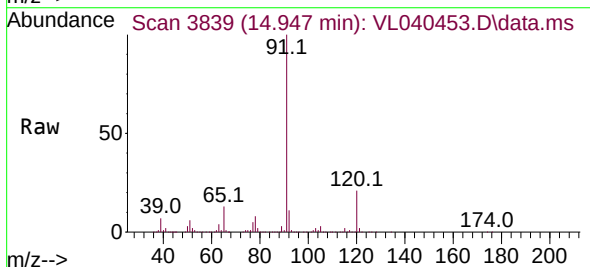
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010EC

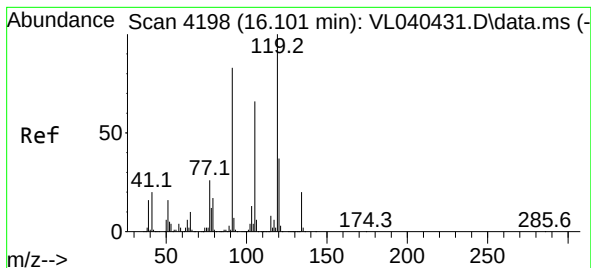
Tgt Ion: 83 Resp: 885975
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.5
85 66.0 33.0 99.0



#64
n-propylbenzene
Concen: 10.236 ppbv
RT: 14.947 min Scan# 3839
Delta R.T. 0.003 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion:120 Resp: 1046914
Ion Ratio Lower Upper
120 100
91 491.7 393.2 589.8

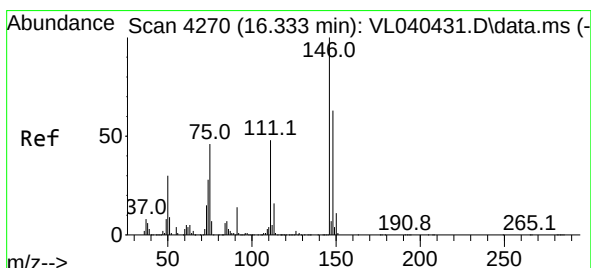
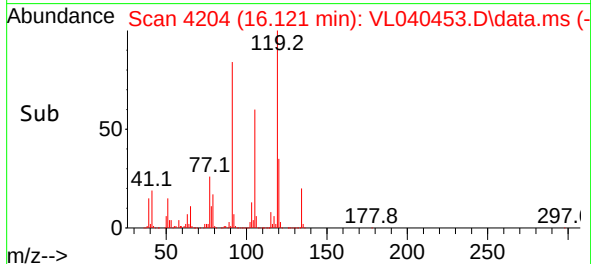
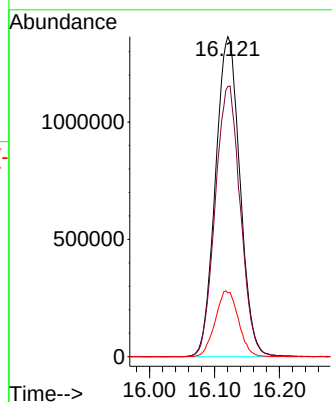
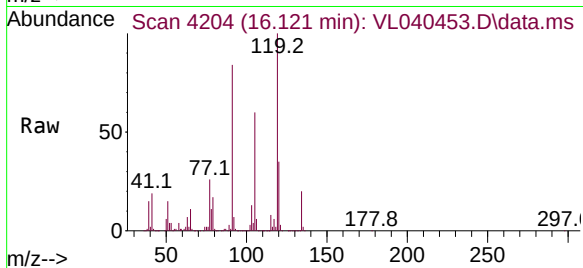




#65
tert-Butylbenzene
Concen: 9.814 ppbv
RT: 16.121 min Scan# 4198
Delta R.T. 0.003 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

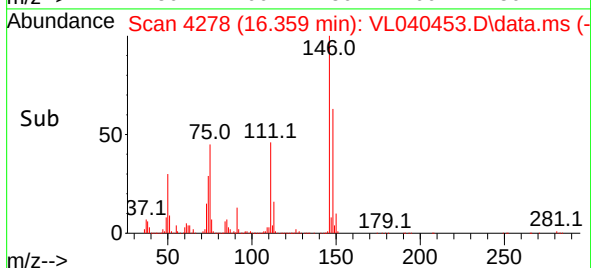
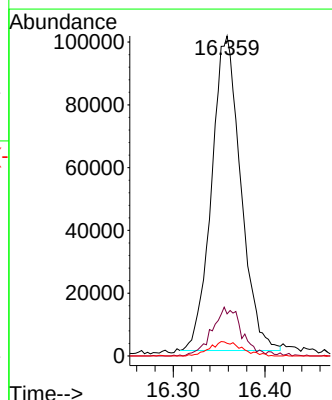
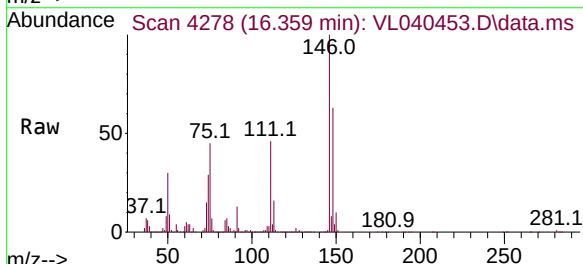
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

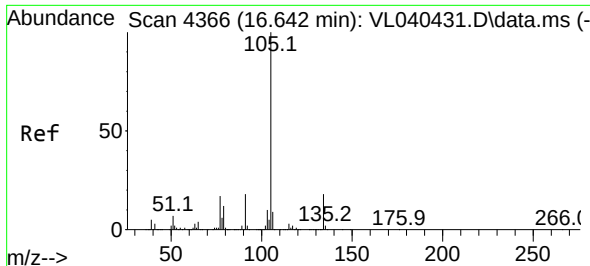
Tgt Ion:119 Resp: 3568122
Ion Ratio Lower Upper
119 100
91 86.9 69.8 104.6
134 19.5 15.4 23.2



#66
Benzyl Chloride
Concen: 10.272 ppbv
RT: 16.359 min Scan# 4278
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion: 91 Resp: 221584
Ion Ratio Lower Upper
91 100
126 16.1 12.6 19.0
128 5.0 3.9 5.9





#67

sec-Butylbenzene

Concen: 9.734 ppbv

RT: 16.664 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

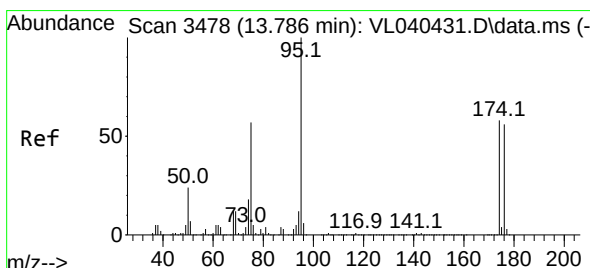
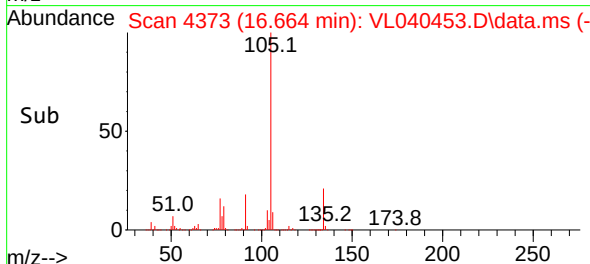
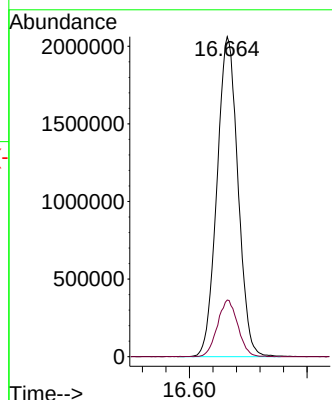
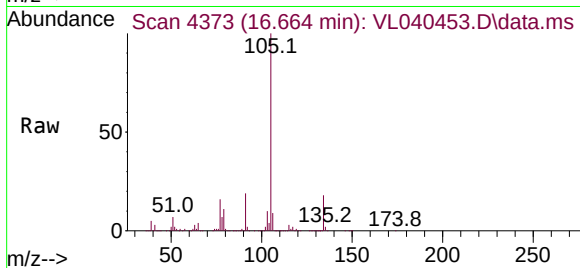
VSTDCCC010EC

Tgt Ion:105 Resp: 5096493

Ion Ratio Lower Upper

105 100

134 17.3 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.706 ppbv

RT: 13.806 min Scan# 3484

Delta R.T. 0.007 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

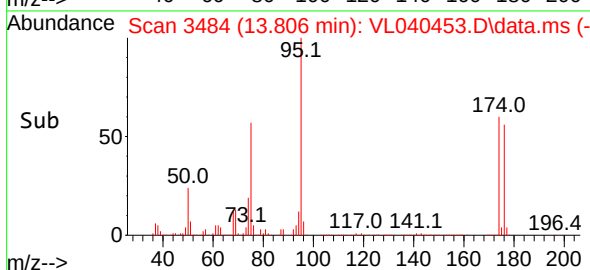
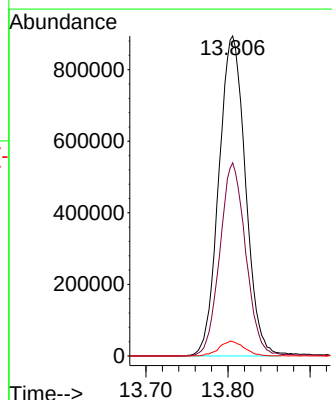
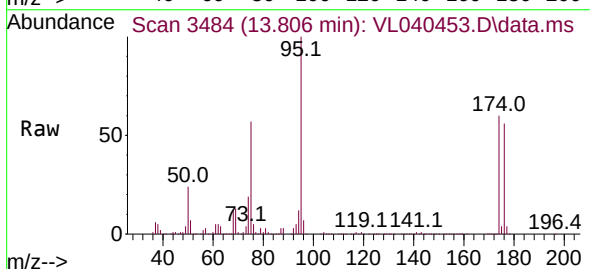
Tgt Ion: 95 Resp: 2014944

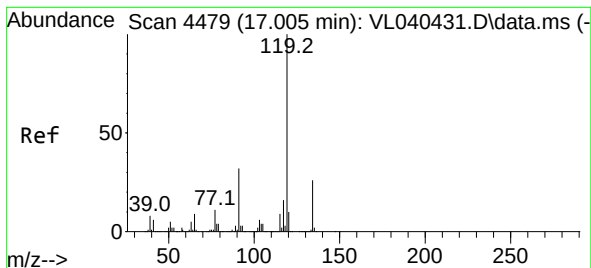
Ion Ratio Lower Upper

95 100

174 59.3 47.0 70.6

175 4.4 3.4 5.0





#69

p-Isopropyltoluene

Concen: 9.936 ppbv

RT: 17.024 min Scan# 4479

Delta R.T. 0.003 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

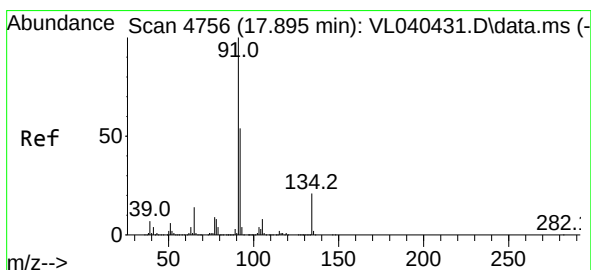
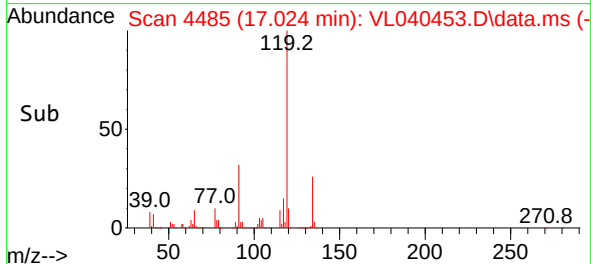
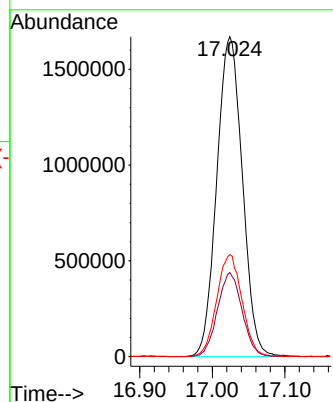
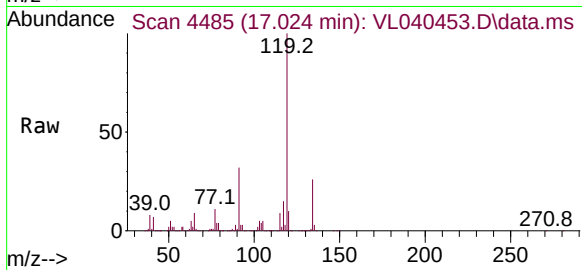
Tgt Ion:119 Resp: 4086552

Ion Ratio Lower Upper

119 100

134 25.4 20.2 30.4

91 31.5 25.4 38.0



#70

n-Butylbenzene

Concen: 9.750 ppbv

RT: 17.915 min Scan# 4762

Delta R.T. 0.003 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

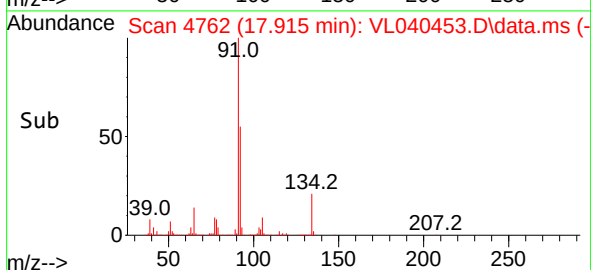
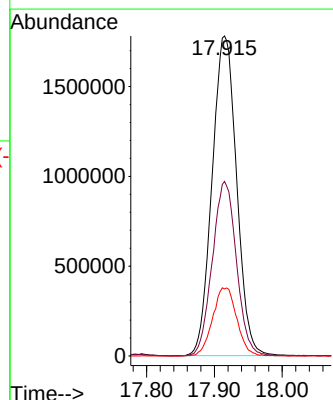
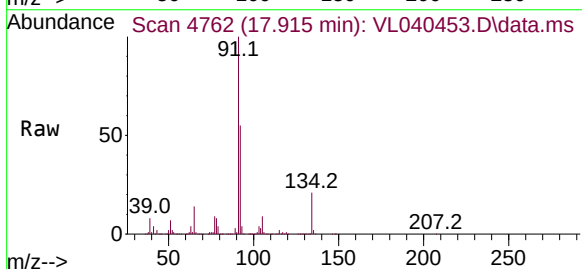
Tgt Ion: 91 Resp: 4469154

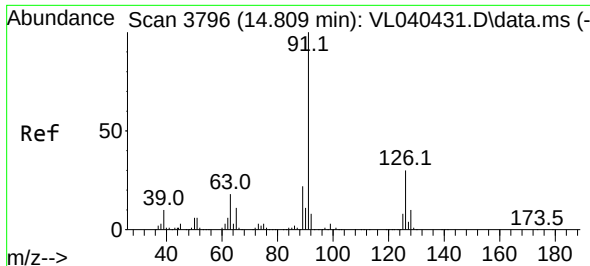
Ion Ratio Lower Upper

91 100

92 53.7 43.2 64.8

134 21.1 16.9 25.3

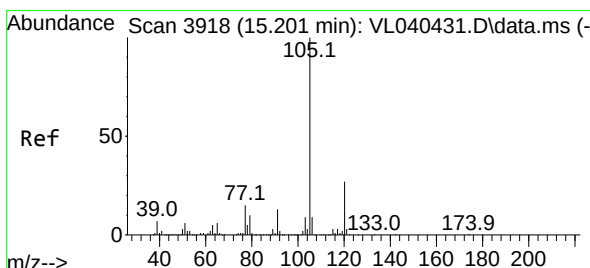
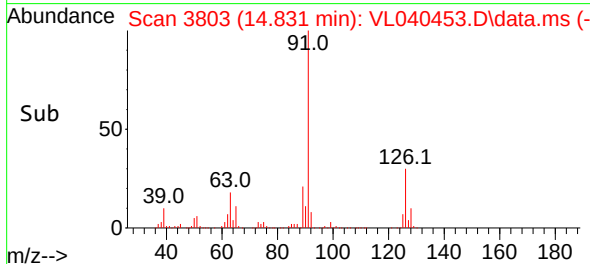
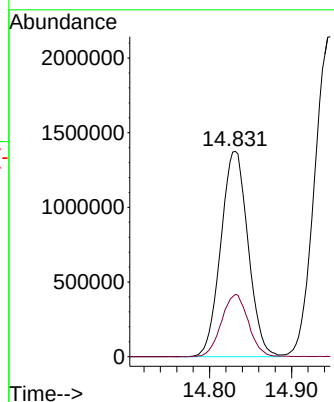
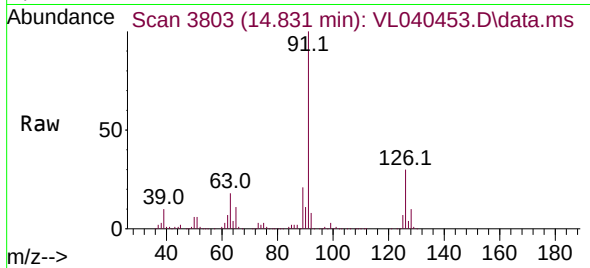




#71
2-Chlorotoluene
Concen: 10.087 ppbv
RT: 14.831 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

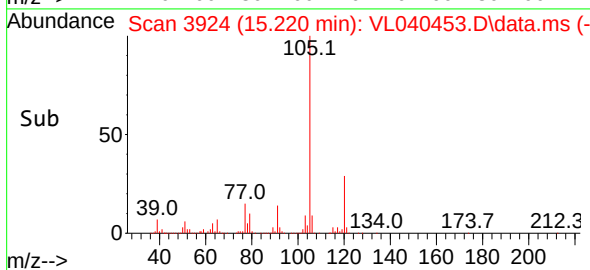
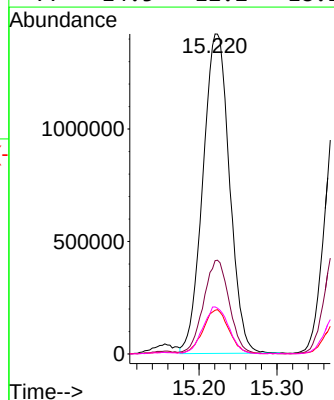
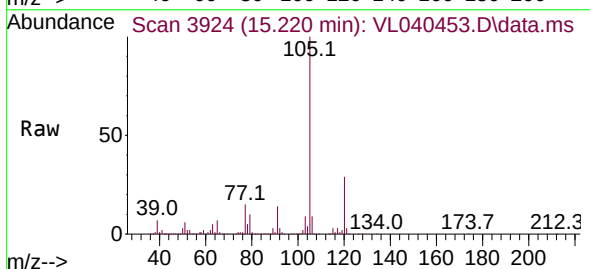
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

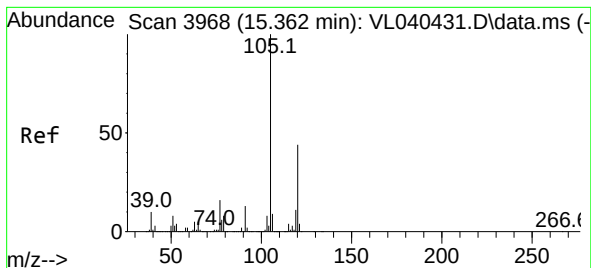
Tgt Ion: 91 Resp: 3181379
Ion Ratio Lower Upper
91 100
126 29.9 12.0 48.0



#72
4-Ethyltoluene
Concen: 10.474 ppbv
RT: 15.220 min Scan# 3924
Delta R.T. 0.000 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion: 105 Resp: 3368446
Ion Ratio Lower Upper
105 100
120 29.3 23.8 35.8
91 14.3 11.0 16.4
77 14.5 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 10.076 ppbv

RT: 15.381 min Scan# 3968

Delta R.T. 0.007 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

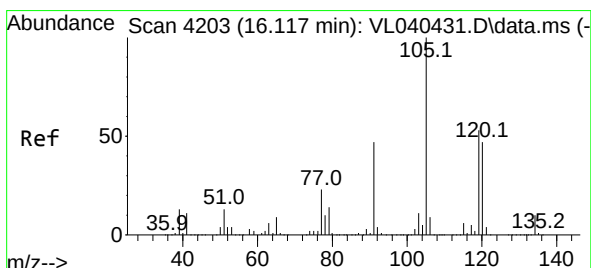
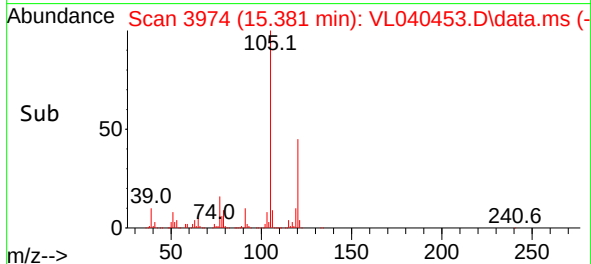
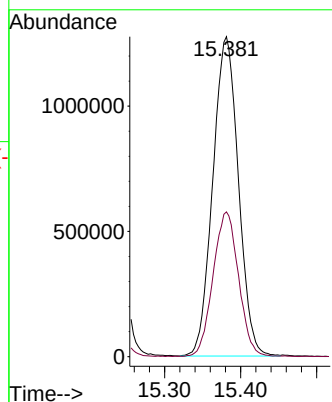
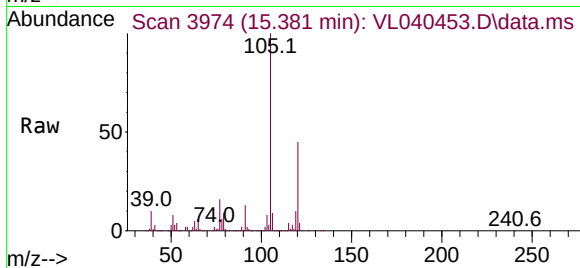
VSTDCCC010EC

Tgt Ion:105 Resp: 2974746

Ion Ratio Lower Upper

105 100

120 45.2 35.2 52.8



#74

1,2,4-Trimethylbenzene

Concen: 9.594 ppbv

RT: 16.140 min Scan# 4210

Delta R.T. 0.007 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Tgt Ion:105 Resp: 3258781

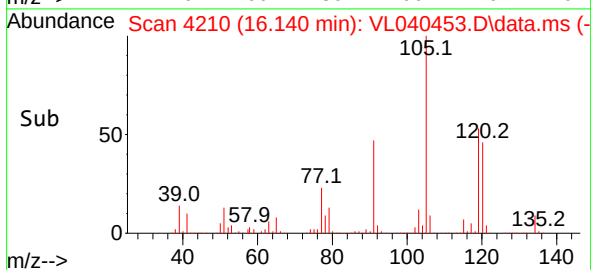
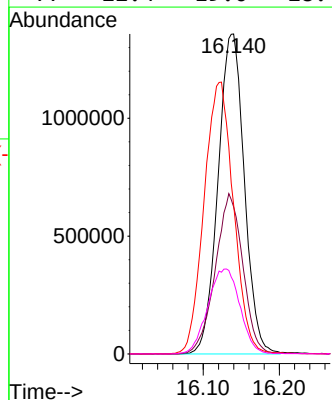
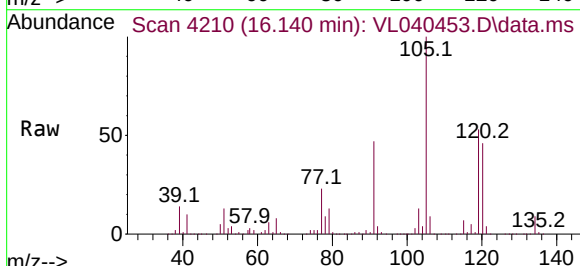
Ion Ratio Lower Upper

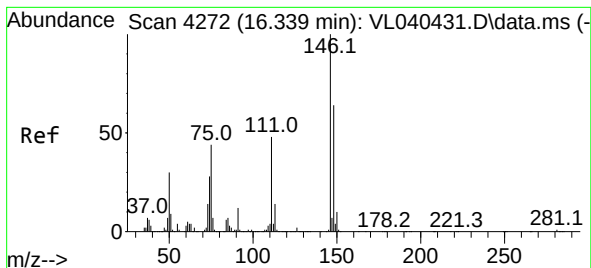
105 100

120 45.8 38.1 57.1

91 46.2 40.2 60.2

77 22.4 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 9.622 ppbv

RT: 16.362 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010EC

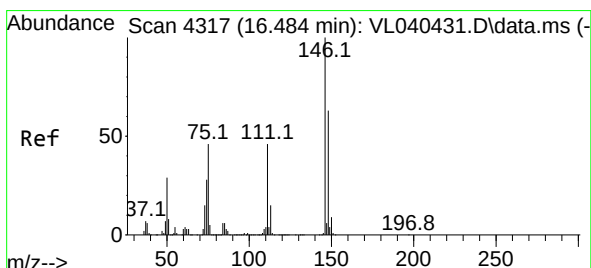
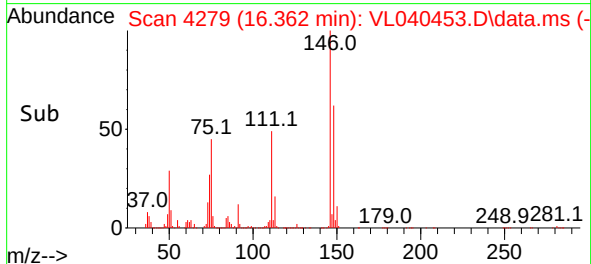
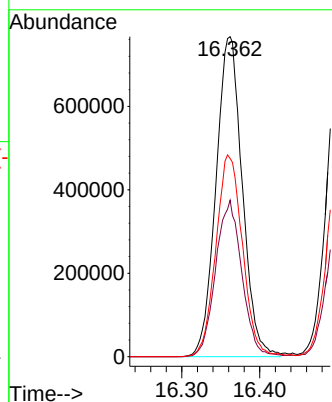
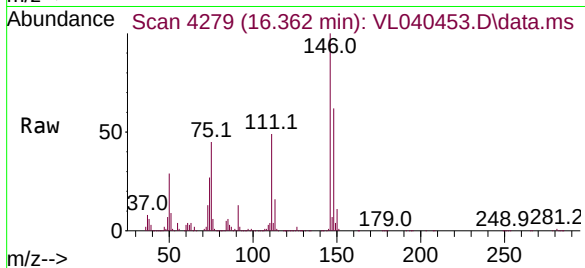
Tgt Ion:146 Resp: 1798170

Ion Ratio Lower Upper

146 100

111 48.7 24.6 74.0

148 63.9 32.1 96.3



#76

1,4-Dichlorobenzene

Concen: 9.721 ppbv

RT: 16.500 min Scan# 4322

Delta R.T. 0.000 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

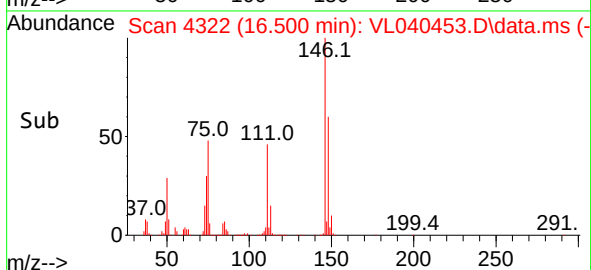
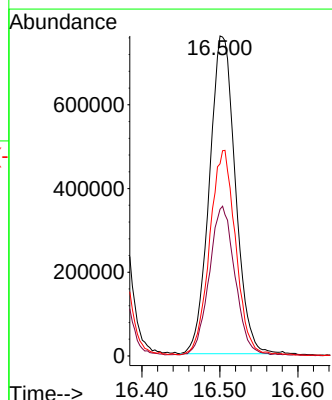
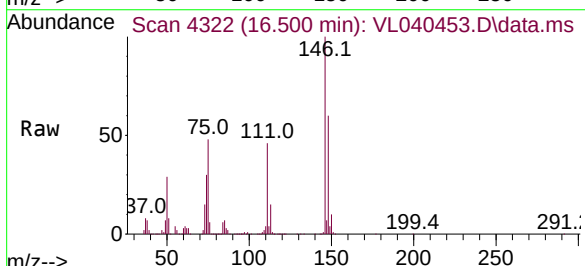
Tgt Ion:146 Resp: 1757044

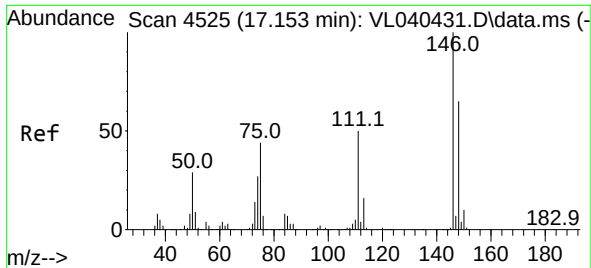
Ion Ratio Lower Upper

146 100

111 47.2 24.0 72.0

148 65.6 32.5 97.4

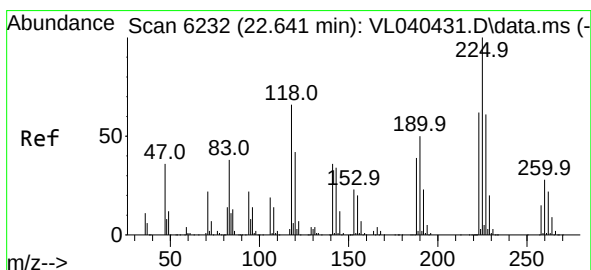
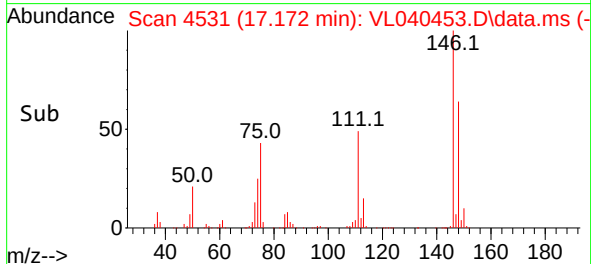
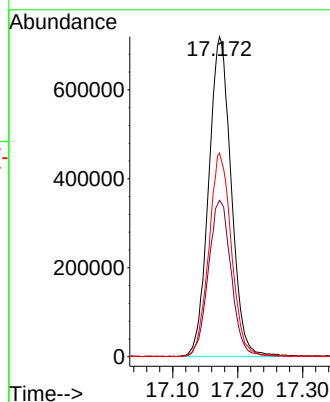
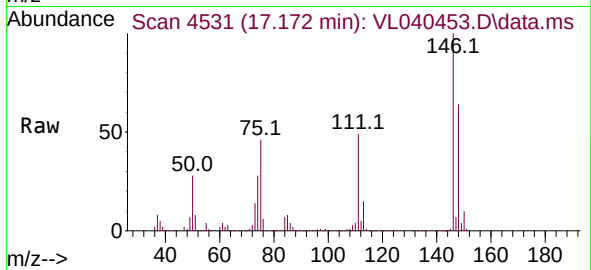




#77
1,2-Dichlorobenzene
Concen: 9.547 ppbv
RT: 17.172 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

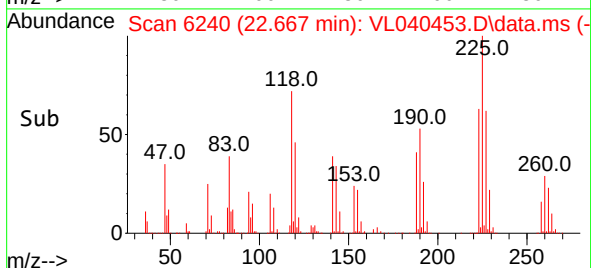
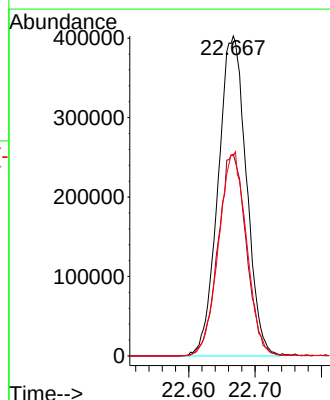
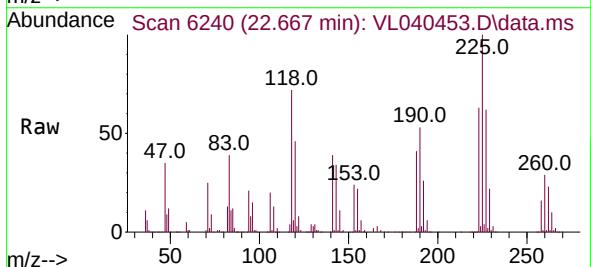
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

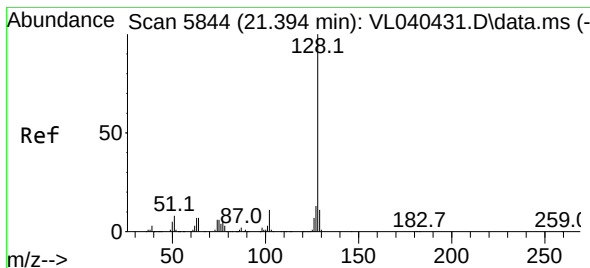
Tgt Ion:146 Resp: 1728535
Ion Ratio Lower Upper
146 100
111 49.7 25.2 75.6
148 63.7 32.1 96.5



#78
Hexachloro-1,3-Butadiene
Concen: 8.799 ppbv
RT: 22.667 min Scan# 6240
Delta R.T. 0.003 min
Lab File: VL040453.D
Acq: 17 May 2023 1:17

Tgt Ion:225 Resp: 1192012
Ion Ratio Lower Upper
225 100
223 63.4 51.2 76.8
227 63.1 51.0 76.6





#79

Naphthalene

Concen: 12.008 ppbv

RT: 21.416 min Scan# 5851

Delta R.T. 0.000 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

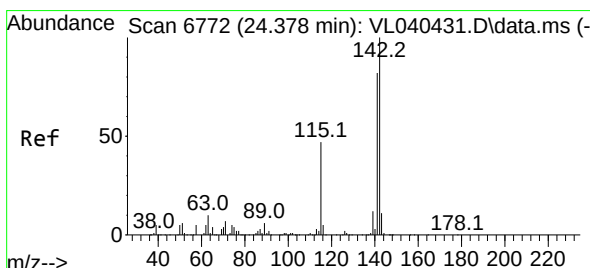
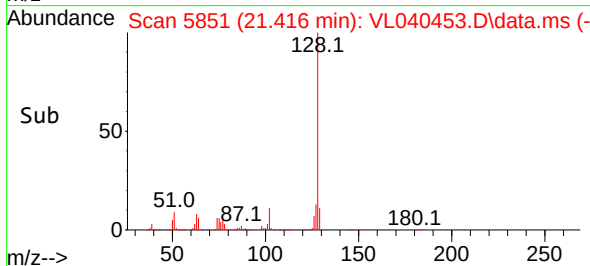
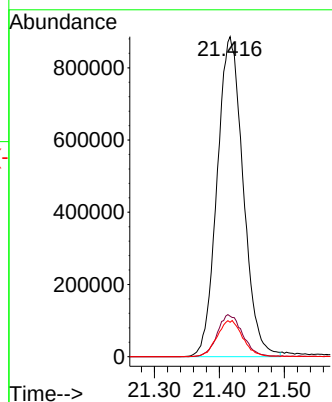
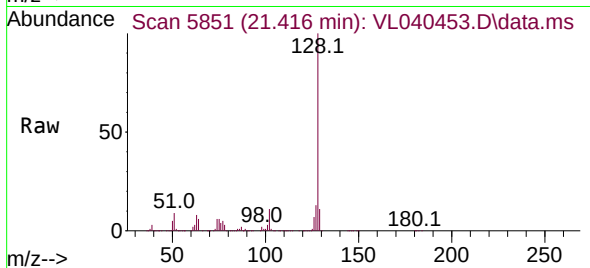
Tgt Ion:128 Resp: 2465927

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.8 9.0 13.6



#80

Naphthalene,2-methyl-

Concen: 13.204 ppbv

RT: 24.397 min Scan# 6778

Delta R.T. 0.000 min

Lab File: VL040453.D

Acq: 17 May 2023 1:17

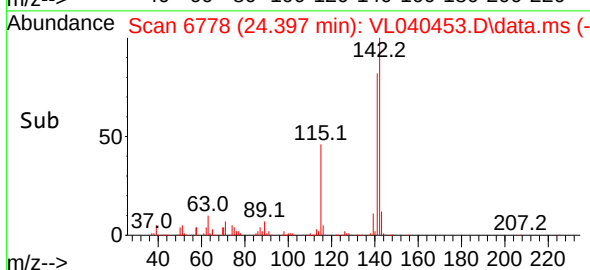
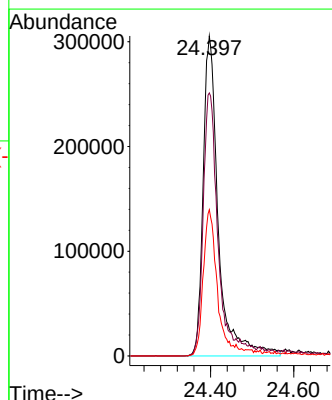
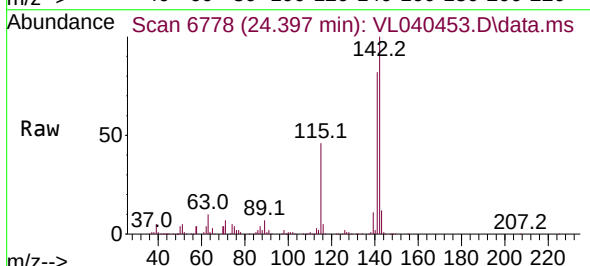
Tgt Ion:142 Resp: 776418

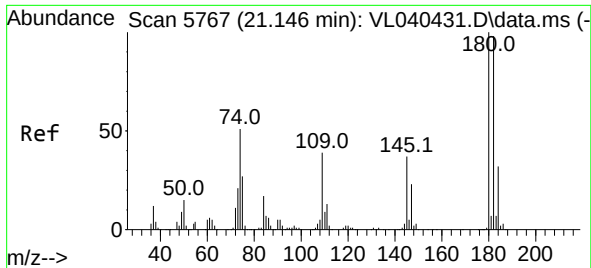
Ion Ratio Lower Upper

142 100

141 83.3 66.2 99.2

115 43.7 36.8 55.2





#81

1,2,4-Trichlorobenzene

Concen: 10.219 ppbv

RT: 21.172 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL040453.D

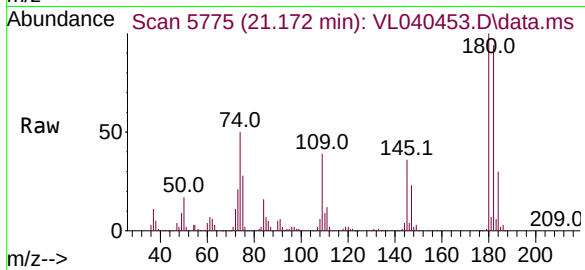
Acq: 17 May 2023 1:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:180 Resp: 1299078

Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.6

184 30.6 24.7 37.1

