

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013023\
 Data File : VL040132.D
 Acq On : 30 Jan 2023 14:39
 Operator : SY/MD
 Sample : N4995-14 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 31 05:26:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 31 05:24:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	841930	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2277077	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2042379	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1628623	9.595	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	98740	0.669	ppbv	98
3) Chlorodifluoromethane	2.658	51	54289	0.538	ppbv	98
4) Chloromethane	2.796	50	36285	0.581	ppbv	93
5) Vinyl Chloride	2.902	62	27284	0.516	ppbv	95
6) Bromomethane	3.102	94	4916	0.255	ppbv	94
7) Chloroethane	3.182	64	9937	0.491	ppbv #	86
8) Dichlorotetrafluoroethane	2.841	85	76217	0.553	ppbv	99
9) Propene	2.677	41	22428	0.535	ppbv	92
10) Heptane	7.565	43	20729	0.214	ppbv #	1
11) Trichlorofluoromethane	3.549	101	74502	0.506	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.054	101	55907	0.505	ppbv	96
13) Ethanol	3.237	45	1326	0.343	ppbv #	1
14) Bromoethene	3.353	108	18825	0.458	ppbv	87
15) Acetone	3.468	43	75464	0.747	ppbv	95
16) 1,3-Butadiene	2.970	39	20415	0.434	ppbv #	78
17) tert-Butyl alcohol	3.883	59	56056	0.596	ppbv	97
18) 1,1-Dichloroethene	3.864	96	23729	0.493	ppbv	98
19) Isopropyl Alcohol	3.578	45	28201	0.571	ppbv #	97
20) Methylene Chloride	3.918	84	34490	0.774	ppbv	95
21) Allyl Chloride	3.980	41	31758	0.490	ppbv	96
22) trans-1,2-Dichloroethene	4.433	96	16041	0.326	ppbv	91
23) Vinyl Acetate	4.616	43	9107	0.278	ppbv #	72
24) 1,1-Dichloroethane	4.552	63	49960	0.504	ppbv	97
25) Ethyl Acetate	5.198	43	103524	0.582	ppbv #	98
26) Hexane	5.201	57	46833	0.602	ppbv	94
27) Carbon Disulfide	4.111	76	45232	0.448	ppbv #	84
28) Methyl tert-Butyl Ether	4.587	73	45296	0.517	ppbv	98
29) Chloroform	5.256	83	41079	0.330	ppbv	90
30) Cyclohexane	6.587	84	17478	0.282	ppbv #	24
31) cis-1,2-Dichloroethene	5.066	61	41951	0.557	ppbv	85
32) 1,1,1-Trichloroethane	5.996	97	66915	0.529	ppbv	97
34) 2-Butanone	4.787	43	55949	0.519	ppbv	97
35) Carbon Tetrachloride	6.484	117	70847	0.550	ppbv	93
36) Benzene	6.359	78	88042	0.522	ppbv	95
37) 1,2-Dichloroethane	5.790	62	28992	0.268	ppbv #	84
38) Trichloroethene	7.285	130	49749	0.520	ppbv	93
39) 1,2-Dichloropropane	7.060	63	35977	0.546	ppbv #	77
40) 1,4-Dioxane	7.285	88	246	0.009	ppbv #	1
41) Tetrahydrofuran	5.574	42	28390	0.457	ppbv	93
42) Bromodichloromethane	7.240	83	70805	0.484	ppbv	99
43) Methyl Methacrylate	7.471	69	28467	0.460	ppbv	96
44) 2,2,4-Trimethylpentane	7.317	57	137599	0.491	ppbv	95
45) t-1,3-Dichloropropene	8.706	75	21950	0.398	ppbv	91

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

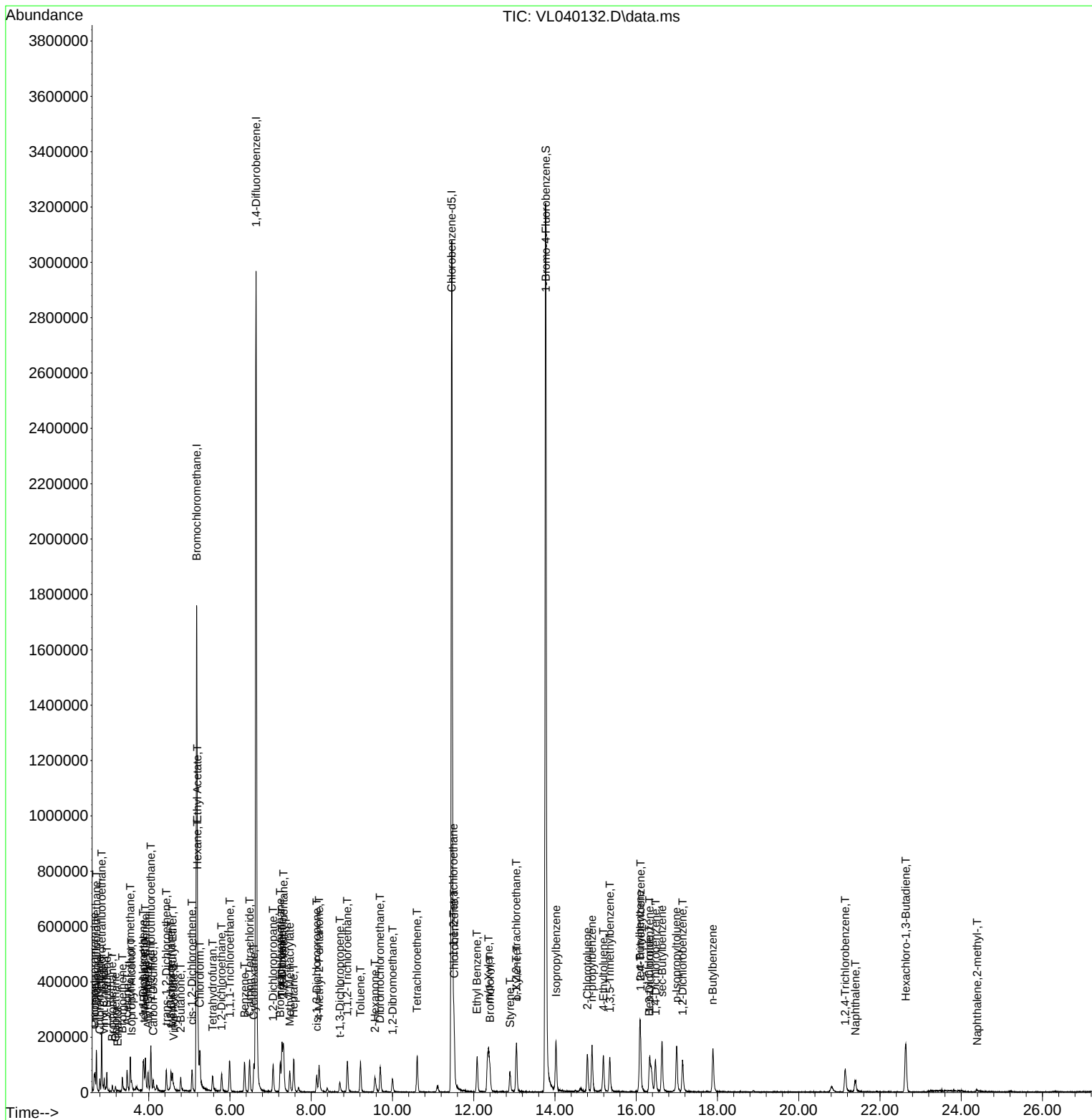
Instrument :
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 ClientSampleId :

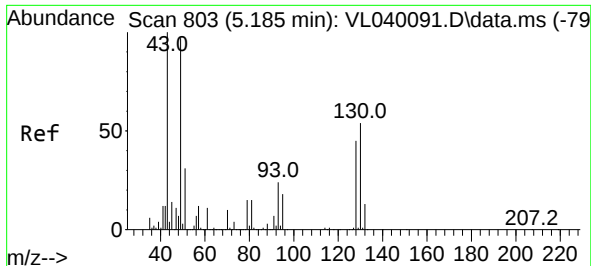
Quant Time: Jan 31 05:26:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 31 05:24:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	32249	0.428	ppbv	95
47) 1,1,2-Trichloroethane	8.889	97	36425	0.525	ppbv #	89
48) Dibromochloromethane	9.696	129	24421	0.219	ppbv #	1
49) Bromoform	12.400	173	22261	0.259	ppbv #	37
50) 4-Methyl-2-Pentanone	8.195	43	45295	0.267	ppbv #	39
51) 2-Hexanone	9.568	43	40671	0.317	ppbv #	79
52) Tetrachloroethene	10.606	164	30168	0.547	ppbv	92
53) Toluene	9.211	91	85305	0.475	ppbv	97
54) 1,2-Dibromoethane	10.002	107	34540	0.475	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.503	131	22647	0.285	ppbv #	8
57) Chlorobenzene	11.519	112	77690	0.558	ppbv #	87
58) Ethyl Benzene	12.079	91	110815	0.486	ppbv	98
59) m/p-Xylene	12.362	91	20400	0.100	ppbv #	1
60) o-Xylene	13.056	91	94421	0.485	ppbv	96
61) Styrene	12.892	104	41948	0.414	ppbv	96
62) Isopropylbenzene	14.027	105	148788	0.532	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.047	83	21137	0.299	ppbv #	38
64) n-propylbenzene	14.912	120	34868	0.501	ppbv	97
65) tert-Butylbenzene	16.088	119	75009	0.313	ppbv #	42
66) Benzyl Chloride	16.323	91	2212	0.135	ppbv #	84
67) sec-Butylbenzene	16.638	105	168234	0.495	ppbv	99
69) p-Isopropyltoluene	16.992	119	81992	0.307	ppbv #	63
70) n-Butylbenzene	17.886	91	133857	0.465	ppbv	98
71) 2-Chlorotoluene	14.799	91	104230	0.484	ppbv	97
72) 4-Ethyltoluene	15.191	105	100830	0.467	ppbv	96
73) 1,3,5-Trimethylbenzene	15.352	105	90586	0.466	ppbv	91
74) 1,2,4-Trimethylbenzene	16.108	105	106556	0.495	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	29839	0.250	ppbv #	18
76) 1,4-Dichlorobenzene	16.477	146	41416	0.352	ppbv	63
77) 1,2-Dichlorobenzene	17.140	146	29329	0.256	ppbv #	22
78) Hexachloro-1,3-Butadiene	22.638	225	24241	0.289	ppbv #	24
79) Naphthalene	21.397	128	40942	0.332	ppbv	96
80) Naphthalene,2-methyl-	24.394	142	8096	0.195	ppbv #	90
81) 1,2,4-Trichlorobenzene	21.143	180	25340	0.333	ppbv #	60

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
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QLast Update : Tue Jan 31 05:24:57 2023
Response via : Initial Calibration

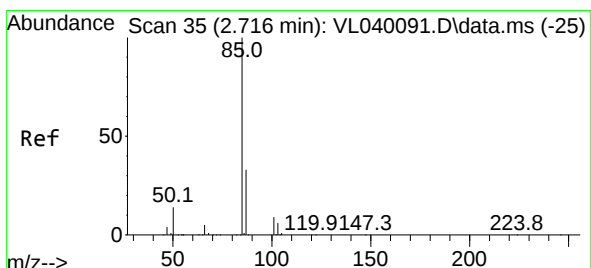
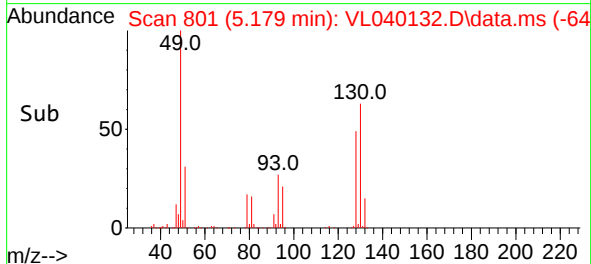
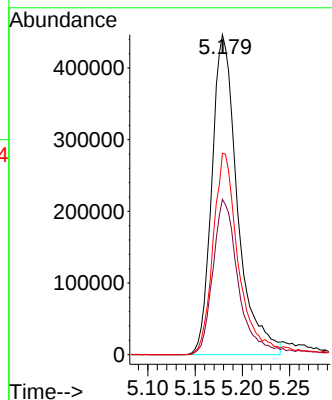
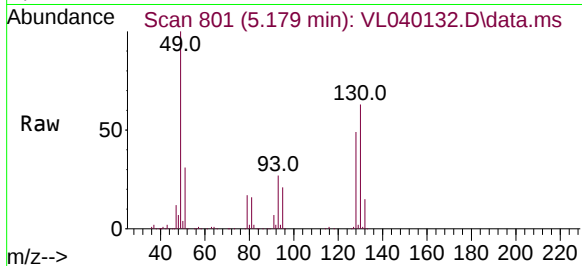




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.179 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

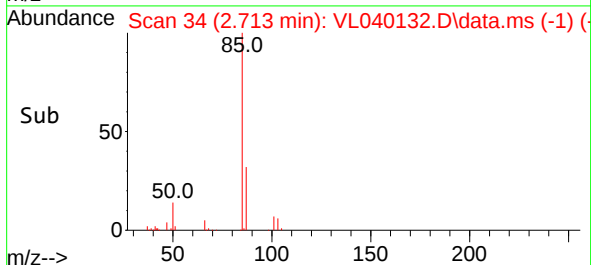
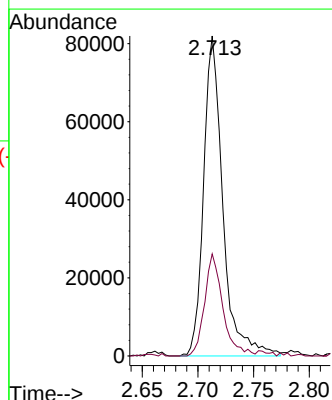
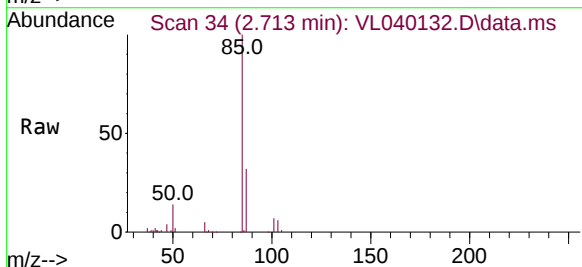
Instrument :
 MSVOA_L
 ClientSampleId :

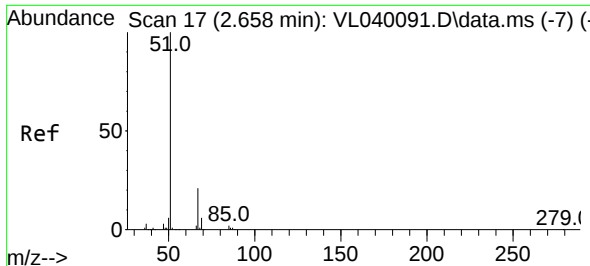
Tgt Ion: 49 Resp: 841930
 Ion Ratio Lower Upper
 49 100
 128 50.3 23.6 71.0
 130 66.2 29.8 89.3



#2
 Dichlorodifluoromethane
 Concen: 0.669 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

Tgt Ion: 85 Resp: 98740
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.5 39.7

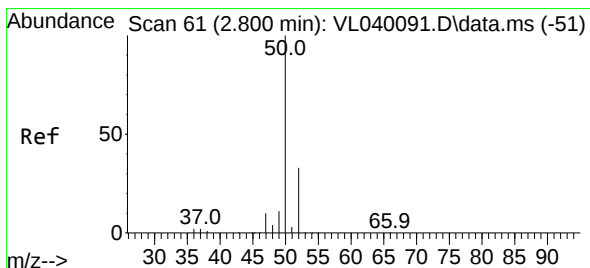
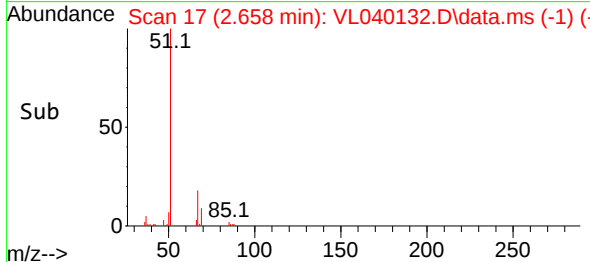
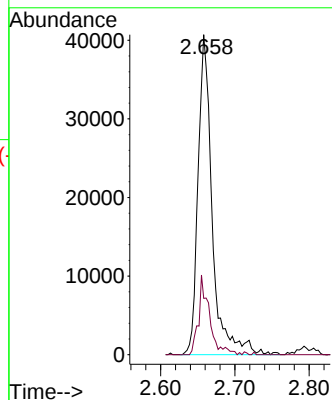
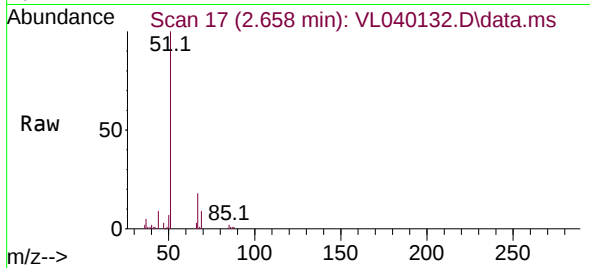




#3
Chlorodifluoromethane
Concen: 0.538 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

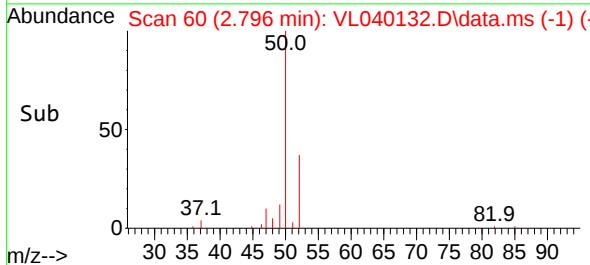
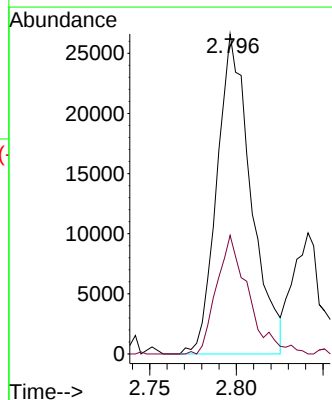
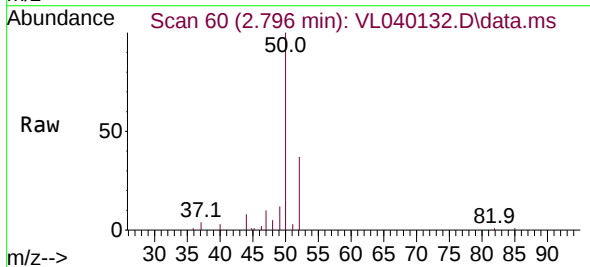
Instrument :
MSVOA_L
ClientSampleId :

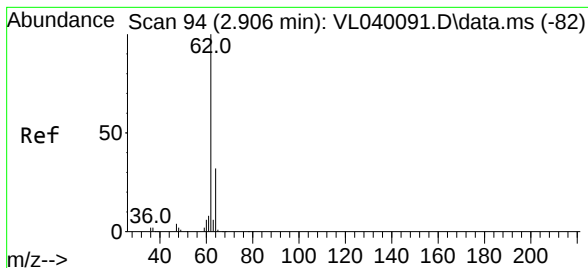
Tgt Ion: 51 Resp: 54289
Ion Ratio Lower Upper
51 100
67 19.6 16.4 24.6



#4
Chloromethane
Concen: 0.581 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Tgt Ion: 50 Resp: 36285
Ion Ratio Lower Upper
50 100
52 37.0 26.5 39.7

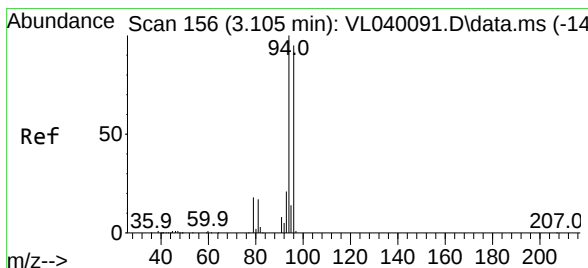
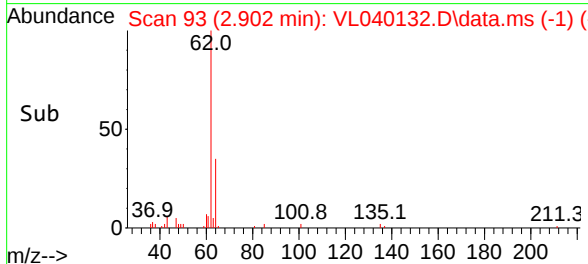
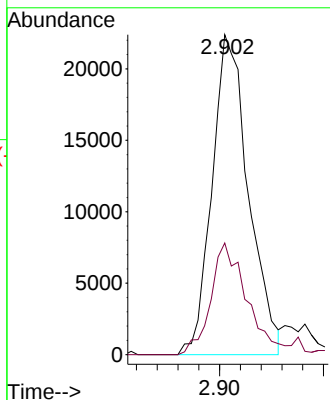
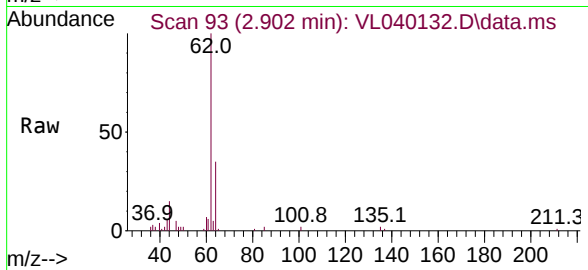




#5
 Vinyl Chloride
 Concen: 0.516 ppbv
 RT: 2.902 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

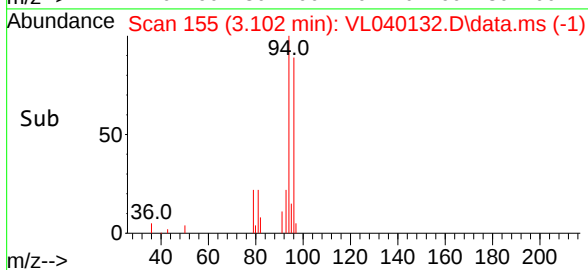
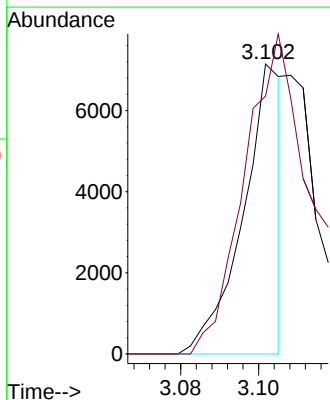
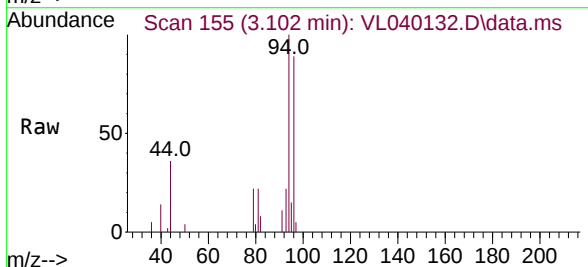
Instrument :
 MSVOA_L
 ClientSampleId :

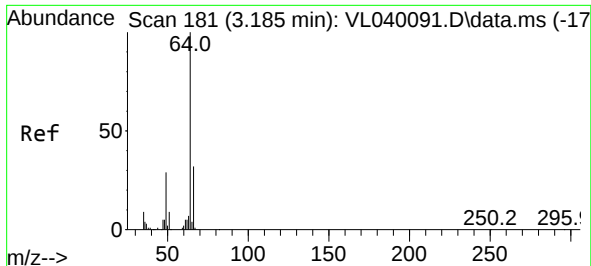
Tgt Ion: 62 Resp: 27284
 Ion Ratio Lower Upper
 62 100
 64 34.9 25.8 38.6



#6
 Bromomethane
 Concen: 0.255 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. 0.000 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

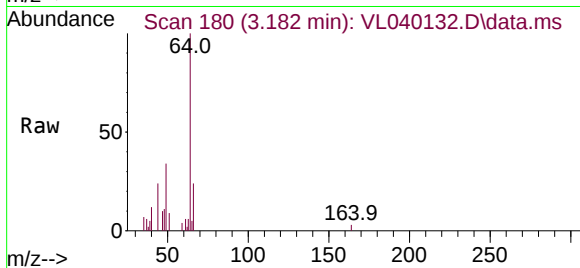
Tgt Ion: 94 Resp: 4916
 Ion Ratio Lower Upper
 94 100
 96 89.0 76.2 114.2



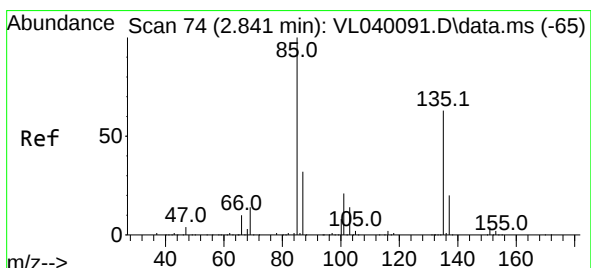
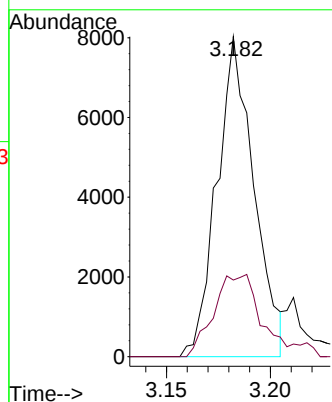
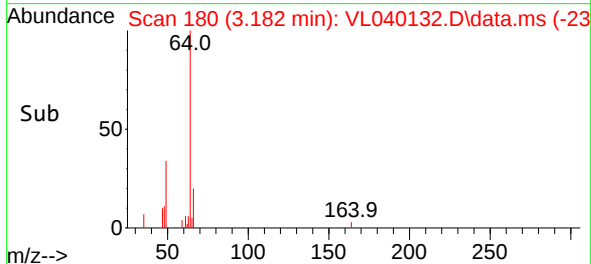


#7
Chloroethane
Concen: 0.491 ppbv
RT: 3.182 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Instrument :
MSVOA_L
ClientSampleId :

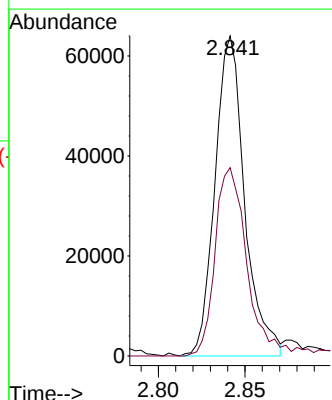
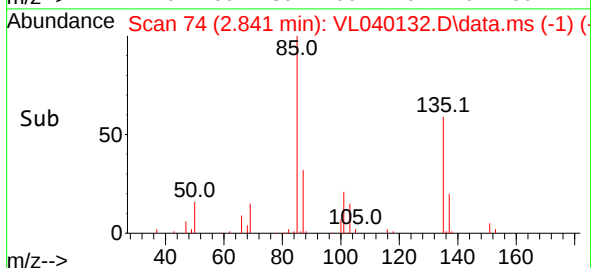
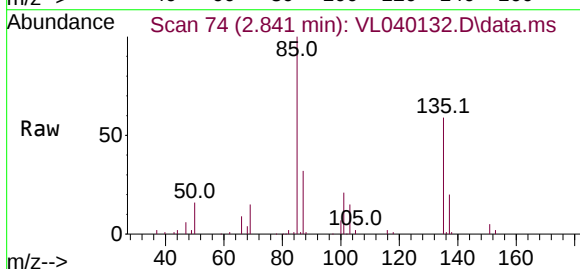


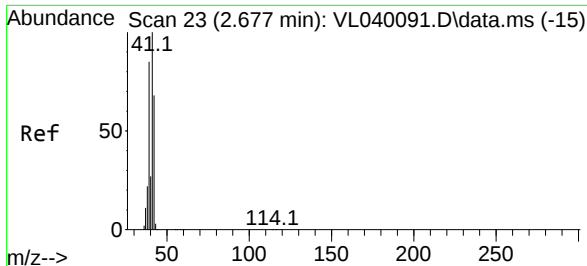
Tgt Ion: 64 Resp: 9937
Ion Ratio Lower Upper
64 100
66 23.9 25.6 38.4#



#8
Dichlorotetrafluoroethane
Concen: 0.553 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Tgt Ion: 85 Resp: 76217
Ion Ratio Lower Upper
85 100
135 65.2 51.4 77.2

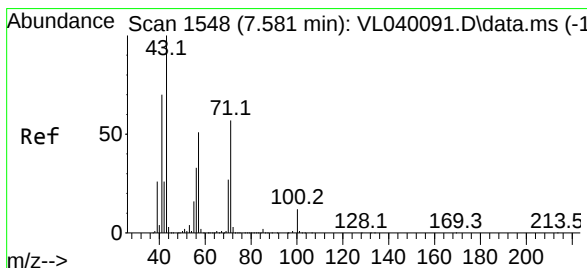
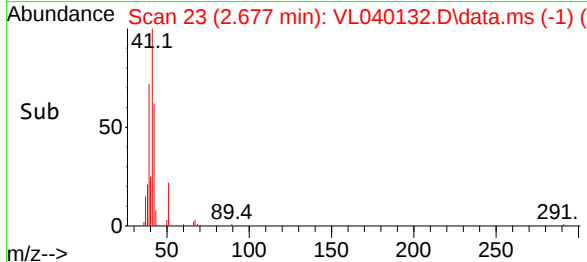
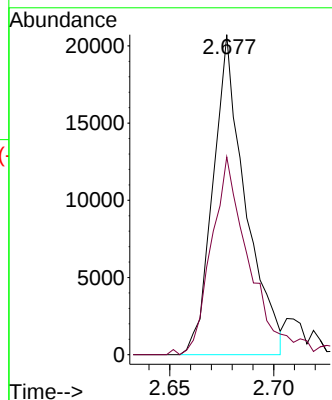
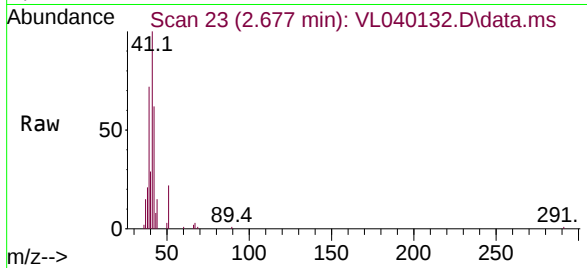




#9
 Propene
 Concen: 0.535 ppbv
 RT: 2.677 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

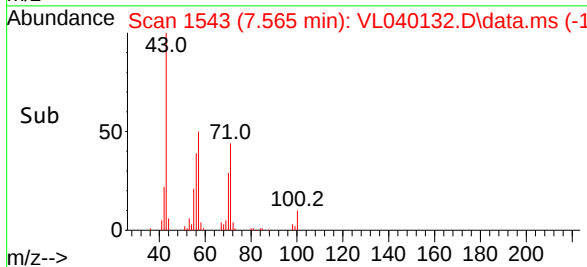
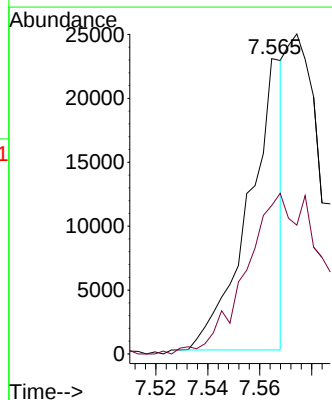
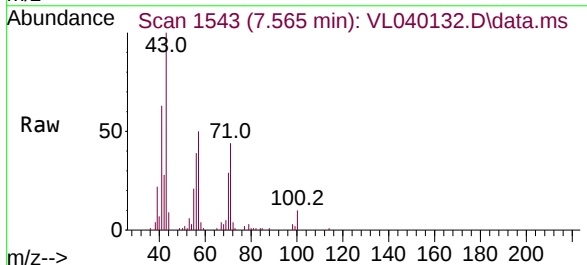
Instrument :
 MSVOA_L
 ClientSampleId :

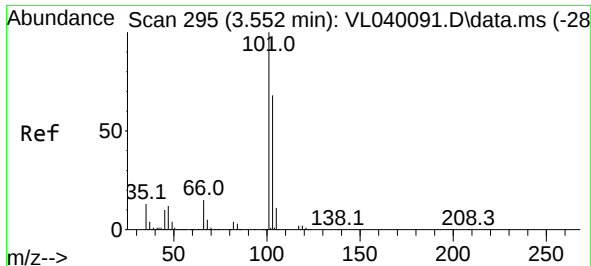
Tgt Ion: 41 Resp: 22428
 Ion Ratio Lower Upper
 41 100
 42 75.8 55.6 83.4



#10
 Heptane
 Concen: 0.214 ppbv
 RT: 7.565 min Scan# 1543
 Delta R.T. -0.003 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

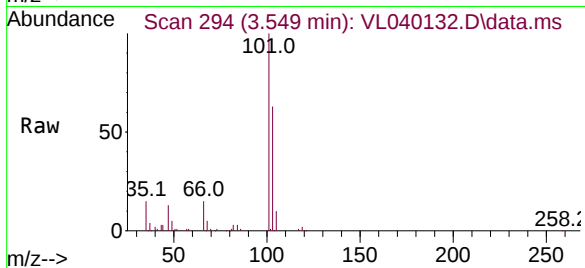
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 Ion Ratio Lower Upper
 43 100
 57 129.0 40.9 61.3#



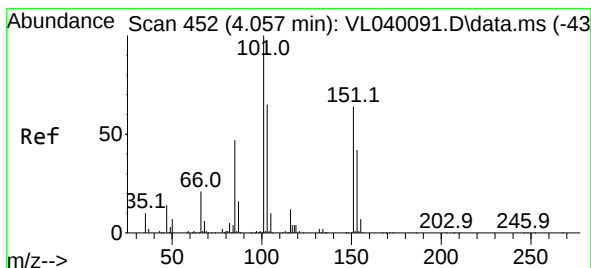
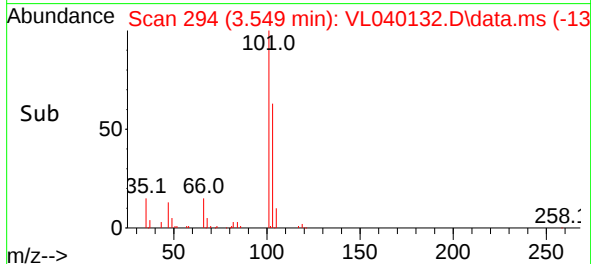
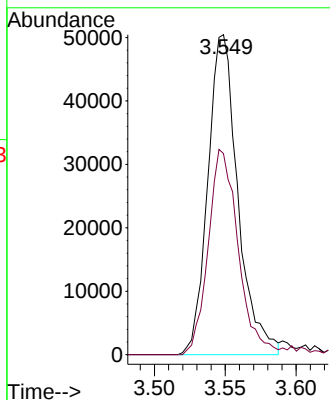


#11
 Trichlorofluoromethane
 Concen: 0.506 ppbv
 RT: 3.549 min Scan# 295
 Delta R.T. 0.003 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

Instrument :
 MSVOA_L
 ClientSampleId :

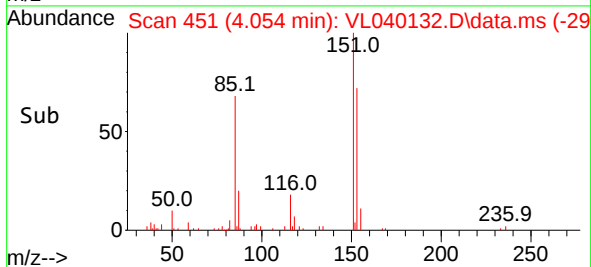
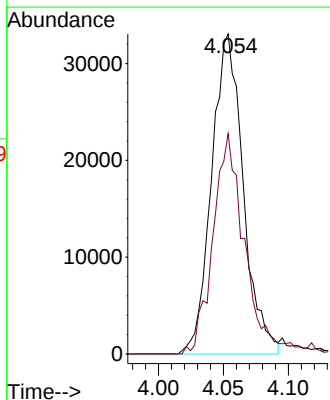
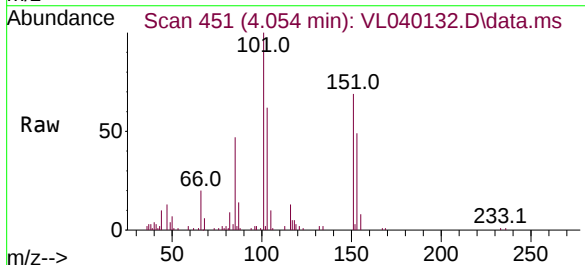


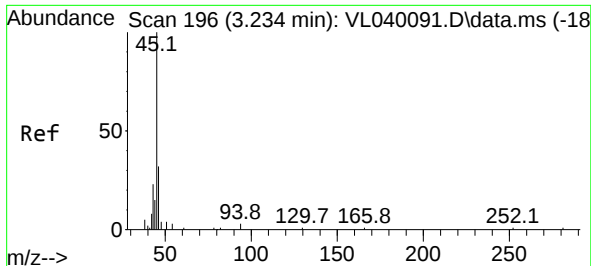
Tgt Ion:101 Resp: 74502
 Ion Ratio Lower Upper
 101 100
 103 62.9 54.0 81.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.505 ppbv
 RT: 4.054 min Scan# 451
 Delta R.T. 0.006 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

Tgt Ion:101 Resp: 55907
 Ion Ratio Lower Upper
 101 100
 151 69.8 53.2 79.8

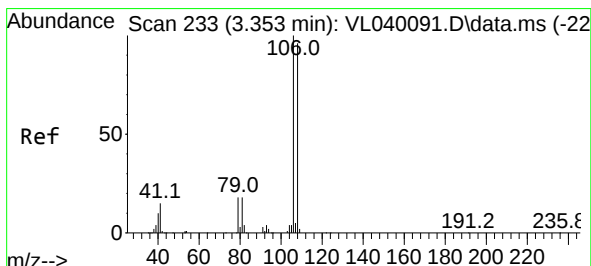
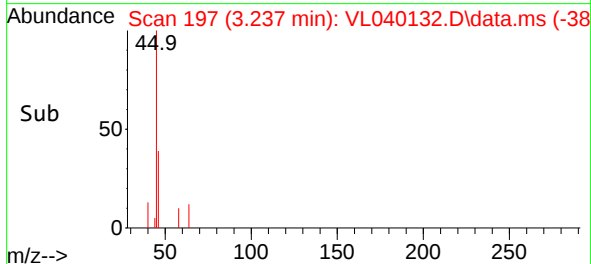
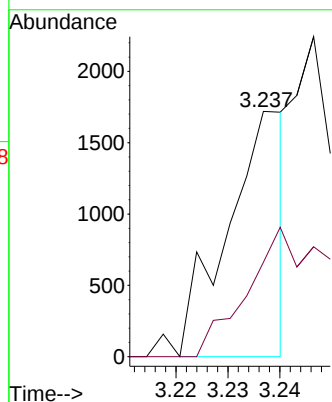
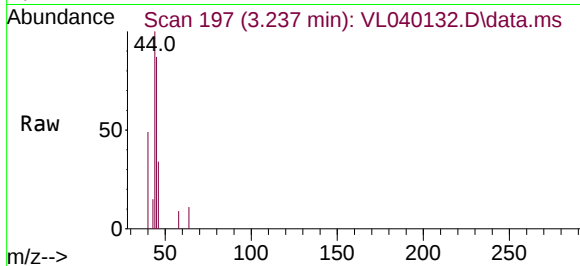




#13
Ethanol
Concen: 0.343 ppbv
RT: 3.237 min Scan# 196
Delta R.T. 0.010 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

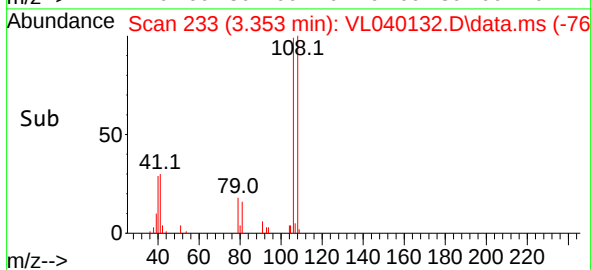
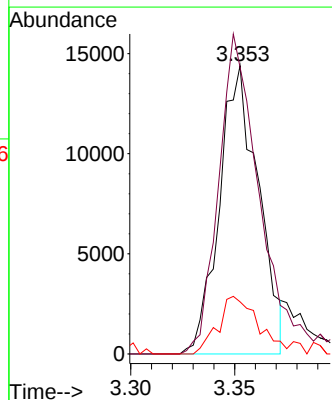
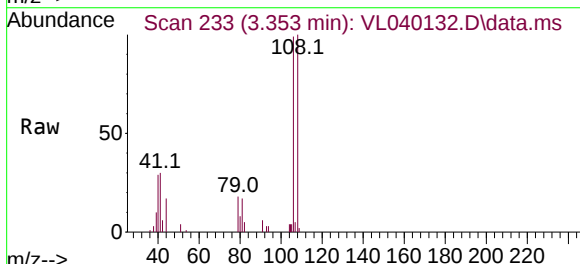
Instrument :
MSVOA_L
ClientSampleId :

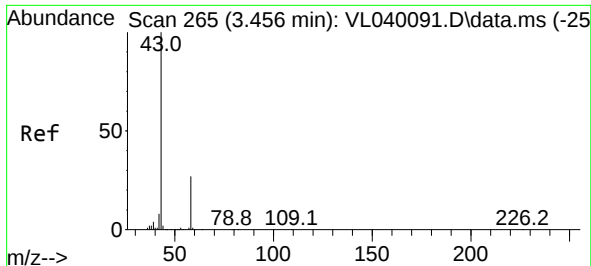
Tgt Ion: 45 Resp: 1326
Ion Ratio Lower Upper
45 100
46 101.4 14.8 59.2#



#14
Bromoethene
Concen: 0.458 ppbv
RT: 3.353 min Scan# 233
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Tgt Ion:108 Resp: 18825
Ion Ratio Lower Upper
108 100
106 124.0 87.0 130.6
79 23.1 16.1 24.1





#15

Acetone

Concen: 0.747 ppbv

RT: 3.468 min Scan# 2

Delta R.T. 0.019 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

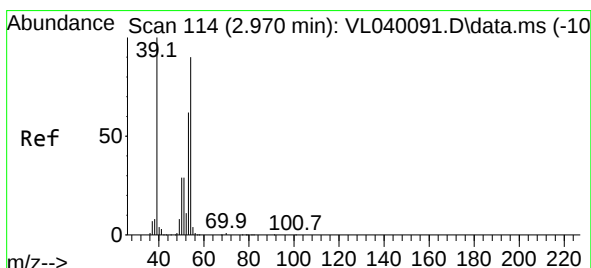
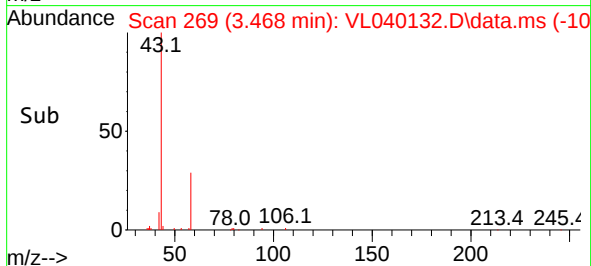
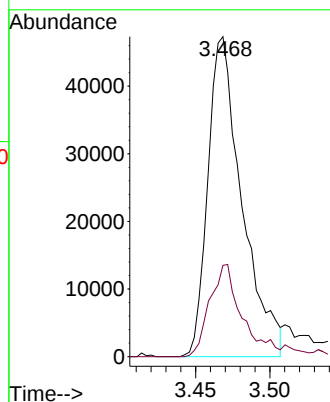
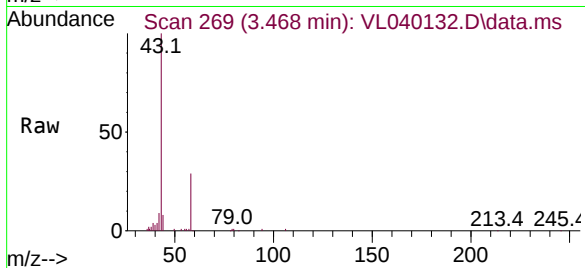
ClientSampleId :

Tgt Ion: 43 Resp: 75464

Ion Ratio Lower Upper

43 100

58 29.8 21.8 32.8



#16

1,3-Butadiene

Concen: 0.434 ppbv

RT: 2.970 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040132.D

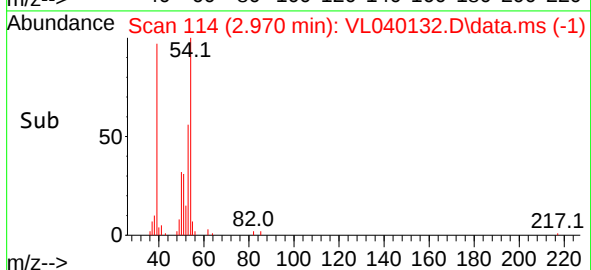
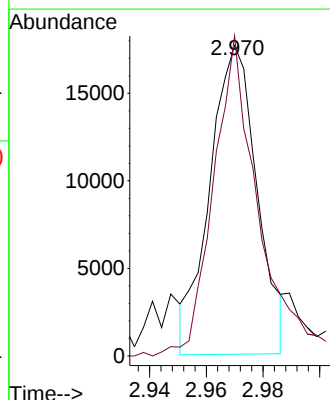
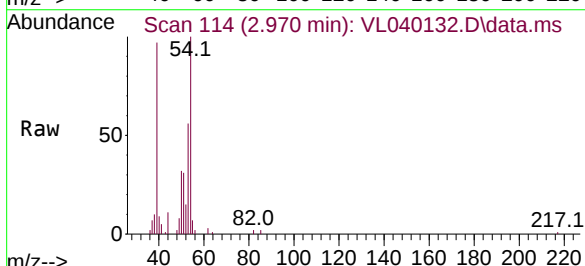
Acq: 30 Jan 2023 14:39

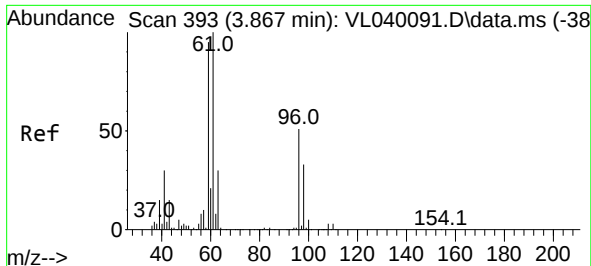
Tgt Ion: 39 Resp: 20415

Ion Ratio Lower Upper

39 100

54 105.3 67.9 101.9#





#17

tert-Butyl alcohol

Concen: 0.596 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.023 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

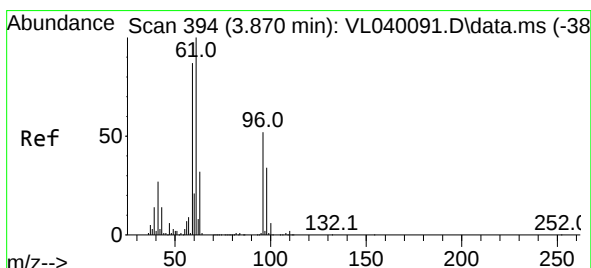
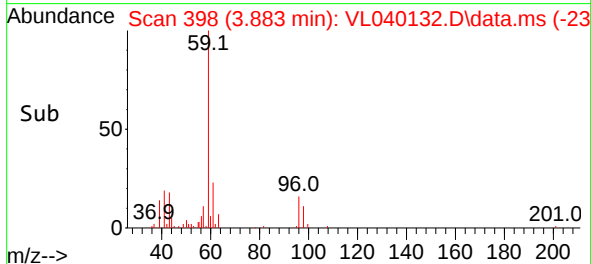
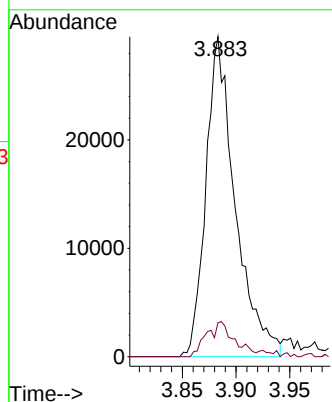
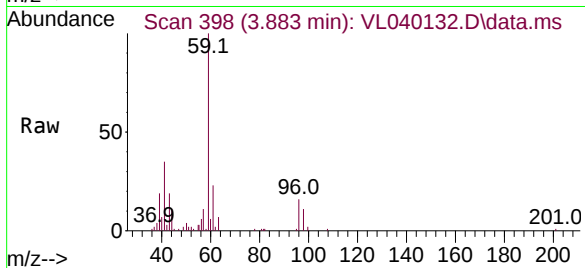
ClientSampleId :

Tgt Ion: 59 Resp: 56056

Ion Ratio Lower Upper

59 100

57 11.8 8.5 12.7



#18

1,1-Dichloroethene

Concen: 0.493 ppbv

RT: 3.864 min Scan# 392

Delta R.T. 0.000 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

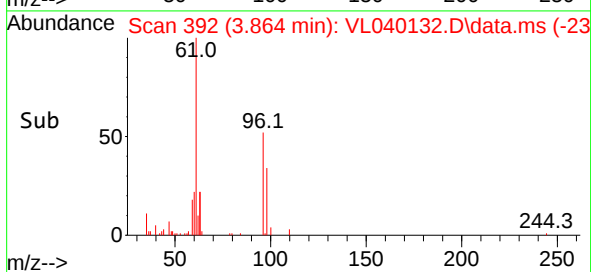
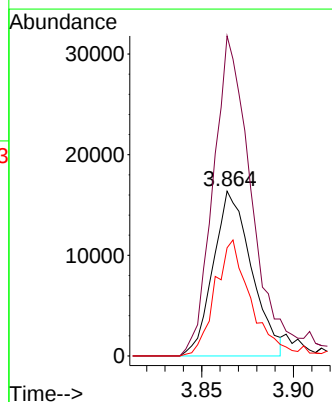
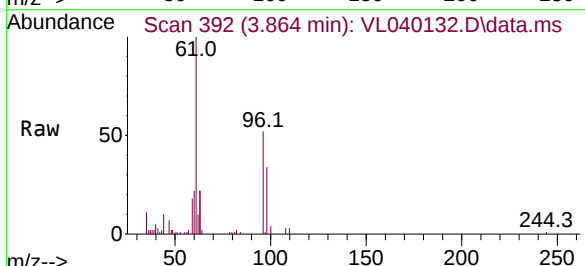
Tgt Ion: 96 Resp: 23729

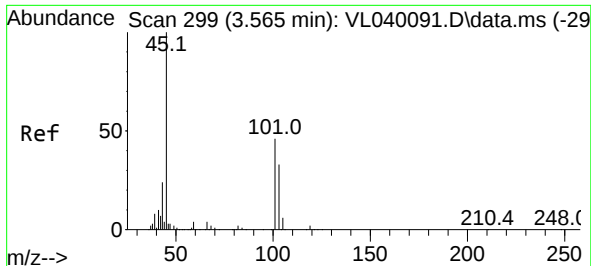
Ion Ratio Lower Upper

96 100

61 194.1 153.0 229.4

98 65.6 52.7 79.1

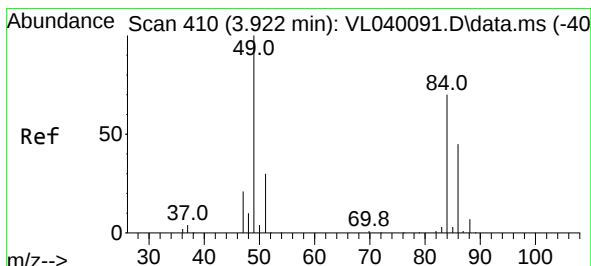
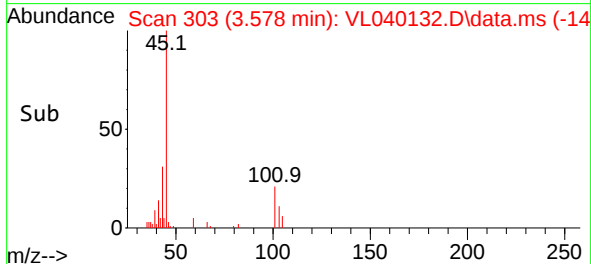
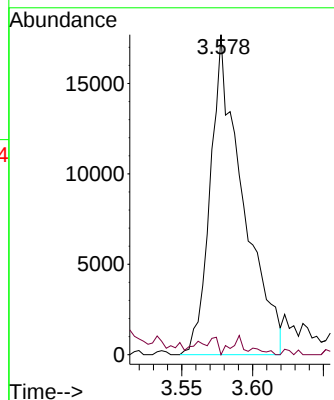
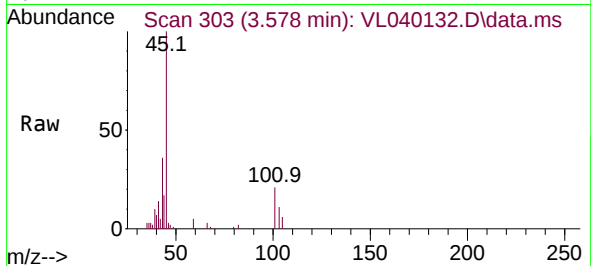




#19
Isopropyl Alcohol
Concen: 0.571 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.019 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

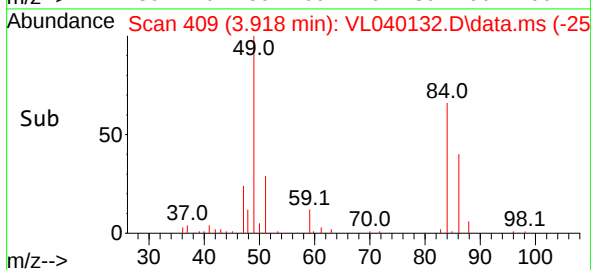
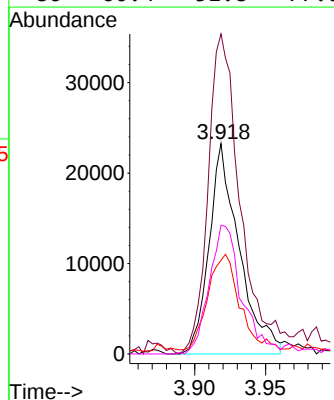
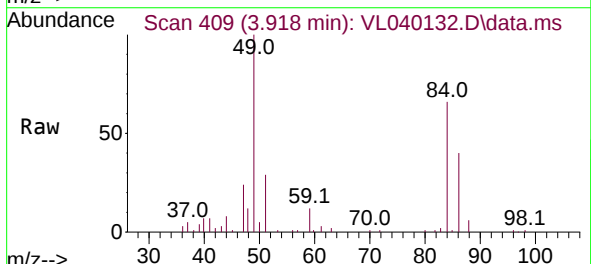
Instrument :
MSVOA_L
ClientSampleId :

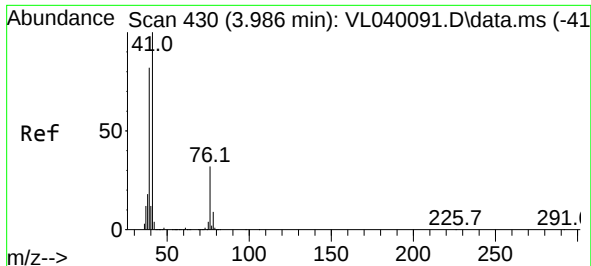
Tgt Ion: 45 Resp: 28201
Ion Ratio Lower Upper
45 100
58 4.4 2.6 4.0#



#20
Methylene Chloride
Concen: 0.774 ppbv
RT: 3.918 min Scan# 409
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Tgt Ion: 84 Resp: 34490
Ion Ratio Lower Upper
84 100
49 151.0 114.6 171.8
51 42.6 34.3 51.5
86 60.4 51.8 77.8





#21

Allyl Chloride

Concen: 0.490 ppbv

RT: 3.980 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

ClientSampleId :

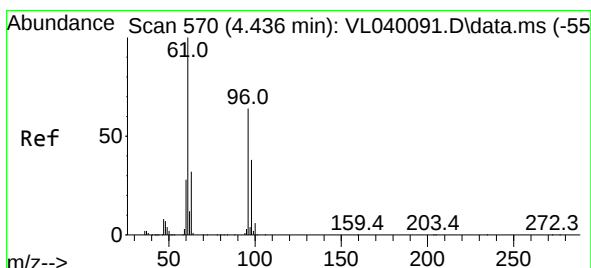
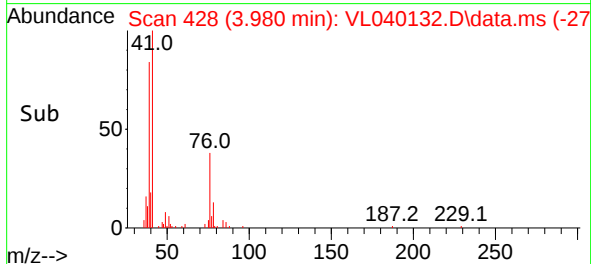
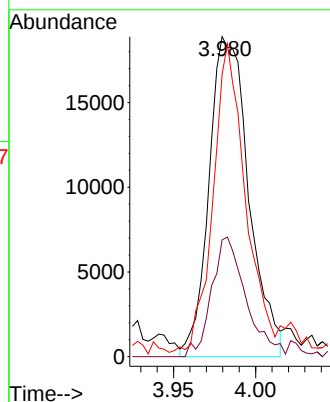
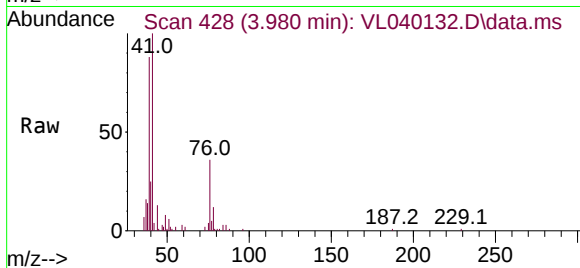
Tgt Ion: 41 Resp: 31758

Ion Ratio Lower Upper

41 100

76 34.8 25.9 38.9

39 87.2 66.8 100.2



#22

trans-1,2-Dichloroethene

Concen: 0.326 ppbv

RT: 4.433 min Scan# 569

Delta R.T. 0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

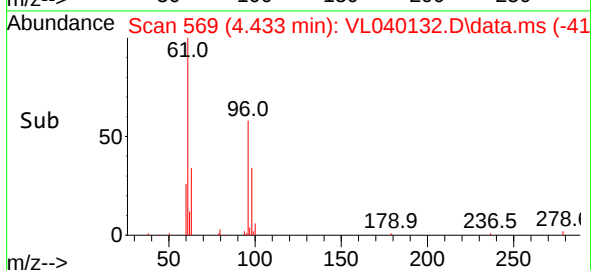
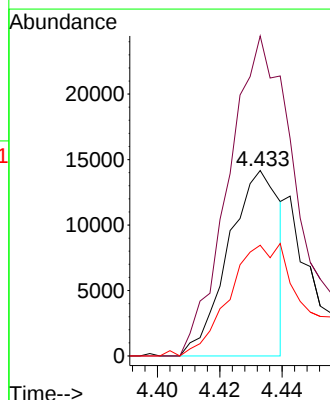
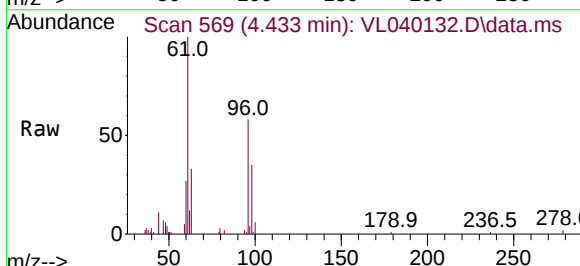
Tgt Ion: 96 Resp: 16041

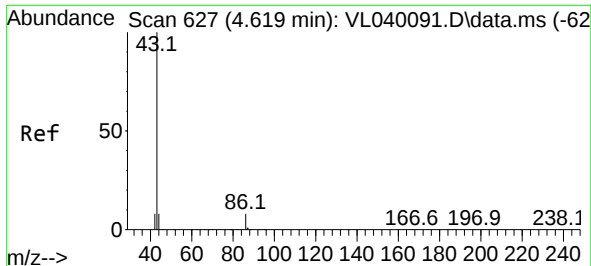
Ion Ratio Lower Upper

96 100

61 172.6 125.8 188.8

98 59.7 47.4 71.2



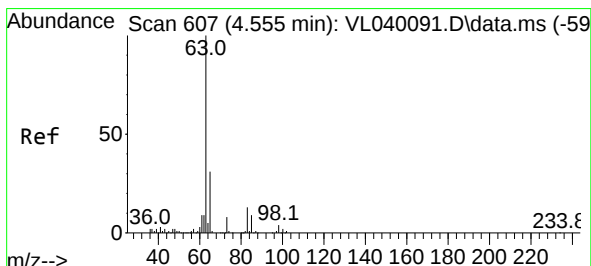
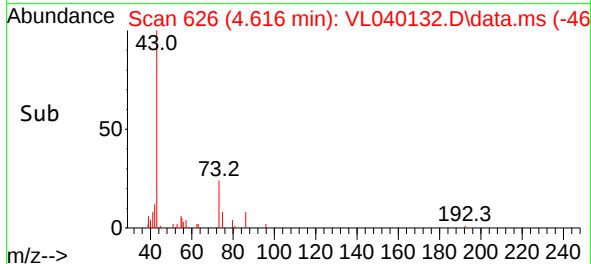
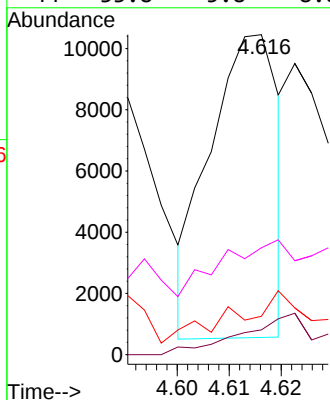
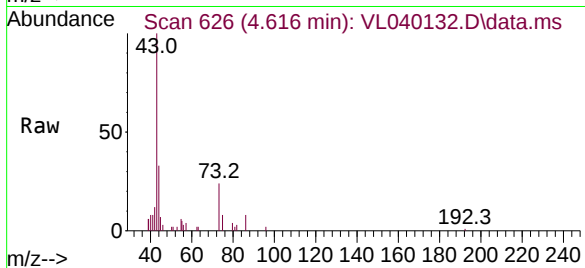


#23
 Vinyl Acetate
 Concen: 0.278 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 9107

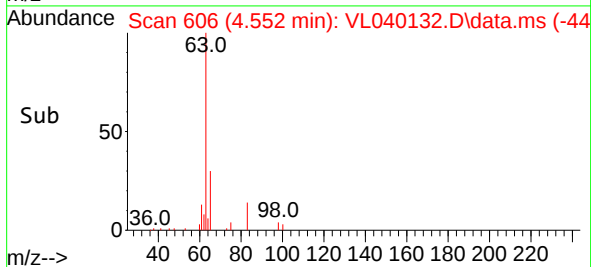
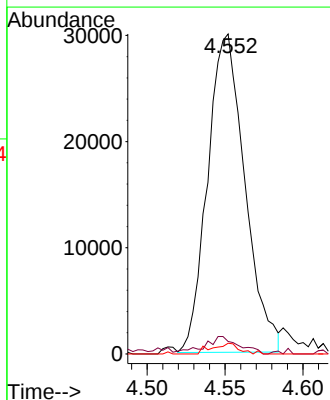
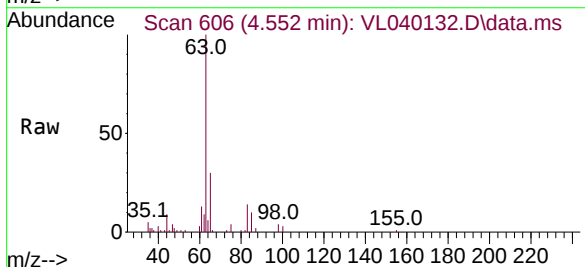
Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.6	8.4
42	6.5	7.7	11.5#
44	33.8	5.8	8.8#

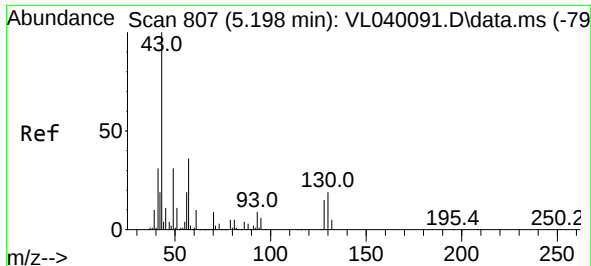


#24
 1,1-Dichloroethane
 Concen: 0.504 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.003 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

Tgt Ion: 63 Resp: 49960

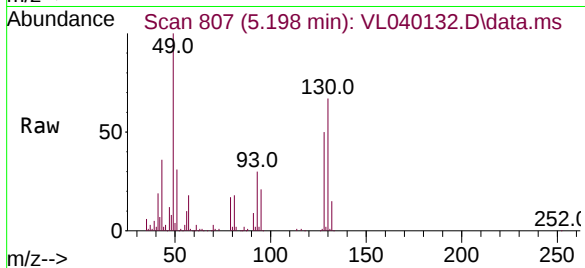
Ion	Ratio	Lower	Upper
63	100		
98	3.0	2.0	5.8
100	3.4	1.1	3.5



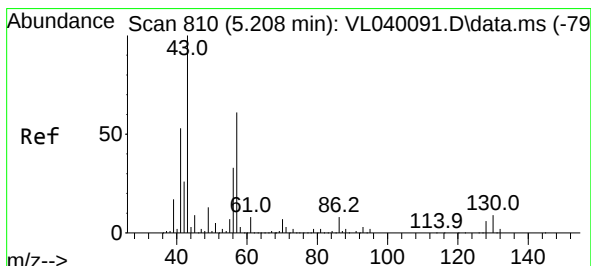
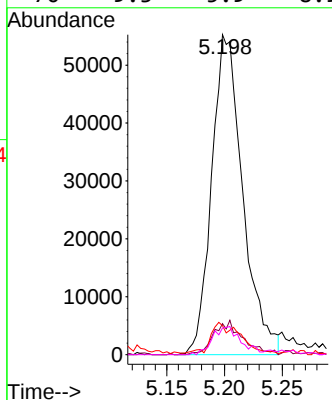
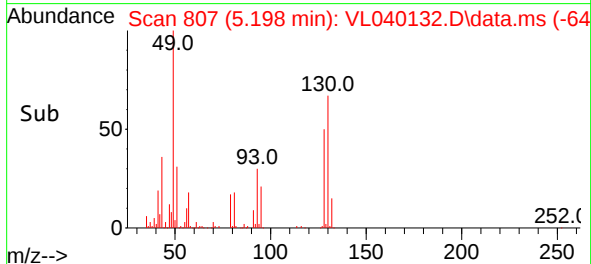


#25
Ethyl Acetate
Concen: 0.582 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.010 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

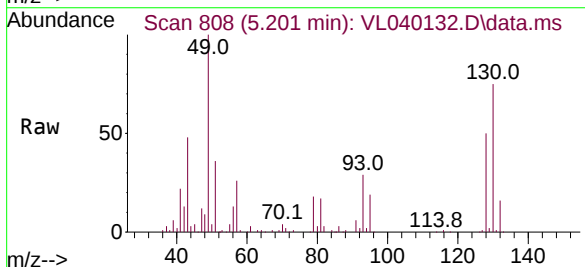
Instrument :
MSVOA_L
ClientSampleId :



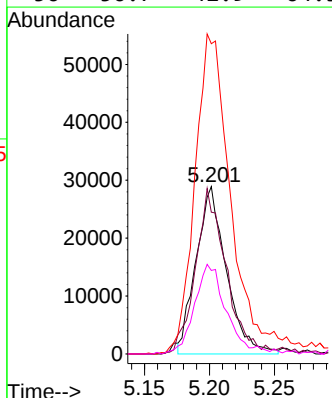
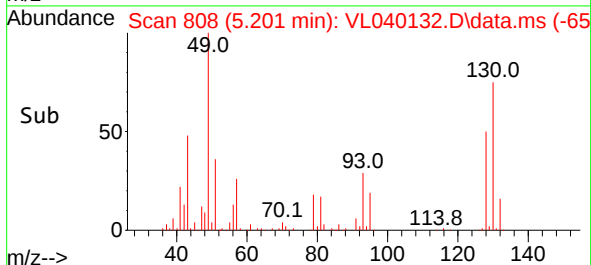
Tgt Ion:	43	Resp:	103524
Ion Ratio	Lower	Upper	
43	100		
45	9.9	8.5	12.7
61	10.1	8.4	12.6
70	9.3	5.9	8.9

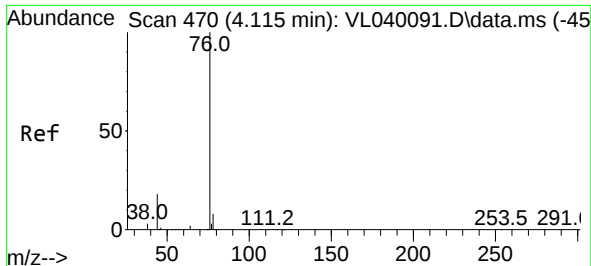


#26
Hexane
Concen: 0.602 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39



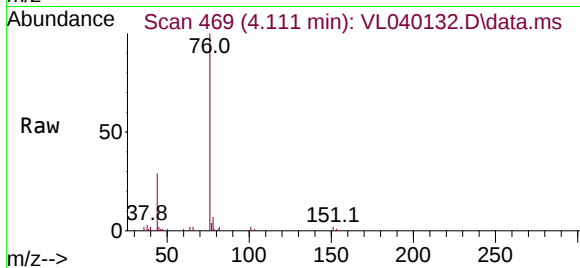
Tgt Ion:	57	Resp:	46833
Ion Ratio	Lower	Upper	
57	100		
41	102.8	72.2	108.4
43	234.8	192.1	288.1
56	56.7	42.9	64.3



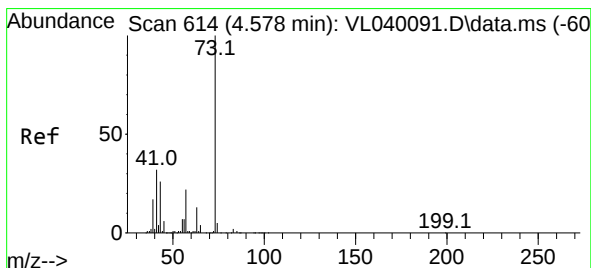
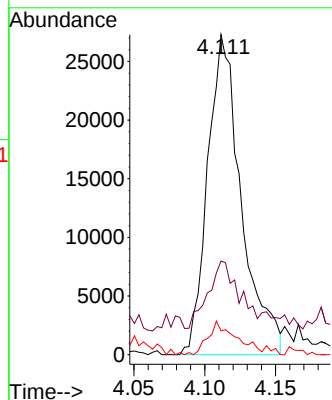
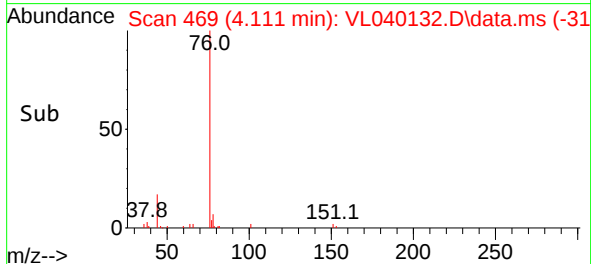


#27
Carbon Disulfide
Concen: 0.448 ppbv
RT: 4.111 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Instrument :
MSVOA_L
ClientSampleId :

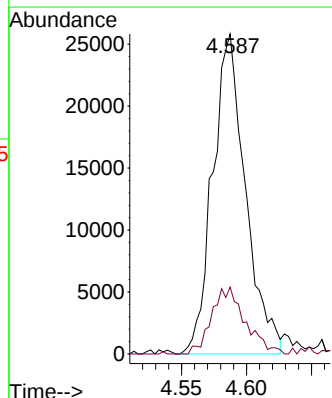
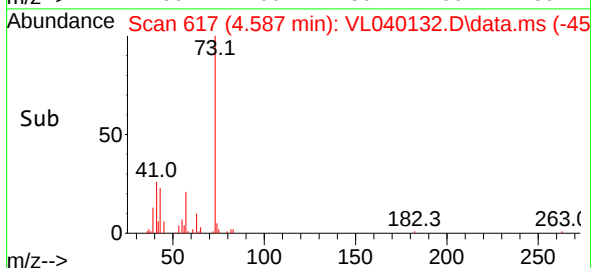
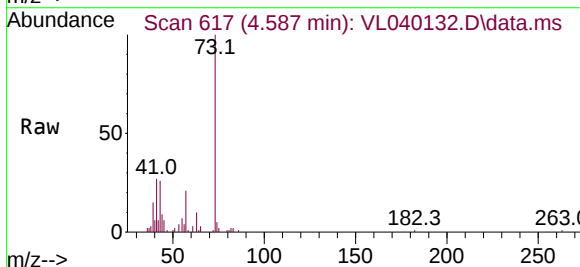


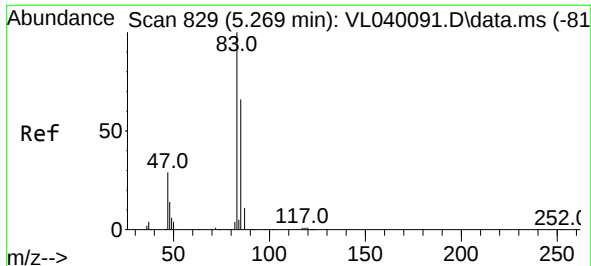
Tgt Ion: 76 Resp: 45232
Ion Ratio Lower Upper
76 100
44 29.1 14.9 22.3#
78 9.4 8.2 12.2



#28
Methyl tert-Butyl Ether
Concen: 0.517 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.019 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Tgt Ion: 73 Resp: 45296
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5





#29

Chloroform

Concen: 0.330 ppbv

RT: 5.256 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

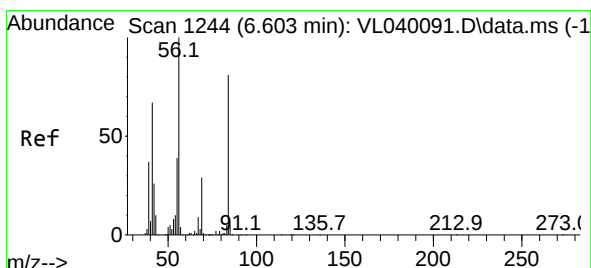
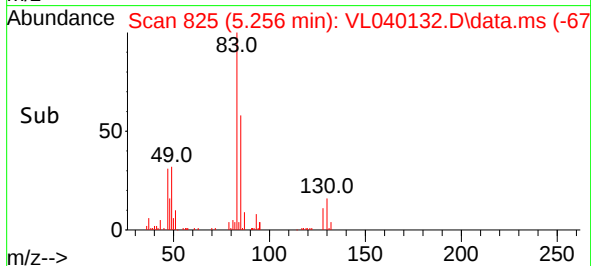
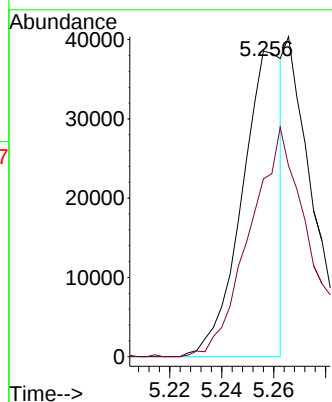
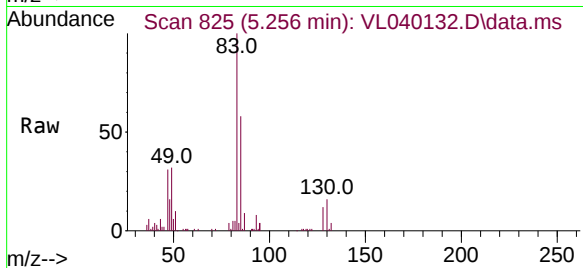
ClientSampleId :

Tgt Ion: 83 Resp: 41079

Ion Ratio Lower Upper

83 100

85 58.2 53.1 79.7



#30

Cyclohexane

Concen: 0.282 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. -0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

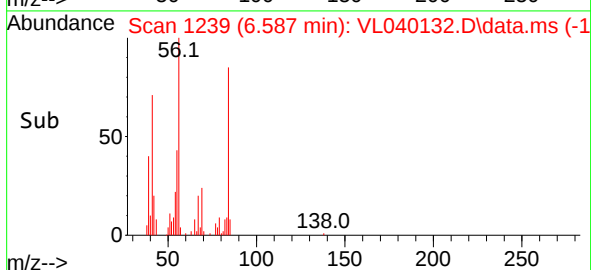
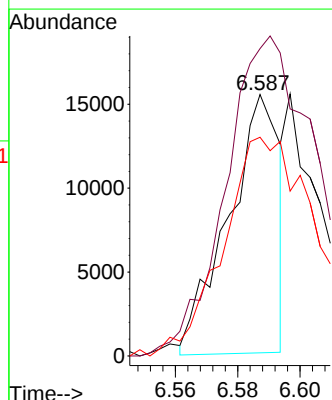
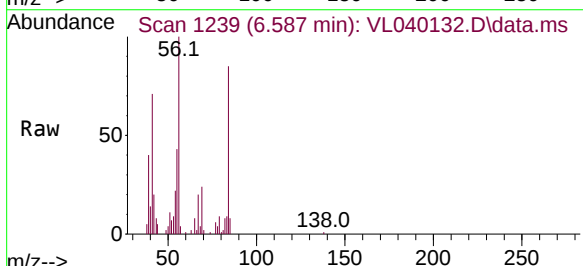
Tgt Ion: 84 Resp: 17478

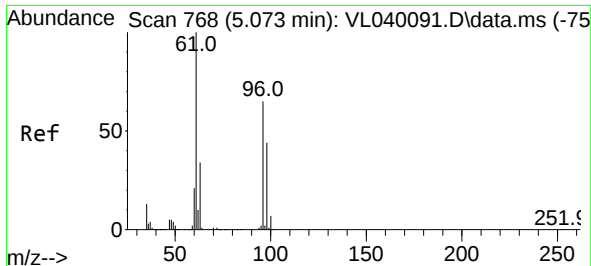
Ion Ratio Lower Upper

84 100

56 229.2 111.5 167.3#

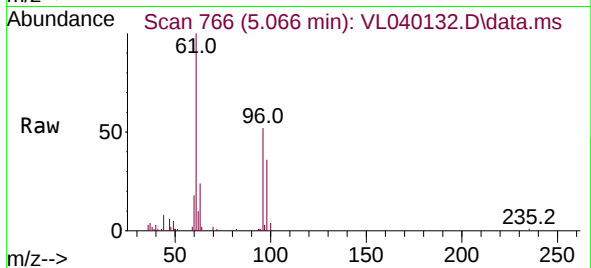
41 162.5 71.4 107.0#



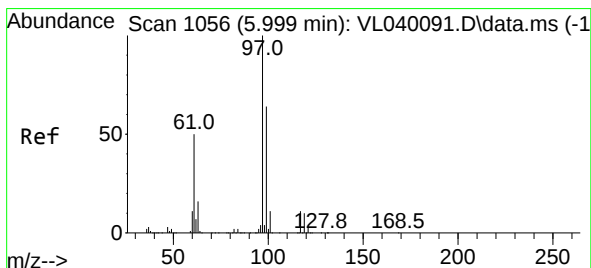
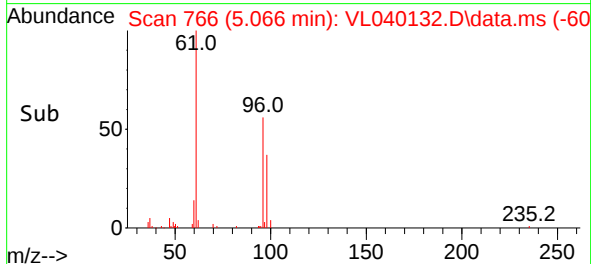
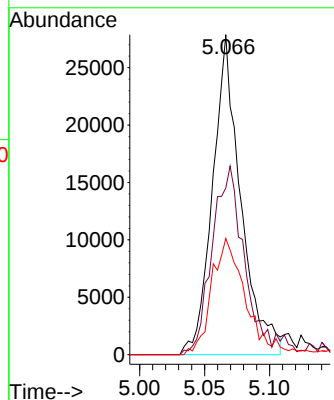


#31
 cis-1,2-Dichloroethene
 Concen: 0.557 ppbv
 RT: 5.066 min Scan# 766
 Delta R.T. 0.003 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

Instrument :
 MSVOA_L
 ClientSampleId :

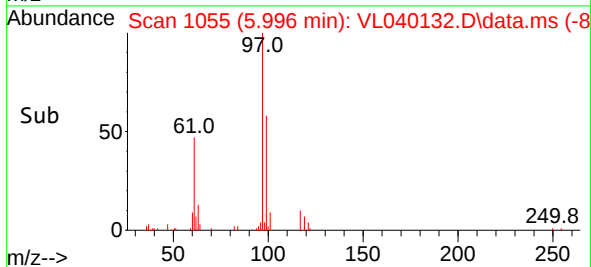
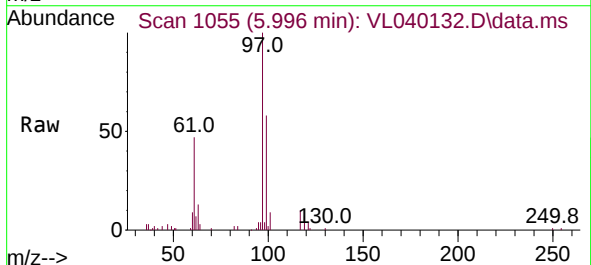
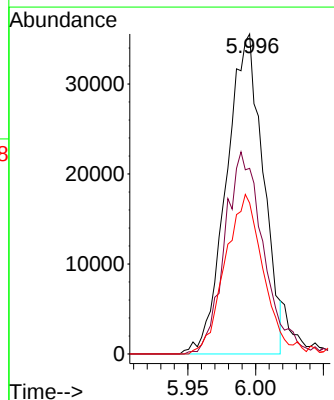


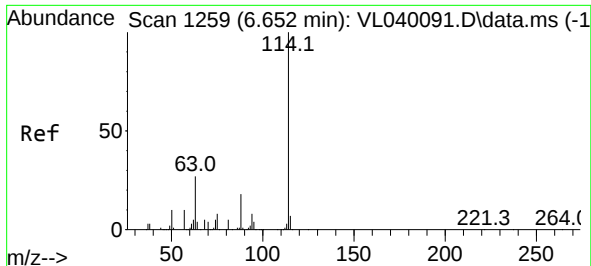
Tgt Ion: 61 Resp: 41951
 Ion Ratio Lower Upper
 61 100
 96 52.1 52.0 78.0
 98 36.3 35.3 52.9



#32
 1,1,1-Trichloroethane
 Concen: 0.529 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. 0.006 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

Tgt Ion: 97 Resp: 66915
 Ion Ratio Lower Upper
 97 100
 99 67.2 51.8 77.6
 61 53.2 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

ClientSampleId :

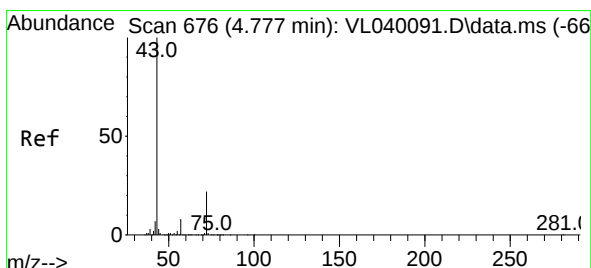
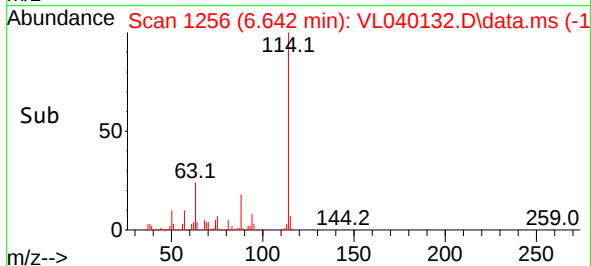
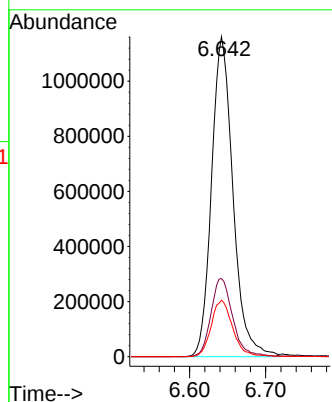
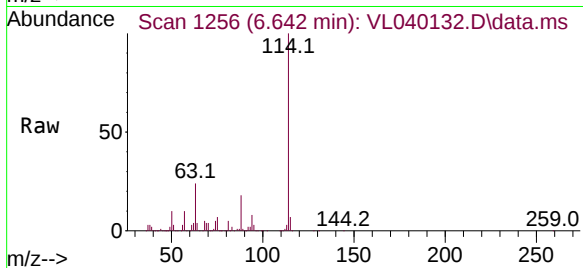
Tgt Ion:114 Resp: 2277077

Ion Ratio Lower Upper

114 100

63 25.1 21.8 32.8

88 17.9 14.8 22.2



#34

2-Butanone

Concen: 0.519 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.016 min

Lab File: VL040132.D

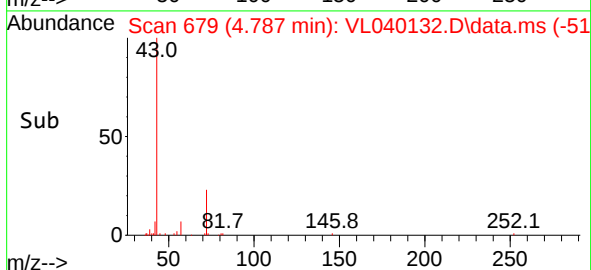
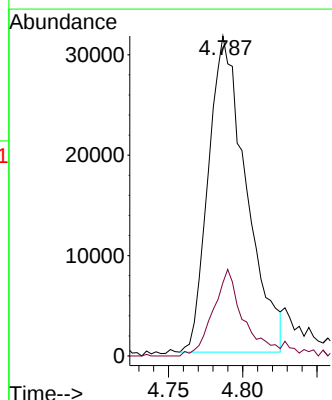
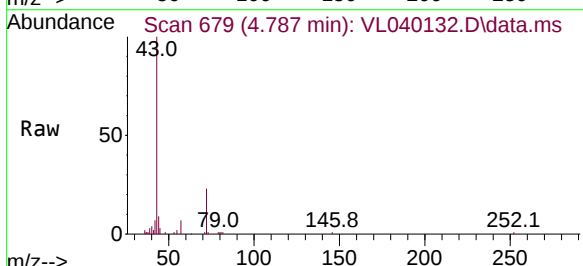
Acq: 30 Jan 2023 14:39

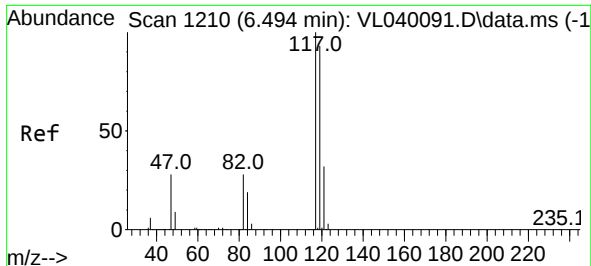
Tgt Ion: 43 Resp: 55949

Ion Ratio Lower Upper

43 100

72 24.4 18.4 27.6

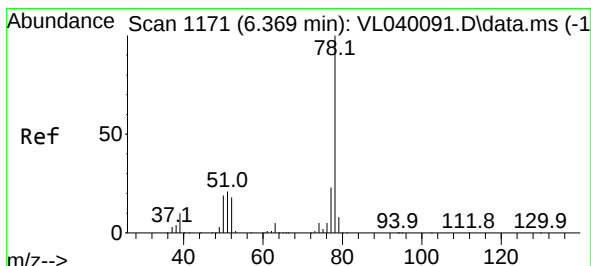
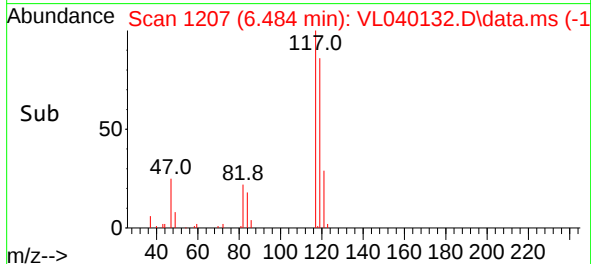
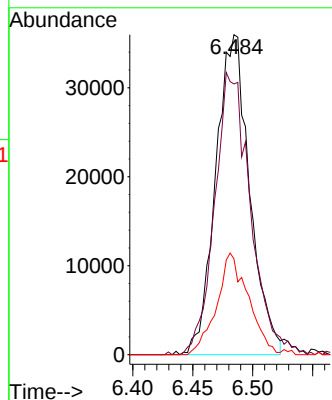
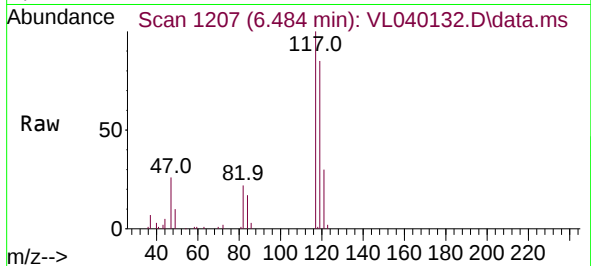




#35
Carbon Tetrachloride
Concen: 0.550 ppbv
RT: 6.484 min Scan# 1168
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

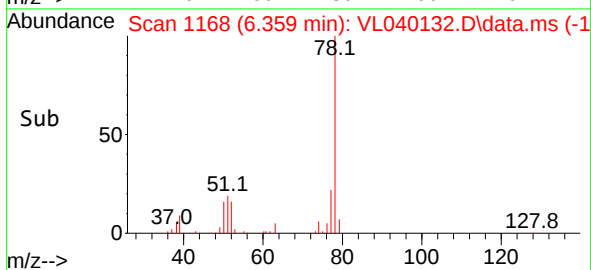
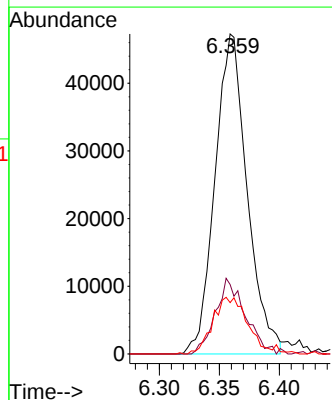
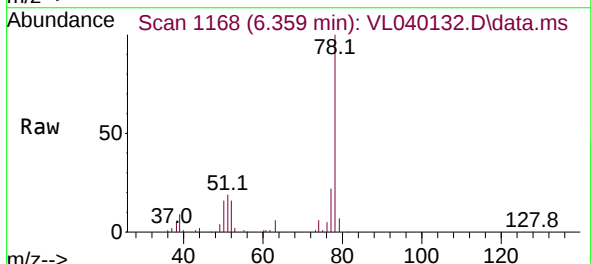
Instrument :
MSVOA_L
ClientSampleId :

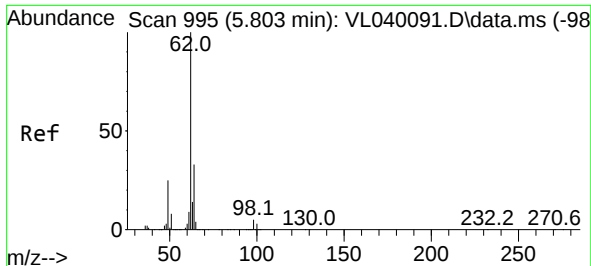
Tgt Ion:117 Resp: 70847
Ion Ratio Lower Upper
117 100
119 84.6 74.5 111.7
121 30.0 25.4 38.0



#36
Benzene
Concen: 0.522 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Tgt Ion: 78 Resp: 88042
Ion Ratio Lower Upper
78 100
77 21.7 18.1 27.1
50 15.6 15.6 23.4

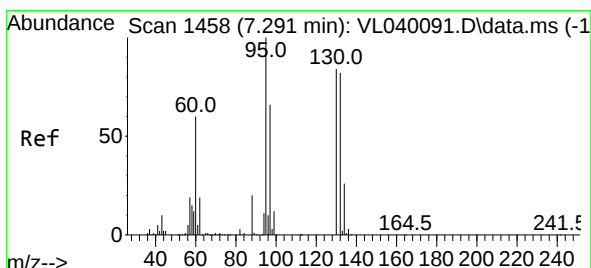
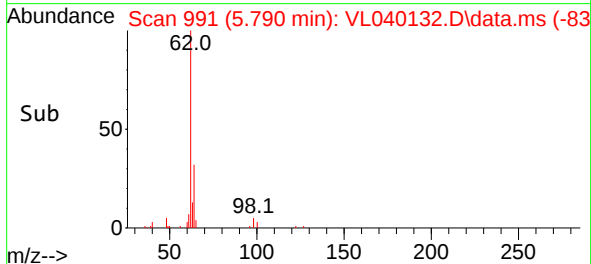
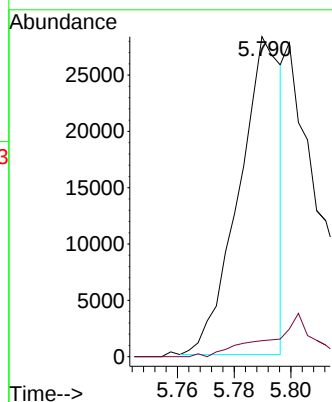
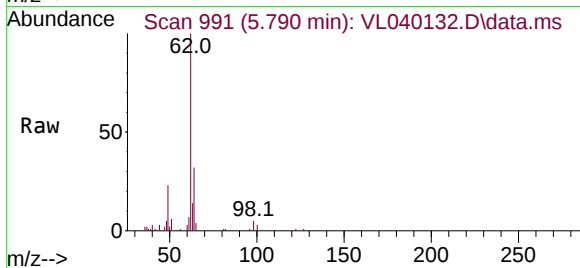




#37
1,2-Dichloroethane
Concen: 0.268 ppbv
RT: 5.790 min Scan# 995
Delta R.T. 0.000 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

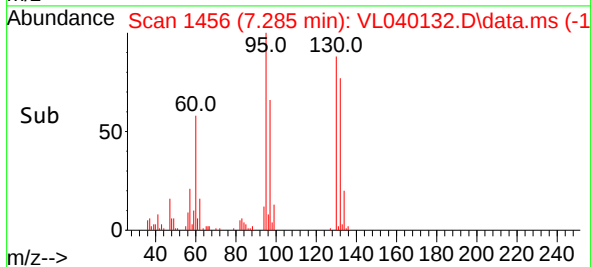
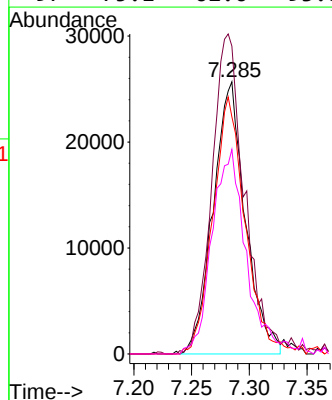
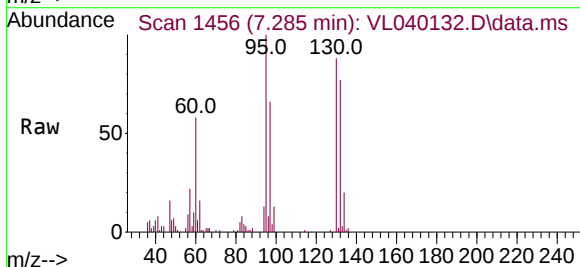
Instrument :
MSVOA_L
ClientSampleId :

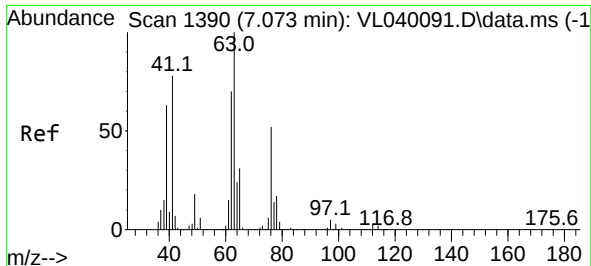
Tgt Ion: 62 Resp: 28992
Ion Ratio Lower Upper
62 100
98 0.0 4.4 6.6#



#38
Trichloroethene
Concen: 0.520 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Tgt Ion:130 Resp: 49749
Ion Ratio Lower Upper
130 100
95 111.8 95.0 142.6
132 87.1 77.9 116.9
97 75.1 62.6 93.8





#39

1,2-Dichloropropane

Concen: 0.546 ppbv

RT: 7.060 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

ClientSampleId :

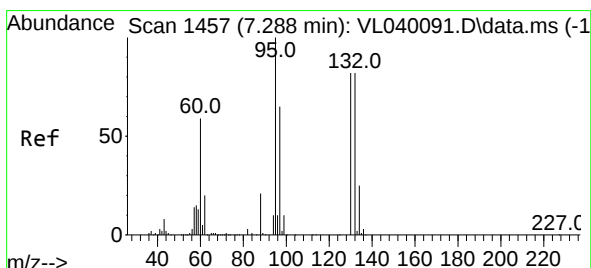
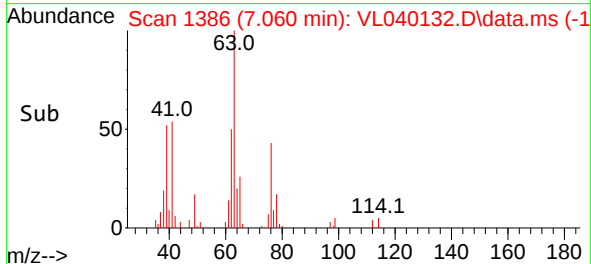
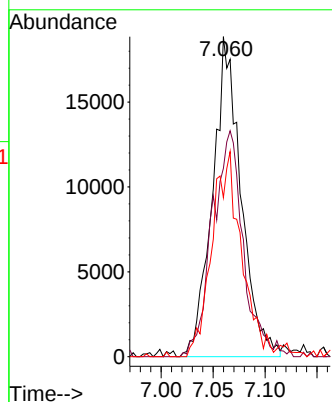
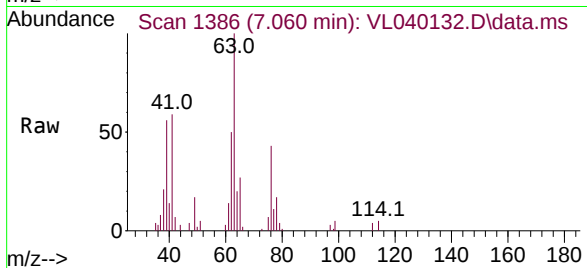
Tgt Ion: 63 Resp: 35977

Ion Ratio Lower Upper

63 100

41 58.9 62.2 93.4#

62 49.7 55.8 83.8#



#40

1,4-Dioxane

Concen: 0.009 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.010 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Tgt Ion: 88 Resp: 246

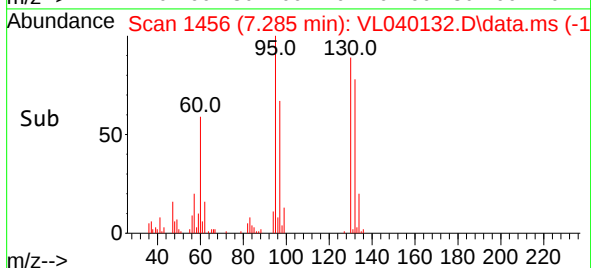
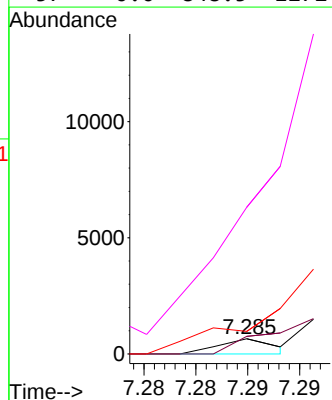
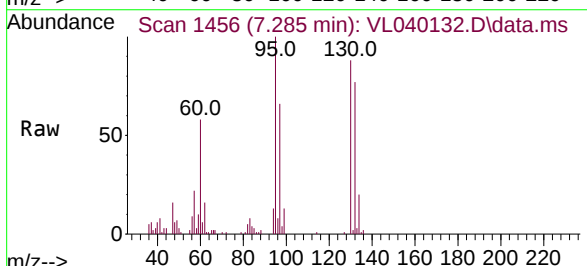
Ion Ratio Lower Upper

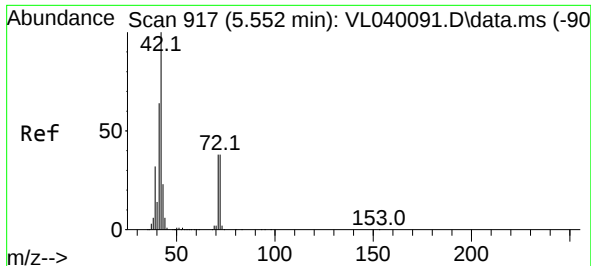
88 100

58 0.0 97.5 146.3#

43 0.0 195.0 292.4#

57 0.0 848.5 1272.7#





#41

Tetrahydrofuran

Concen: 0.457 ppbv

RT: 5.574 min Scan# 917

Delta R.T. 0.032 min

Lab File: VL040132.D

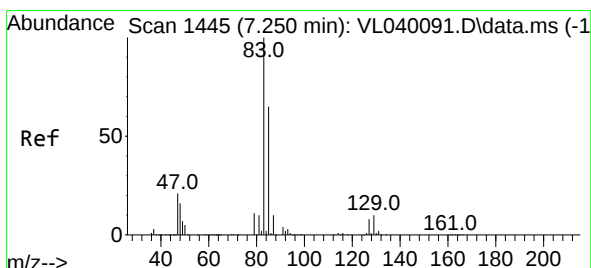
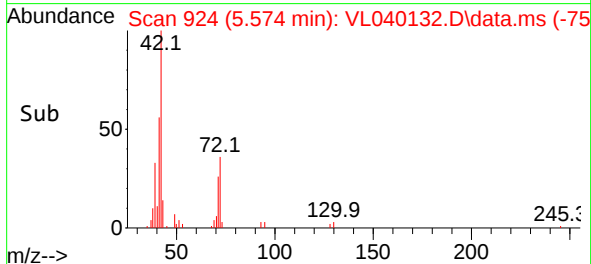
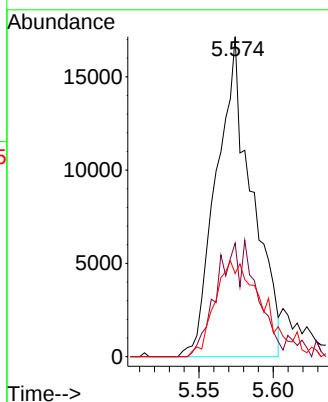
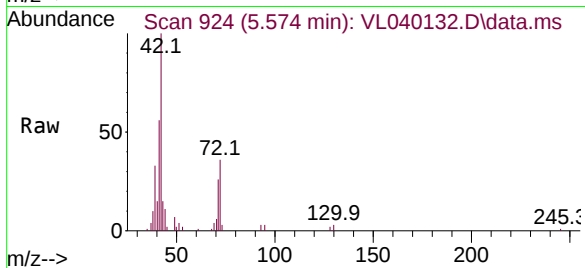
Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	42	Resp:	28390
Ion	Ratio	Lower	Upper
42	100		
72	45.0	31.9	47.9
71	42.8	31.4	47.2



#42

Bromodichloromethane

Concen: 0.484 ppbv

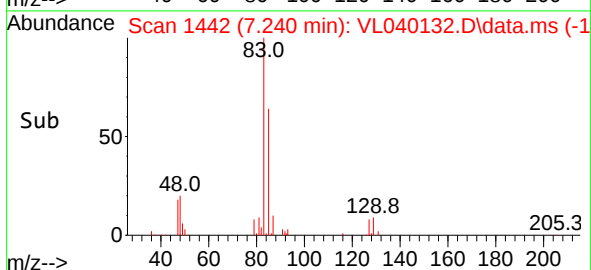
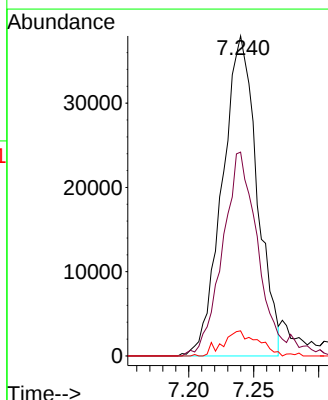
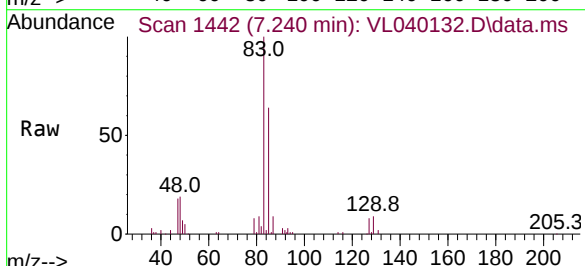
RT: 7.240 min Scan# 1442

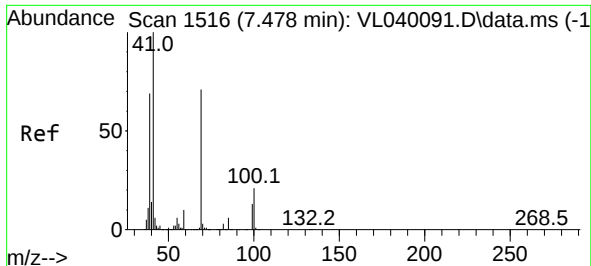
Delta R.T. 0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Tgt Ion:	83	Resp:	70805
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.7	77.5
127	7.8	6.2	9.2

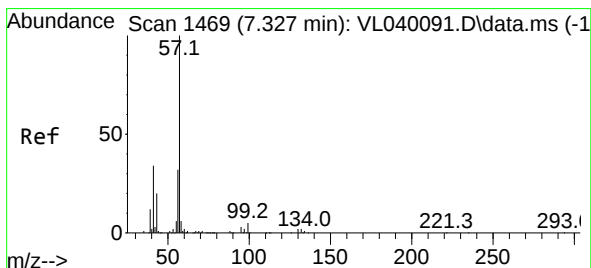
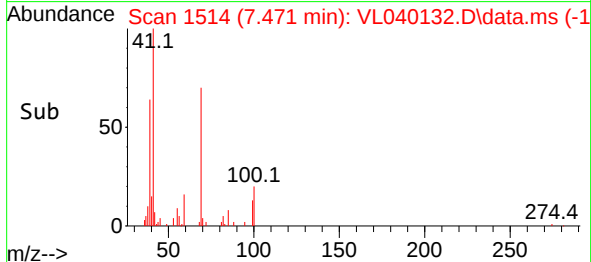
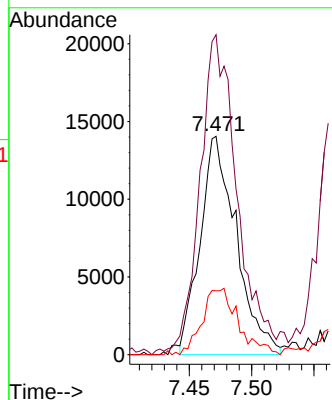
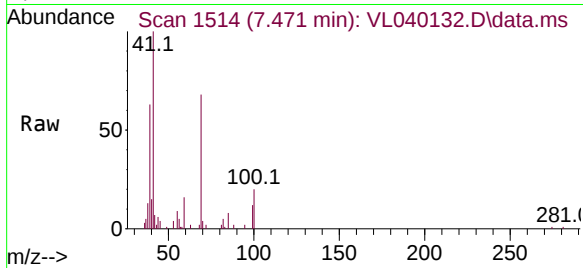




#43
Methyl Methacrylate
Concen: 0.460 ppbv
RT: 7.471 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

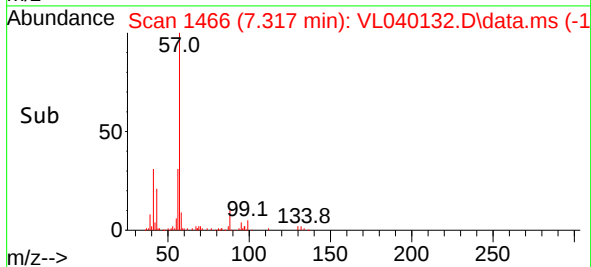
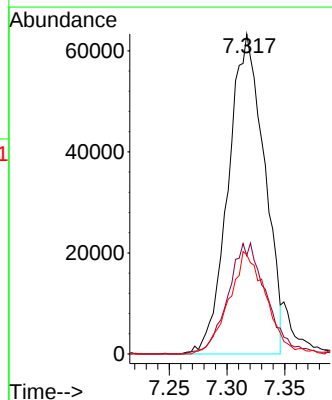
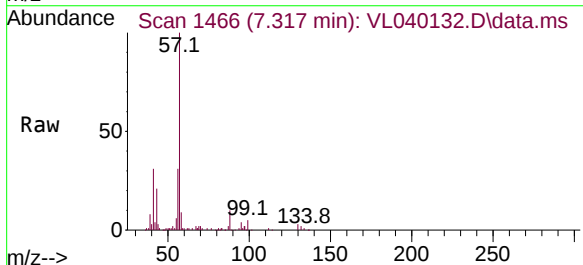
Instrument :
MSVOA_L
ClientSampleId :

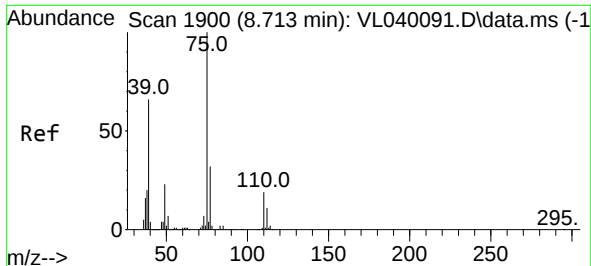
Tgt Ion: 69 Resp: 28467
Ion Ratio Lower Upper
69 100
41 154.0 118.2 177.2
100 30.3 24.2 36.4



#44
2,2,4-Trimethylpentane
Concen: 0.491 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Tgt Ion: 57 Resp: 137599
Ion Ratio Lower Upper
57 100
41 37.5 27.1 40.7
56 33.2 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 0.398 ppbv

RT: 8.706 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

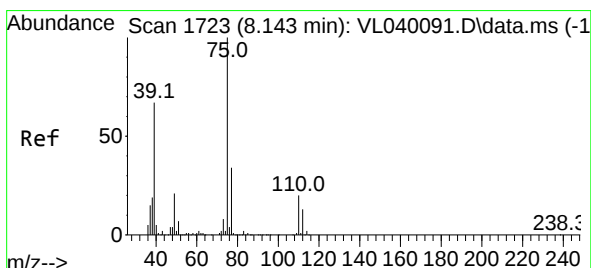
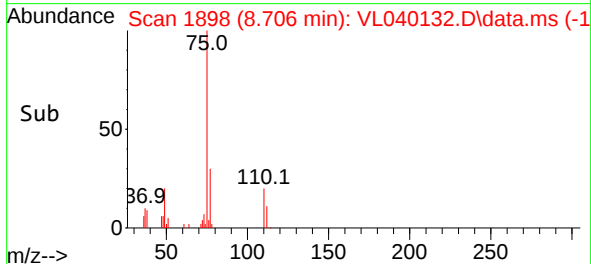
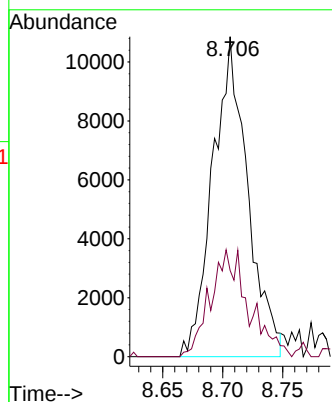
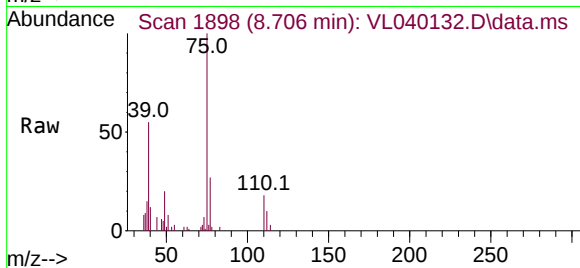
ClientSampleId :

Tgt Ion: 75 Resp: 21950

Ion Ratio Lower Upper

75 100

77 27.0 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 0.428 ppbv

RT: 8.134 min Scan# 1720

Delta R.T. 0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

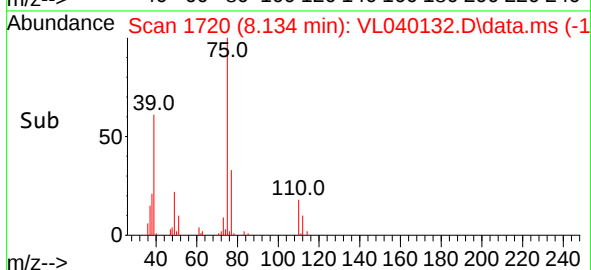
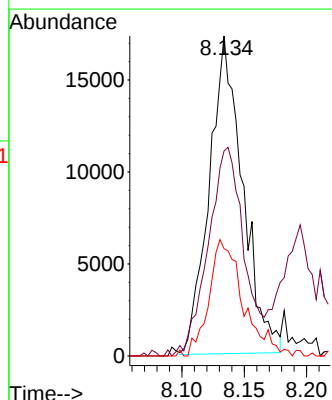
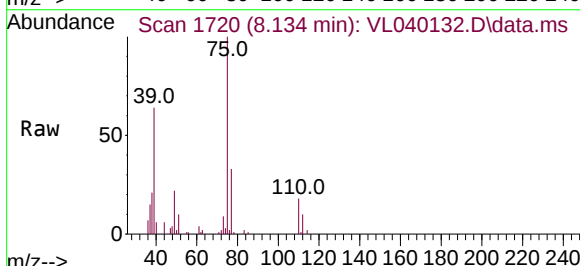
Tgt Ion: 75 Resp: 32249

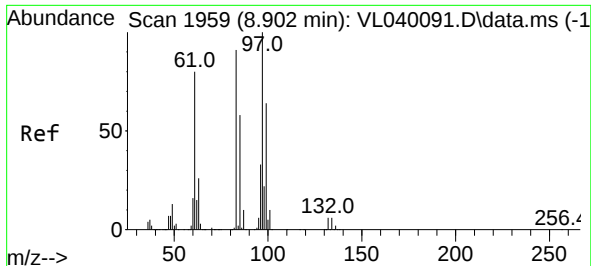
Ion Ratio Lower Upper

75 100

39 61.4 53.6 80.4

77 32.6 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 0.525 ppbv

RT: 8.889 min Scan# 1959

Delta R.T. 0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 36425

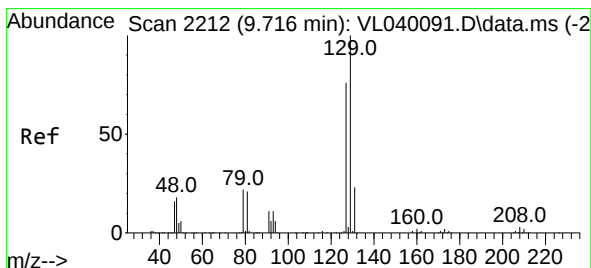
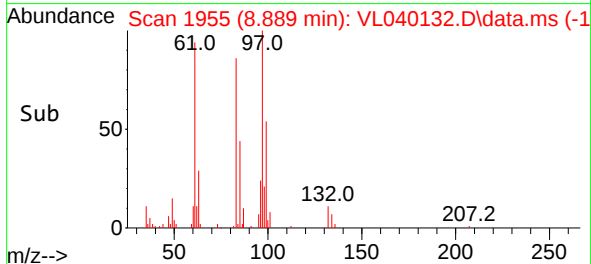
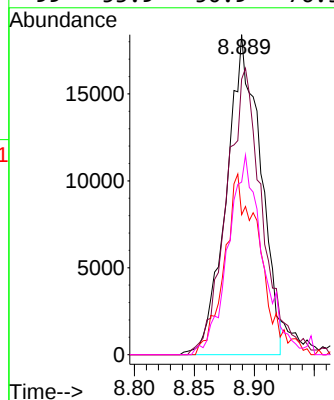
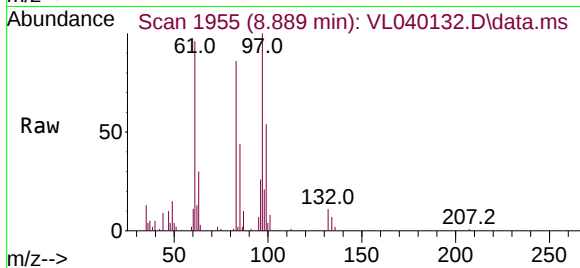
Ion Ratio Lower Upper

97 100

83 86.1 72.9 109.3

85 43.8 46.0 69.0#

99 53.9 50.9 76.3



#48

Dibromochloromethane

Concen: 0.219 ppbv

RT: 9.696 min Scan# 2206

Delta R.T. -0.003 min

Lab File: VL040132.D

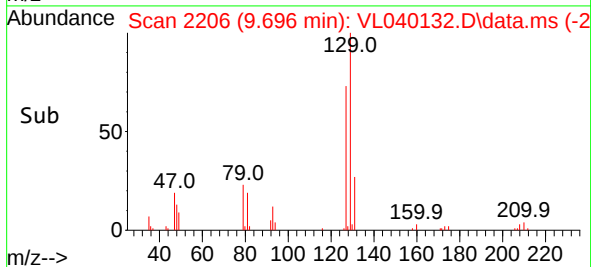
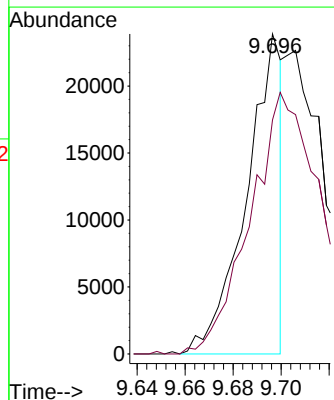
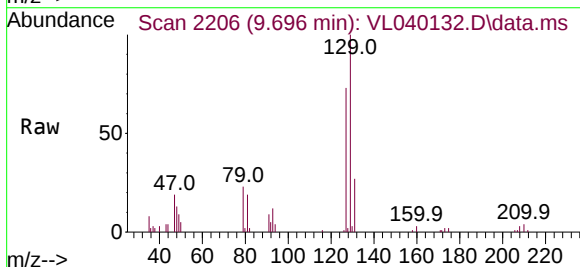
Acq: 30 Jan 2023 14:39

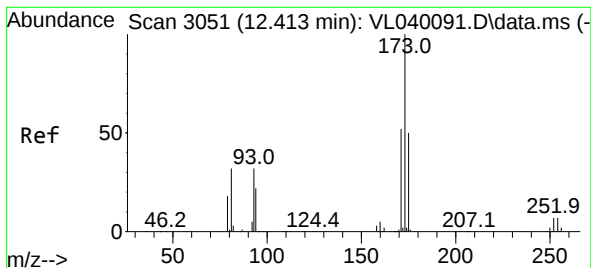
Tgt Ion: 129 Resp: 24421

Ion Ratio Lower Upper

129 100

127 172.7 39.3 117.9#





#49

Bromoform

Concen: 0.259 ppbv

RT: 12.400 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

ClientSampleId :

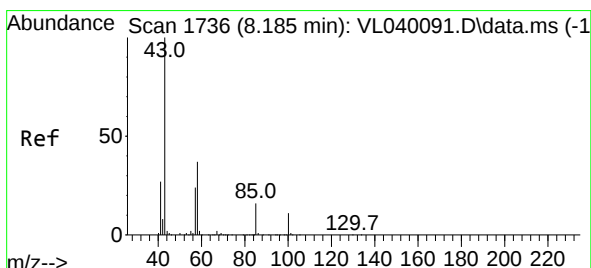
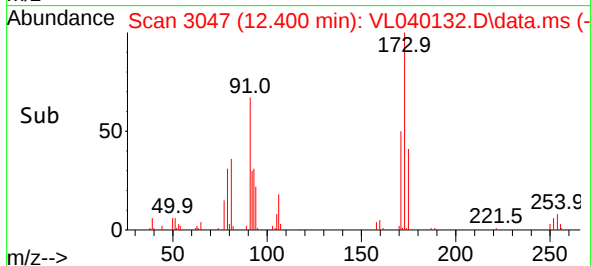
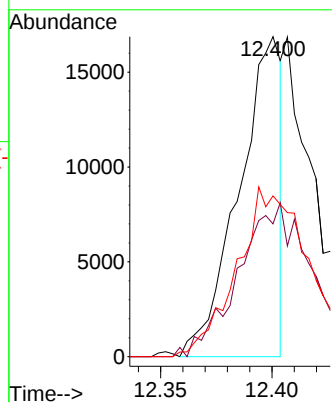
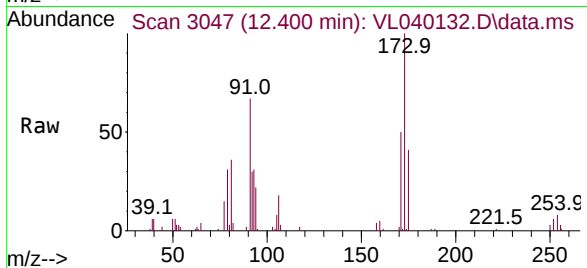
Tgt Ion:173 Resp: 22261

Ion Ratio Lower Upper

173 100

175 0.0 39.7 59.5#

171 91.0 42.2 63.2#



#50

4-Methyl-2-Pentanone

Concen: 0.267 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.026 min

Lab File: VL040132.D

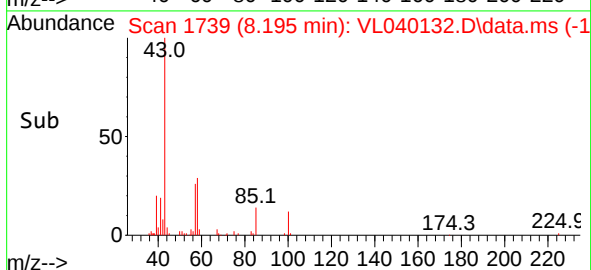
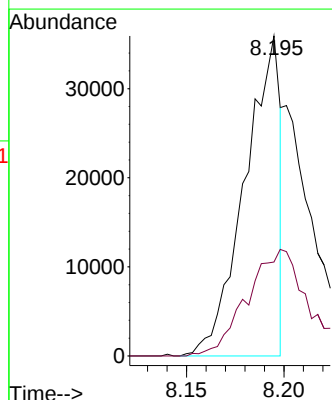
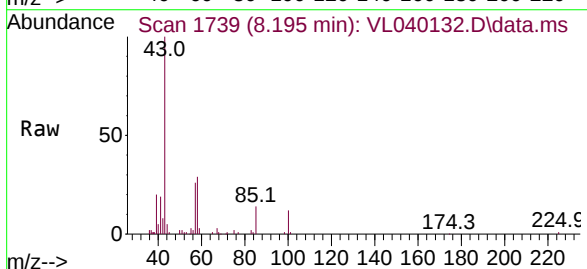
Acq: 30 Jan 2023 14:39

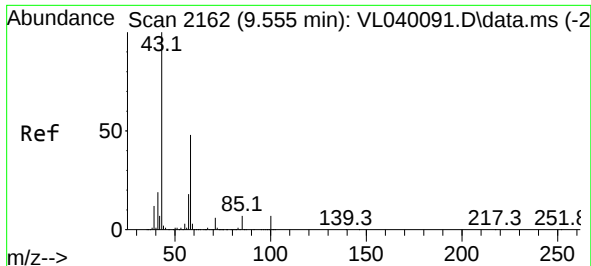
Tgt Ion: 43 Resp: 45295

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#

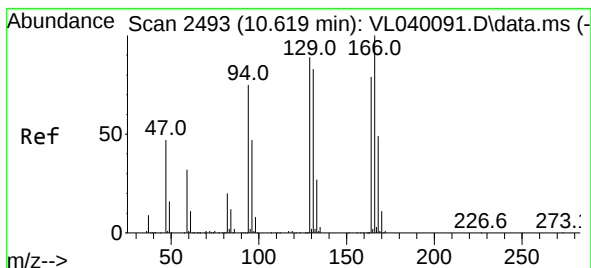
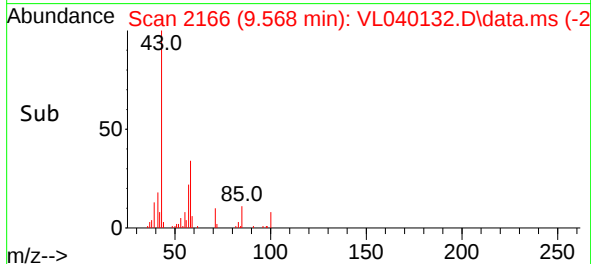
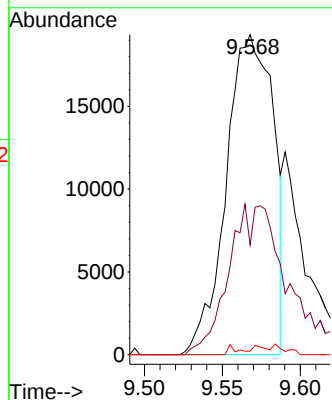
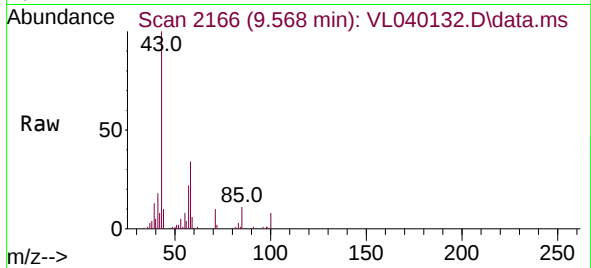




#51
2-Hexanone
Concen: 0.317 ppbv
RT: 9.568 min Scan# 2166
Delta R.T. 0.026 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

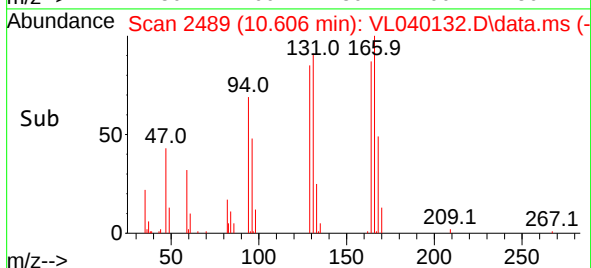
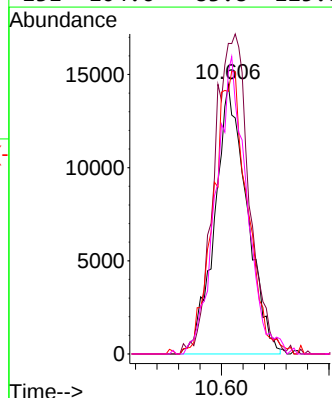
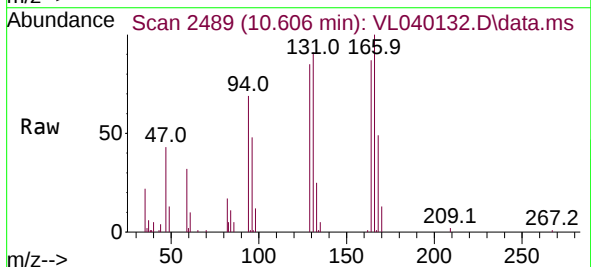
Instrument :
MSVOA_L
ClientSampleId :

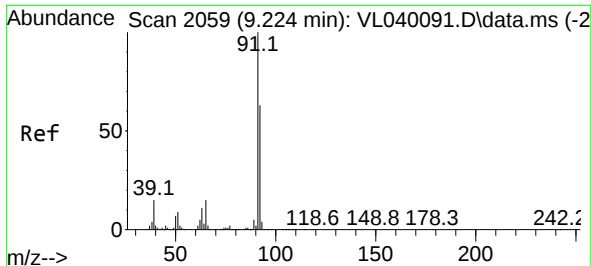
Tgt Ion: 43 Resp: 40671
Ion Ratio Lower Upper
43 100
58 60.8 37.5 56.3#
98 0.1 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.547 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. 0.000 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Tgt Ion: 164 Resp: 30168
Ion Ratio Lower Upper
164 100
166 115.2 101.2 151.8
129 97.4 90.2 135.2
131 104.6 83.8 125.8

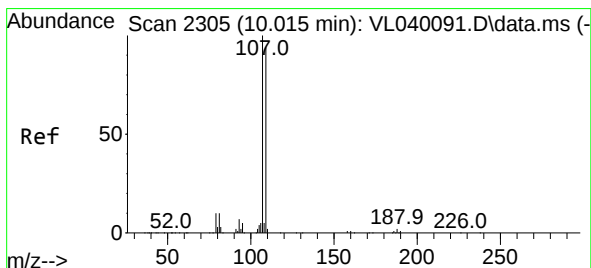
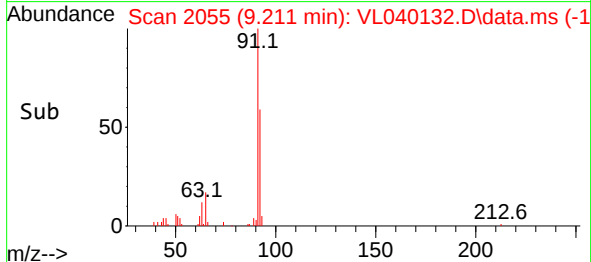
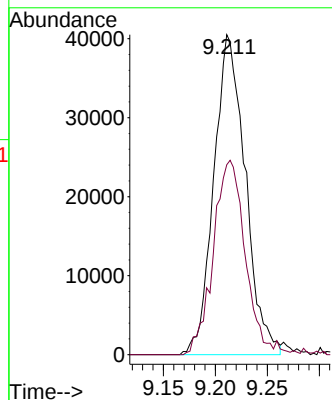
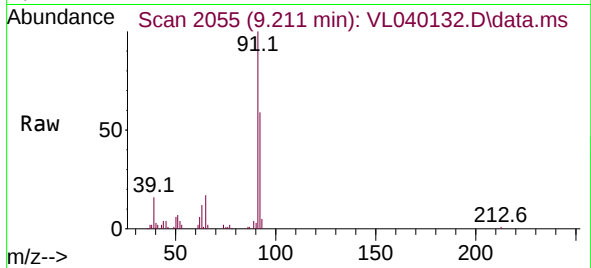




#53
Toluene
Concen: 0.475 ppbv
RT: 9.211 min Scan# 2055
Delta R.T. 0.000 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

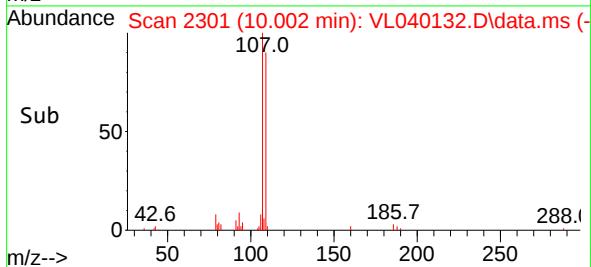
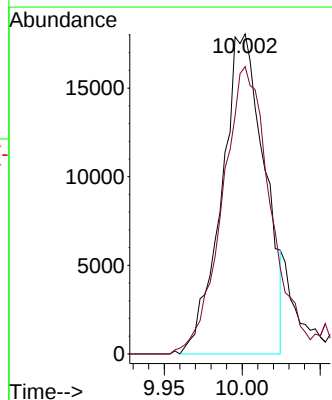
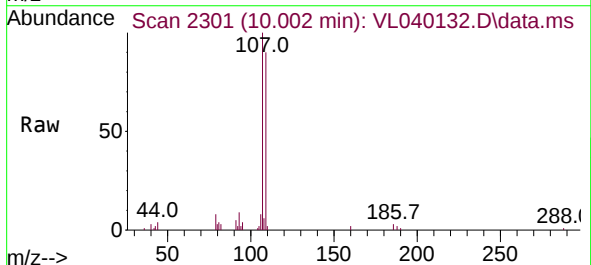
Instrument :
MSVOA_L
ClientSampleId :

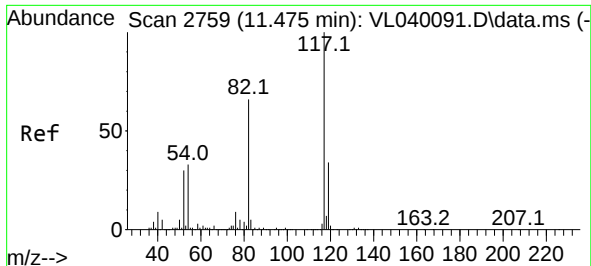
Tgt Ion: 91 Resp: 85305
Ion Ratio Lower Upper
91 100
92 62.6 48.3 72.5



#54
1,2-Dibromoethane
Concen: 0.475 ppbv
RT: 10.002 min Scan# 2301
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Tgt Ion: 107 Resp: 34540
Ion Ratio Lower Upper
107 100
109 88.0 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.458 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_1

ClientSampleId :

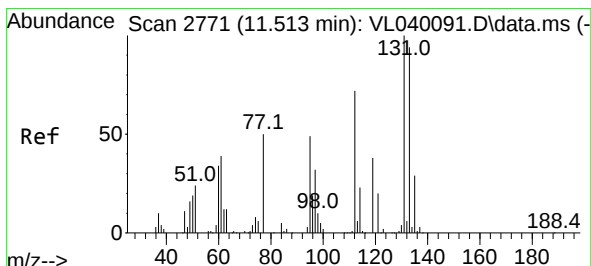
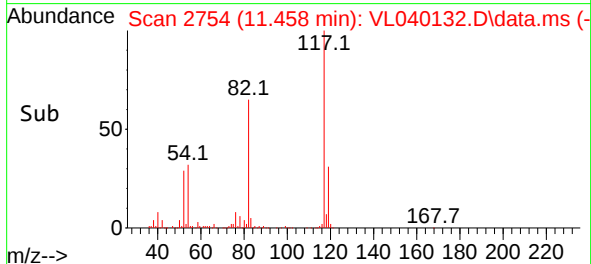
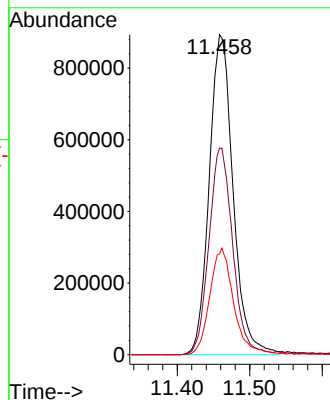
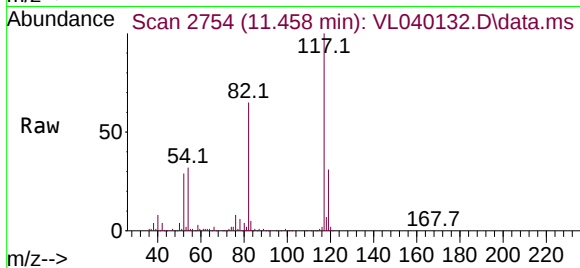
Tgt Ion:117 Resp: 2042379

Ion Ratio Lower Upper

117 100

82 65.0 54.4 81.6

119 33.7 26.8 40.2



#56

1,1,1,2-Tetrachloroethane

Concen: 0.285 ppbv

RT: 11.503 min Scan# 2768

Delta R.T. 0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

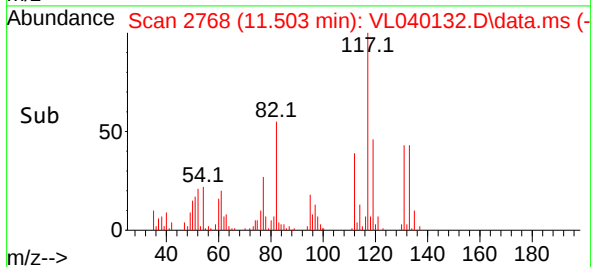
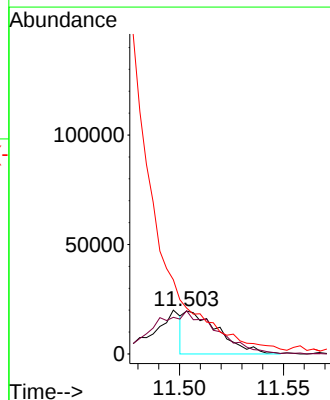
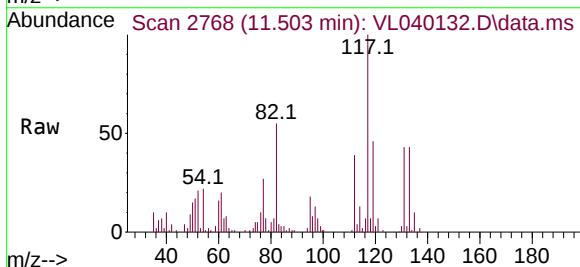
Tgt Ion:131 Resp: 22647

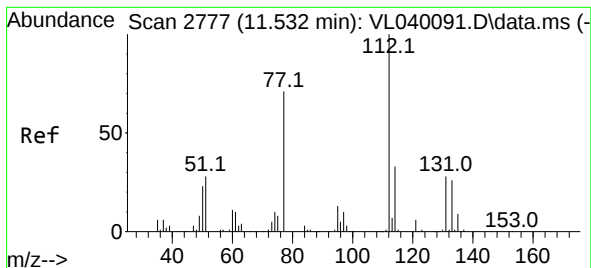
Ion Ratio Lower Upper

131 100

133 191.7 75.6 113.4#

119 0.0 47.2 70.8#





#57

Chlorobenzene

Concen: 0.558 ppbv

RT: 11.519 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040132.D

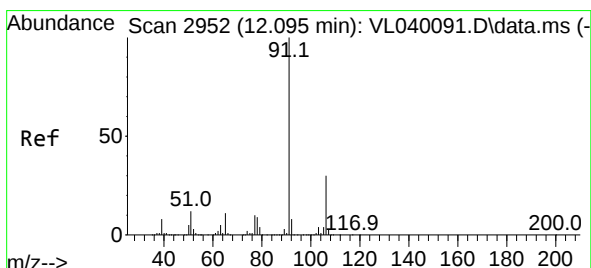
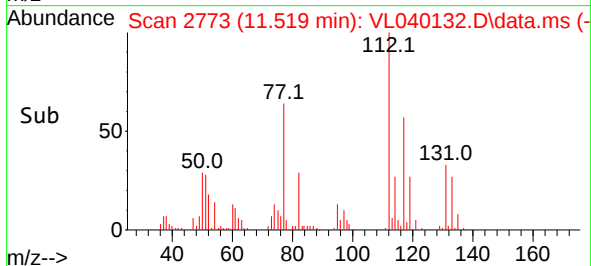
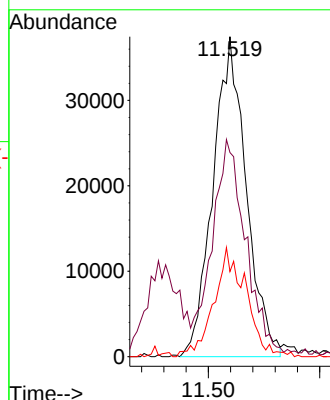
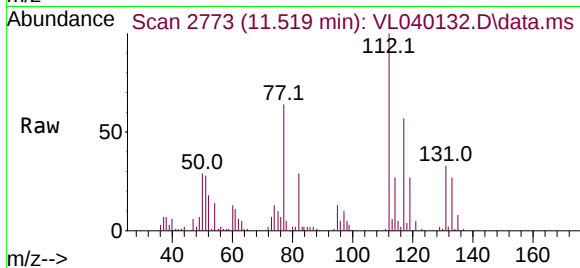
Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	112	Resp:	77690
Ion Ratio	Lower	Upper	
112	100		
77	61.0	57.3	85.9
114	25.2	29.6	36.2#



#58

Ethyl Benzene

Concen: 0.486 ppbv

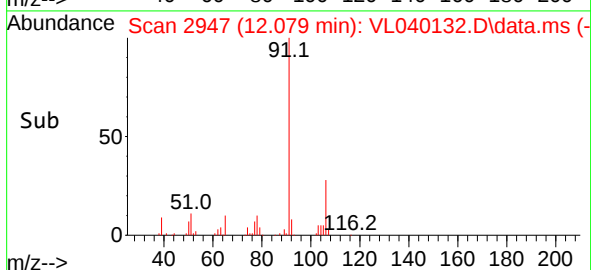
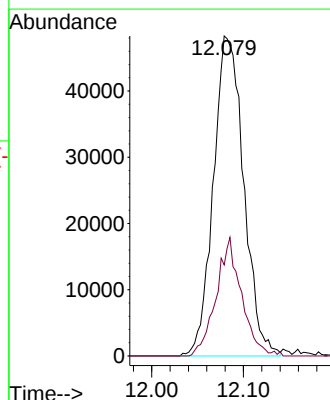
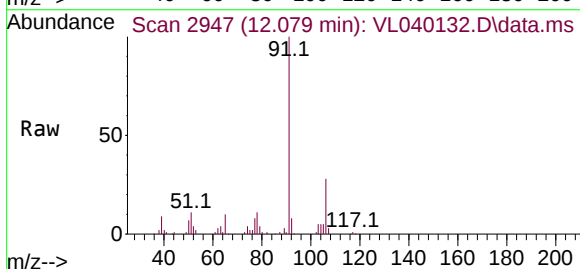
RT: 12.079 min Scan# 2947

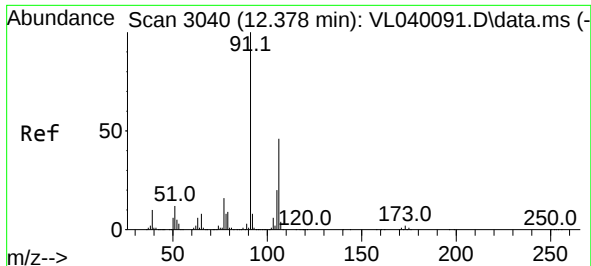
Delta R.T. -0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Tgt Ion:	91	Resp:	110815
Ion Ratio	Lower	Upper	
91	100		
106	28.4	23.7	35.5





#59

m/p-Xylene

Concen: 0.100 ppbv

RT: 12.362 min Scan# 3040

Delta R.T. -0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

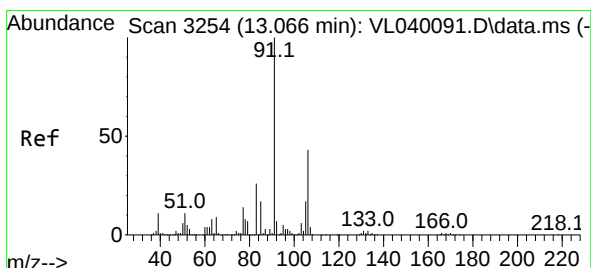
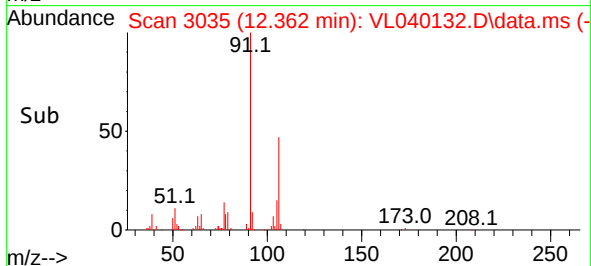
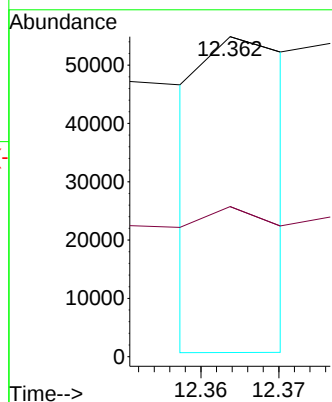
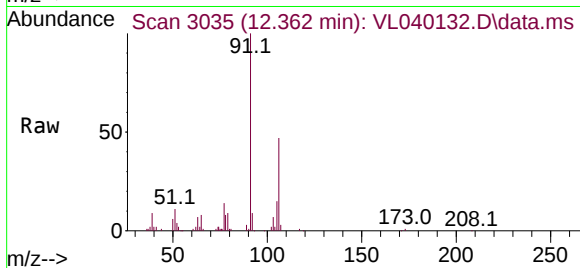
ClientSampleId :

Tgt Ion: 91 Resp: 20400

Ion Ratio Lower Upper

91 100

106 435.8 34.2 51.4#



#60

o-Xylene

Concen: 0.485 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. 0.006 min

Lab File: VL040132.D

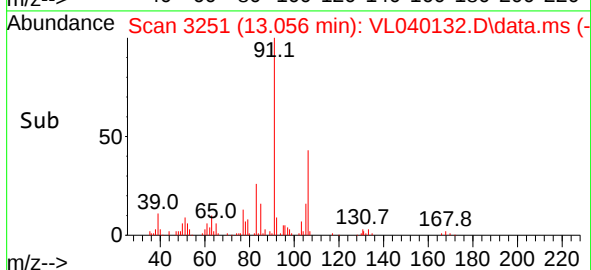
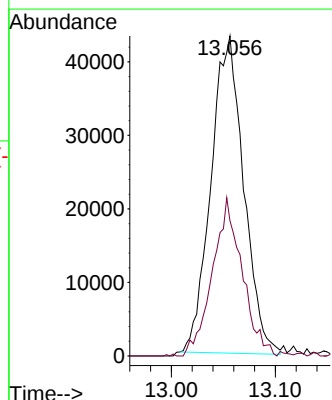
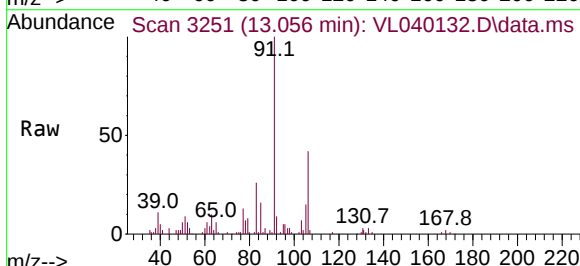
Acq: 30 Jan 2023 14:39

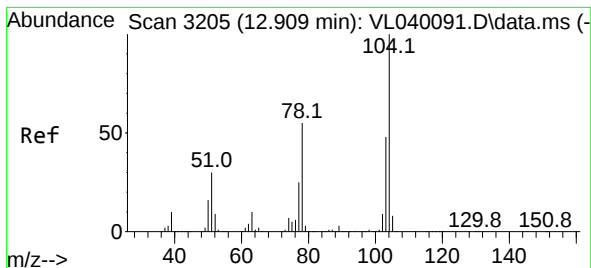
Tgt Ion: 91 Resp: 94421

Ion Ratio Lower Upper

91 100

106 45.6 21.6 64.8





#61

Styrene

Concen: 0.414 ppbv

RT: 12.892 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

ClientSampleId :

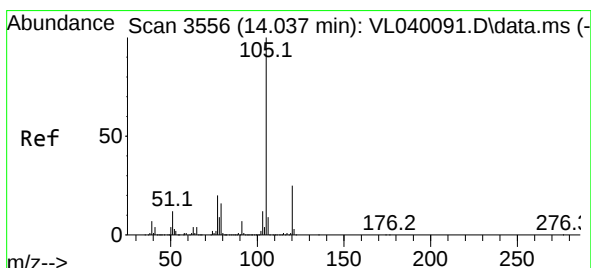
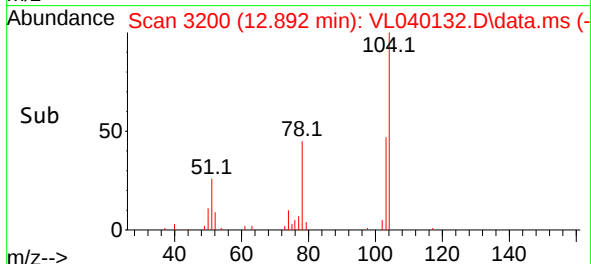
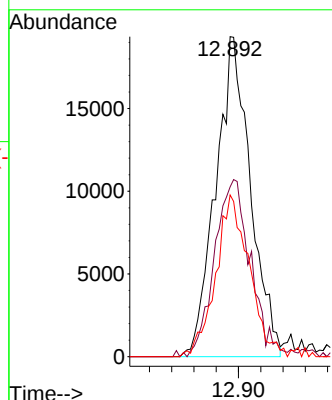
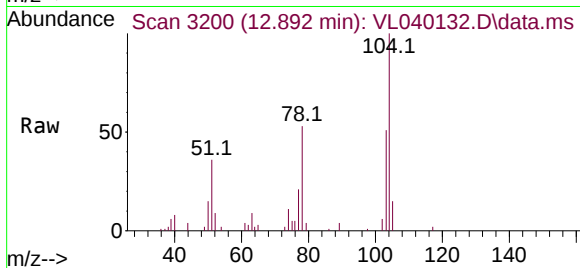
Tgt Ion:104 Resp: 41948

Ion Ratio Lower Upper

104 100

78 58.5 44.0 66.0

103 49.5 37.8 56.6



#62

Isopropylbenzene

Concen: 0.532 ppbv

RT: 14.027 min Scan# 3553

Delta R.T. 0.003 min

Lab File: VL040132.D

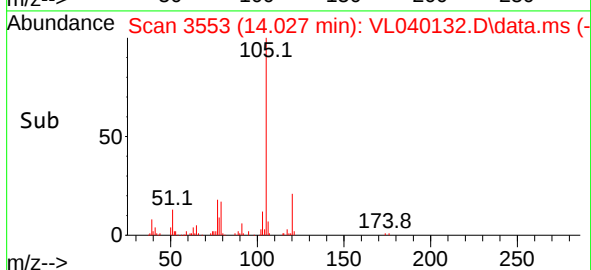
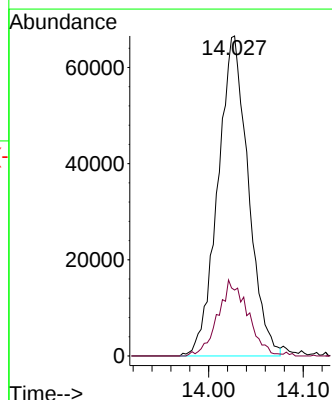
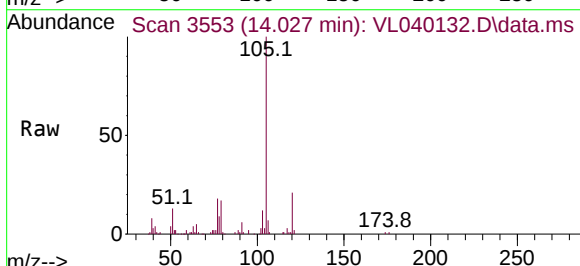
Acq: 30 Jan 2023 14:39

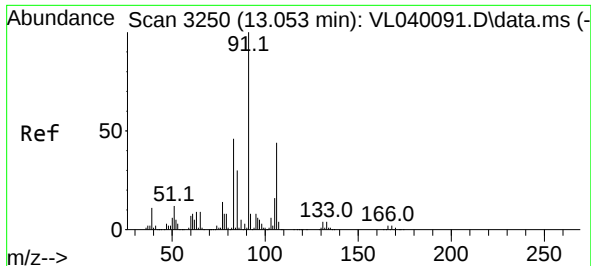
Tgt Ion:105 Resp: 148788

Ion Ratio Lower Upper

105 100

120 23.6 20.2 30.2

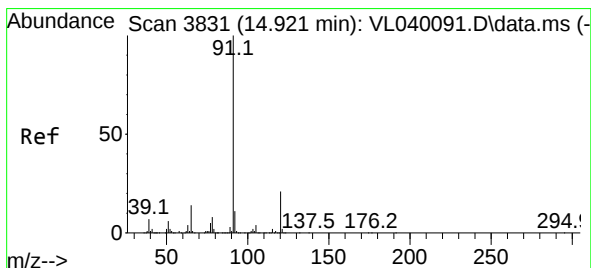
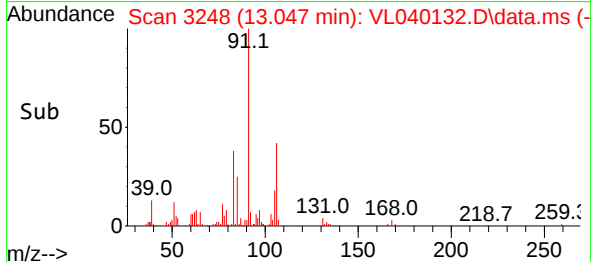
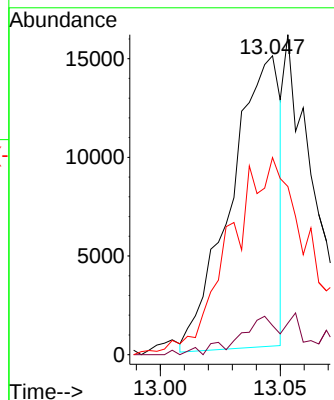
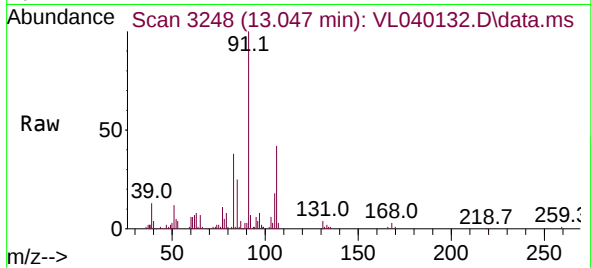




#63
1,1,2,2-Tetrachloroethane
Concen: 0.299 ppbv
RT: 13.047 min Scan# 311
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

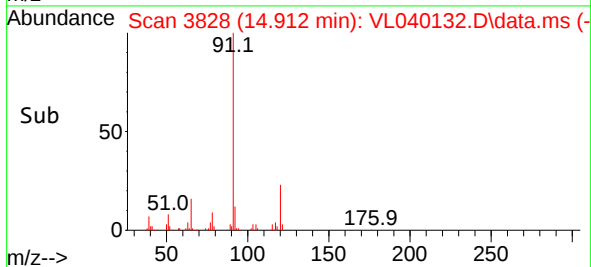
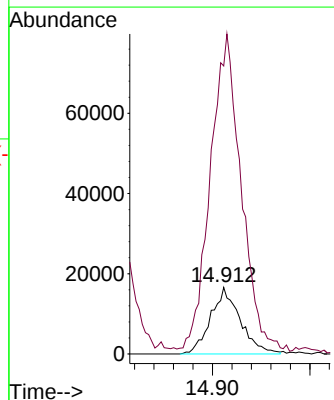
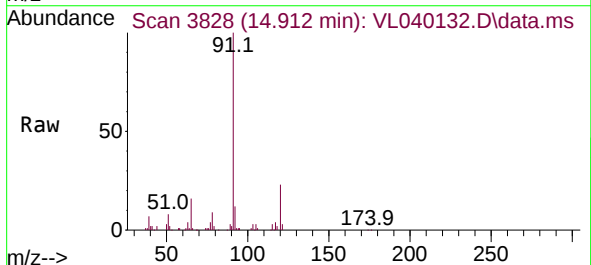
Instrument :
MSVOA_L
ClientSampleId :

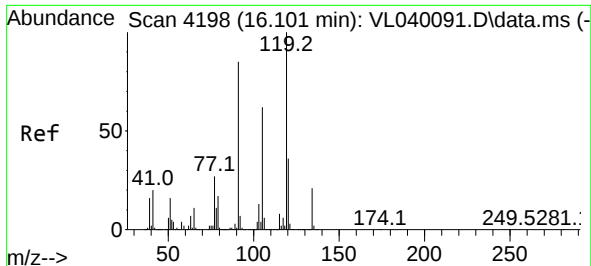
Tgt Ion: 83 Resp: 21137
Ion Ratio Lower Upper
83 100
131 0.0 4.3 13.1#
85 118.2 32.5 97.5#



#64
n-propylbenzene
Concen: 0.501 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. 0.000 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Tgt Ion: 120 Resp: 34868
Ion Ratio Lower Upper
120 100
91 504.3 397.0 595.4

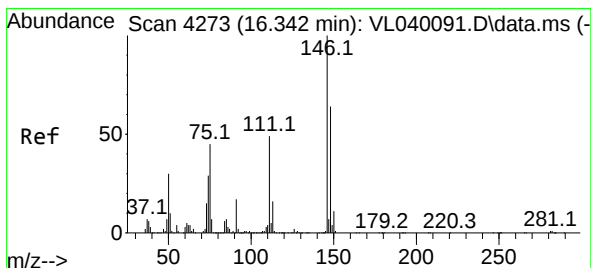
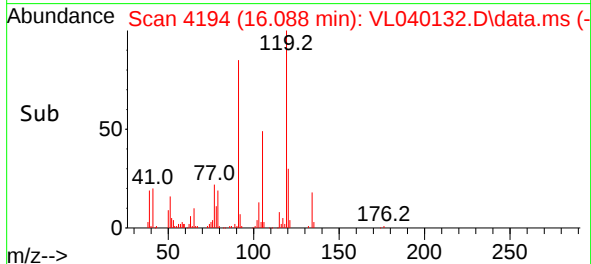
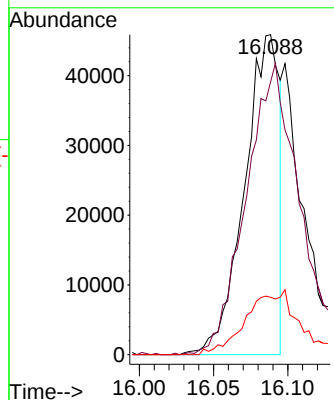
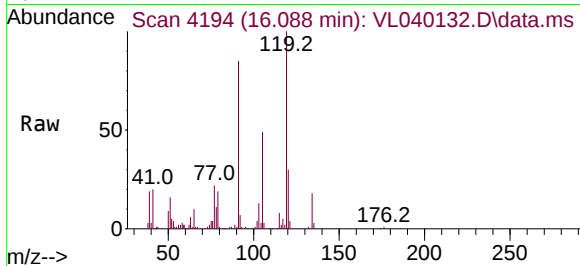




#65
tert-Butylbenzene
Concen: 0.313 ppbv
RT: 16.088 min Scan# 4198
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

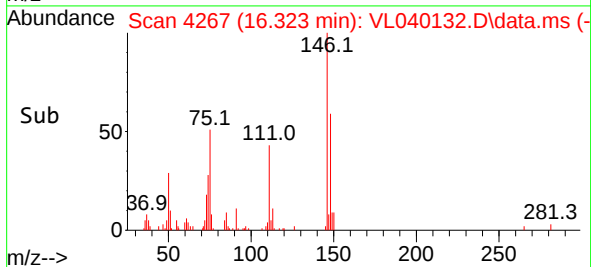
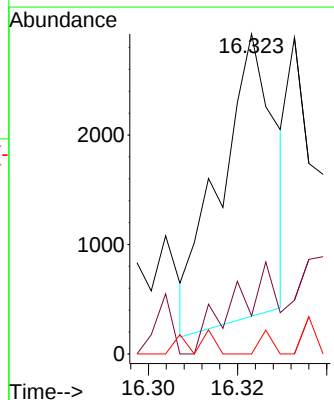
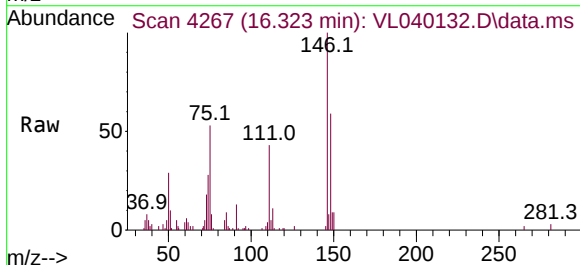
Instrument :
MSVOA_L
ClientSampleId :

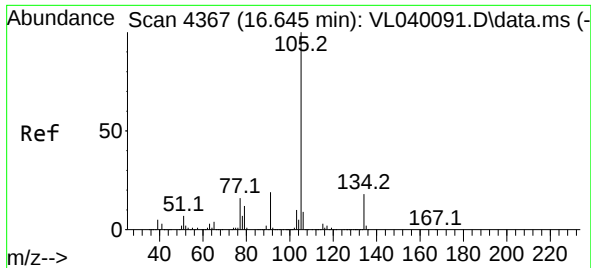
Tgt Ion: 119 Resp: 75009
Ion Ratio Lower Upper
119 100
91 143.6 69.5 104.3#
134 0.0 15.8 23.8#



#66
Benzyl Chloride
Concen: 0.135 ppbv
RT: 16.323 min Scan# 4267
Delta R.T. 0.000 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Tgt Ion: 91 Resp: 2212
Ion Ratio Lower Upper
91 100
126 21.1 11.5 17.3#
128 5.4 0.0 0.0#

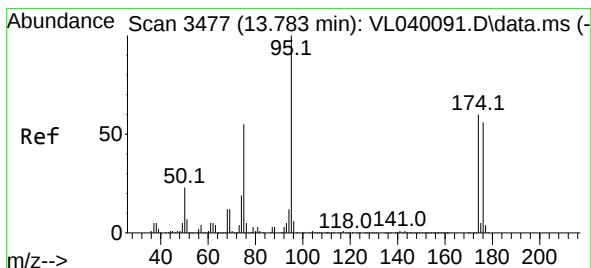
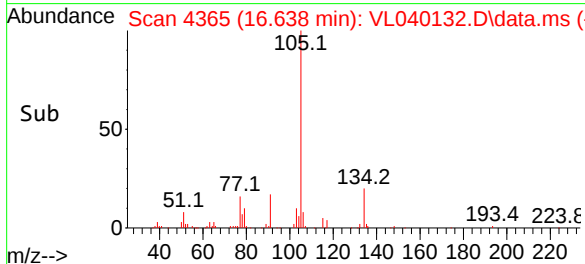
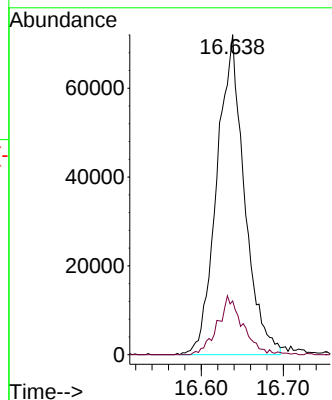
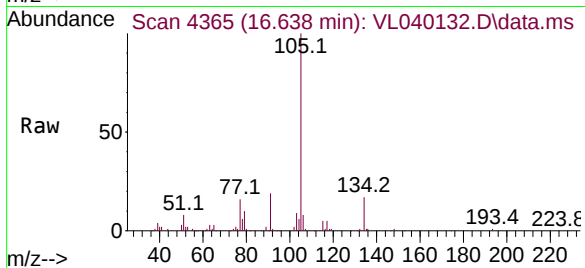




#67
 sec-Butylbenzene
 Concen: 0.495 ppbv
 RT: 16.638 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

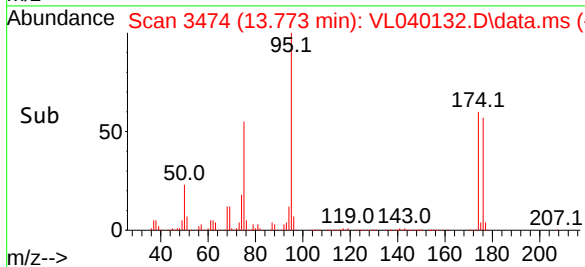
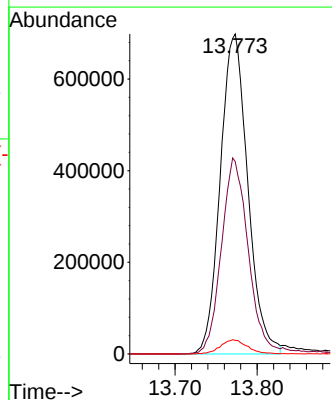
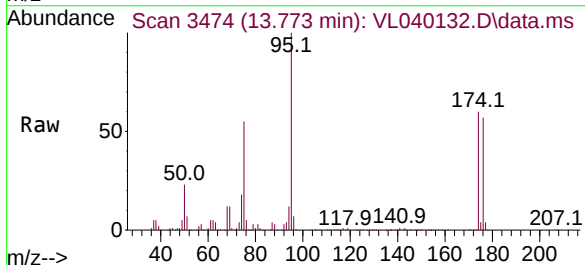
Instrument :
 MSVOA_L
 ClientSampleId :

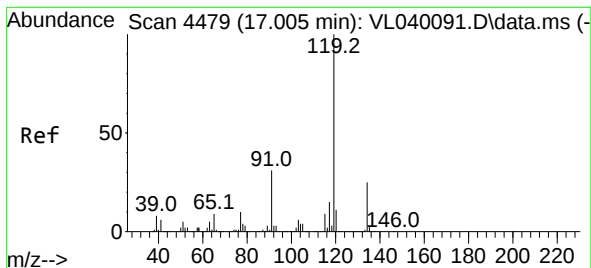
Tgt Ion:105 Resp: 168234
 Ion Ratio Lower Upper
 105 100
 134 17.1 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.595 ppbv
 RT: 13.773 min Scan# 3474
 Delta R.T. 0.003 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

Tgt Ion: 95 Resp: 1628623
 Ion Ratio Lower Upper
 95 100
 174 61.3 47.7 71.5
 175 4.5 3.4 5.2





#69

p-Isopropyltoluene

Concen: 0.307 ppbv

RT: 16.992 min Scan# 4479

Delta R.T. 0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

ClientSampleId :

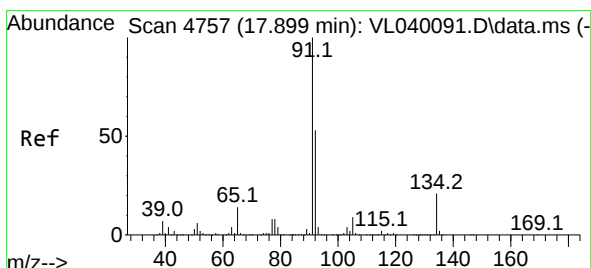
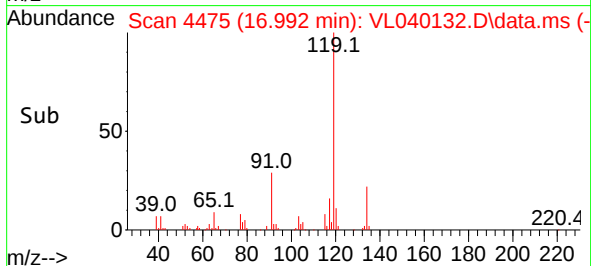
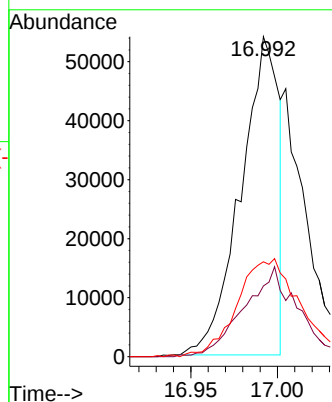
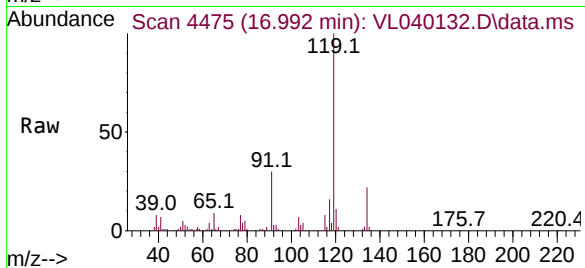
Tgt Ion:119 Resp: 81992

Ion Ratio Lower Upper

119 100

134 41.4 20.1 30.1#

91 53.3 25.0 37.4#



#70

n-Butylbenzene

Concen: 0.465 ppbv

RT: 17.886 min Scan# 4753

Delta R.T. 0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

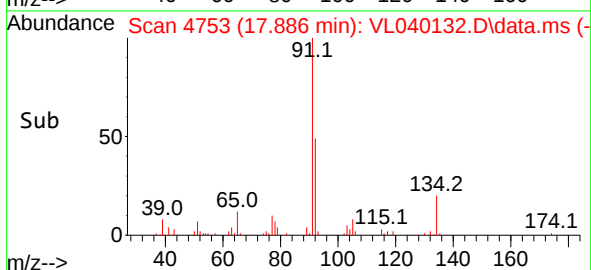
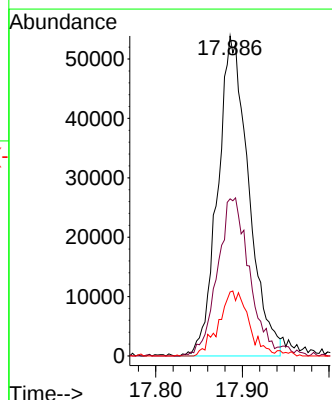
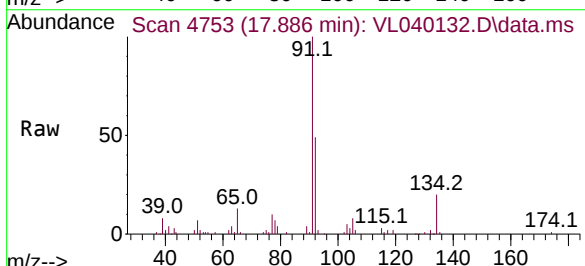
Tgt Ion: 91 Resp: 133857

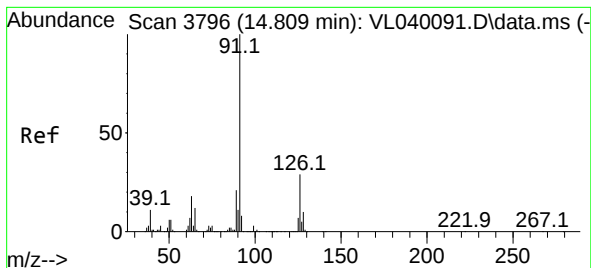
Ion Ratio Lower Upper

91 100

92 52.5 42.8 64.2

134 20.2 16.9 25.3





#71

2-Chlorotoluene

Concen: 0.484 ppbv

RT: 14.799 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

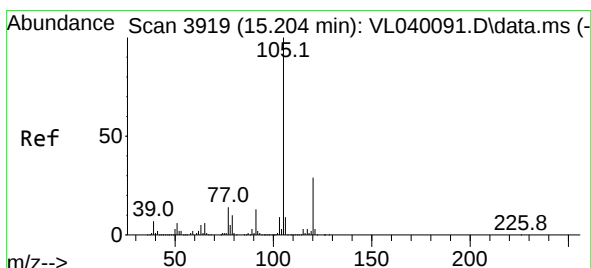
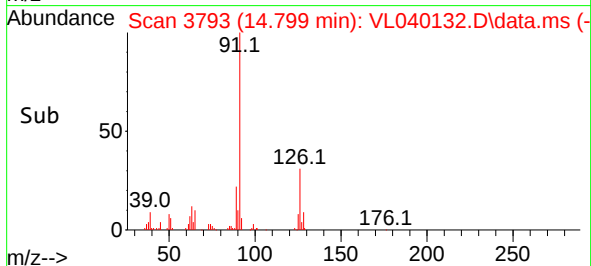
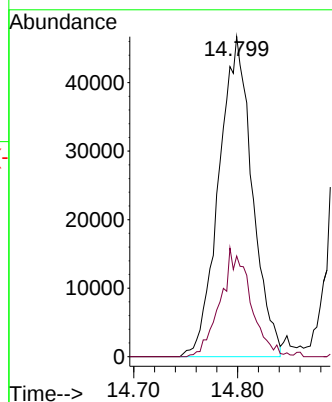
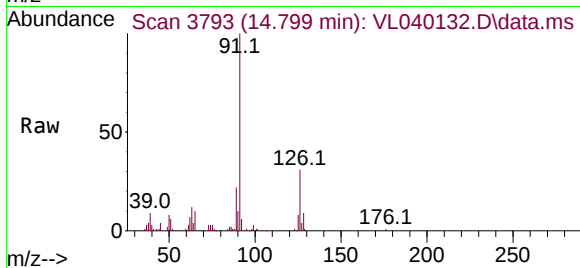
ClientSampleId :

Tgt Ion: 91 Resp: 104230

Ion Ratio Lower Upper

91 100

126 31.1 11.9 47.5



#72

4-Ethyltoluene

Concen: 0.467 ppbv

RT: 15.191 min Scan# 3915

Delta R.T. 0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Tgt Ion: 105 Resp: 100830

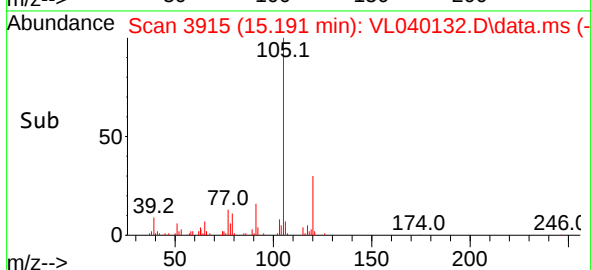
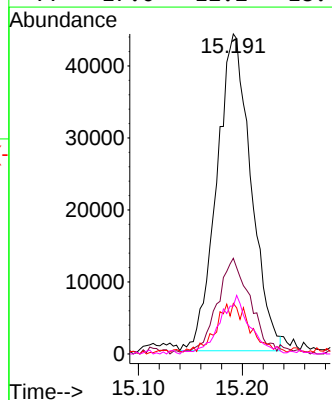
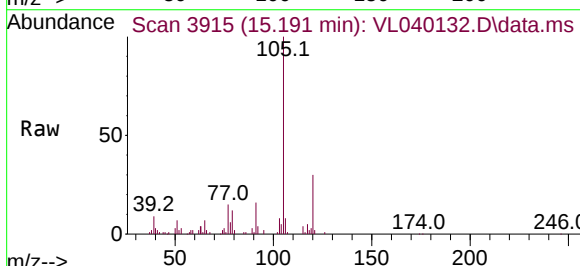
Ion Ratio Lower Upper

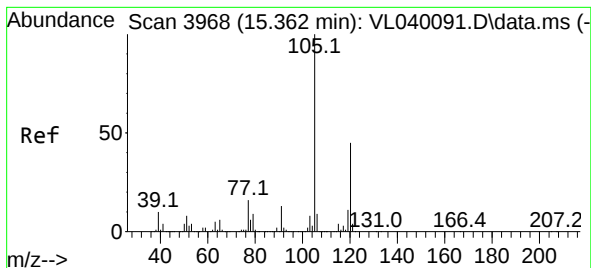
105 100

120 30.4 23.1 34.7

91 15.8 11.2 16.8

77 17.0 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.466 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

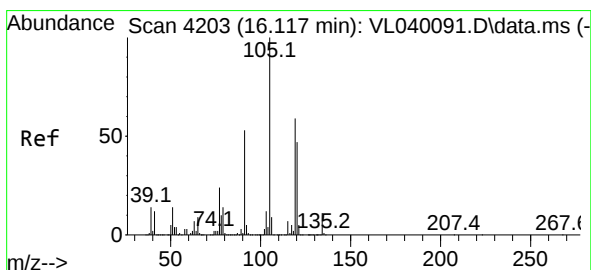
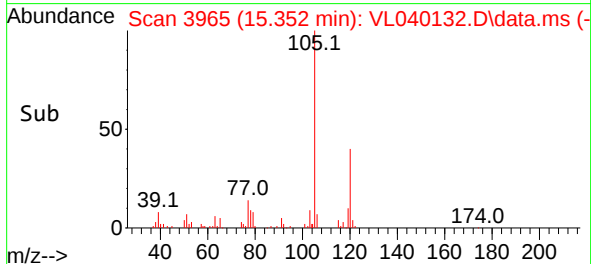
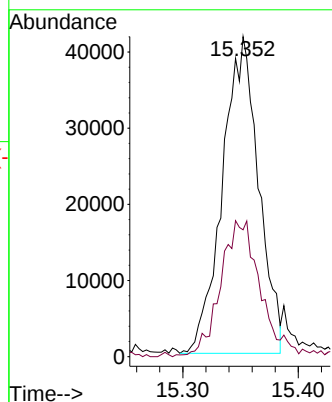
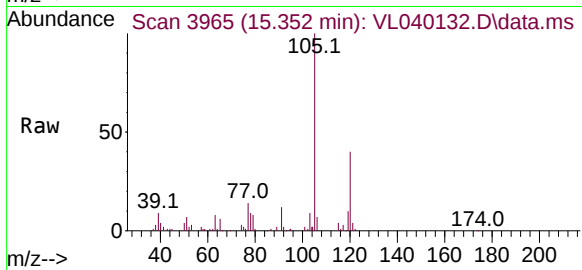
ClientSampleId :

Tgt Ion:105 Resp: 90586

Ion Ratio Lower Upper

105 100

120 39.5 36.2 54.4



#74

1,2,4-Trimethylbenzene

Concen: 0.495 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. 0.006 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Tgt Ion:105 Resp: 106556

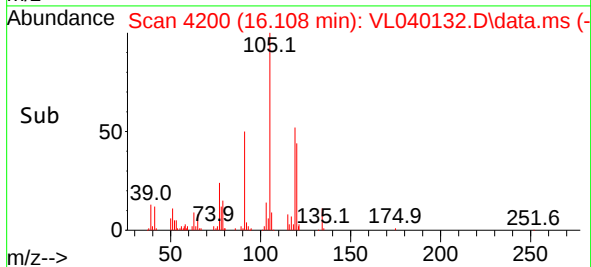
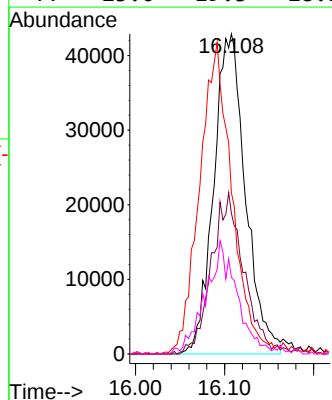
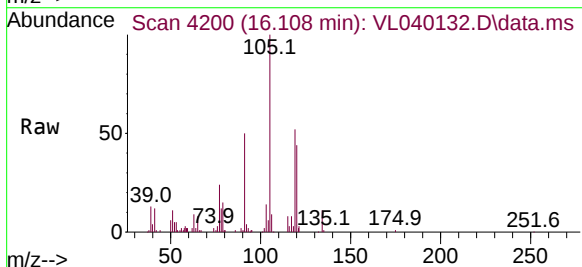
Ion Ratio Lower Upper

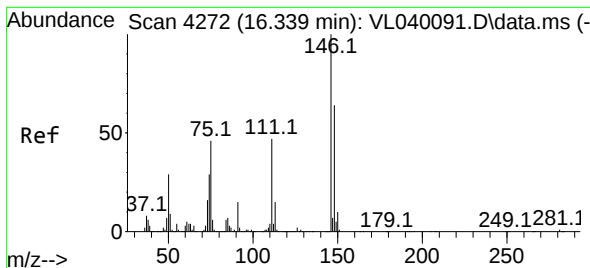
105 100

120 43.4 38.0 57.0

91 48.6 42.1 63.1

77 23.0 19.3 28.9





#75

1,3-Dichlorobenzene

Concen: 0.250 ppbv

RT: 16.326 min Scan# 4315

Delta R.T. 0.000 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

Instrument :

MSVOA_L

ClientSampleId :

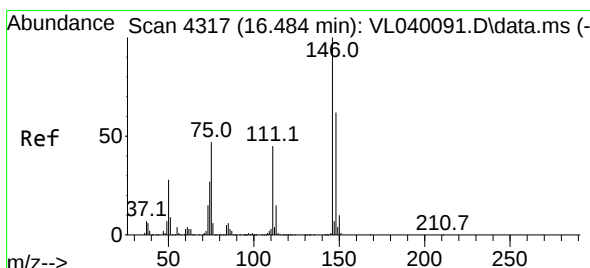
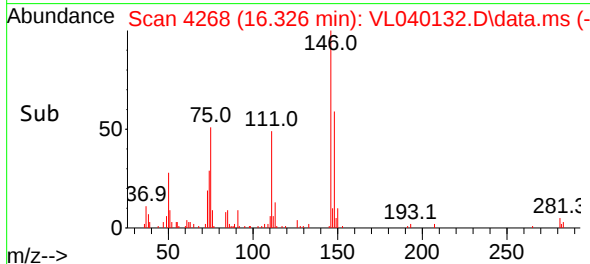
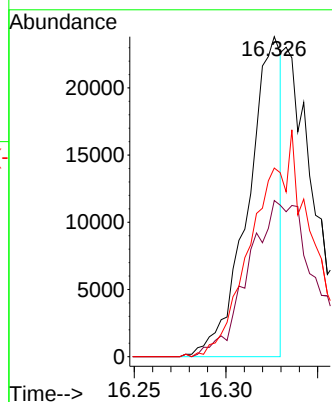
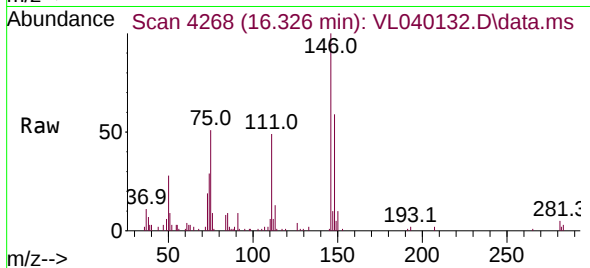
Tgt Ion:146 Resp: 29839

Ion Ratio Lower Upper

146 100

111 104.0 24.3 73.0#

148 0.0 32.3 96.8#



#76

1,4-Dichlorobenzene

Concen: 0.352 ppbv

RT: 16.477 min Scan# 4315

Delta R.T. 0.010 min

Lab File: VL040132.D

Acq: 30 Jan 2023 14:39

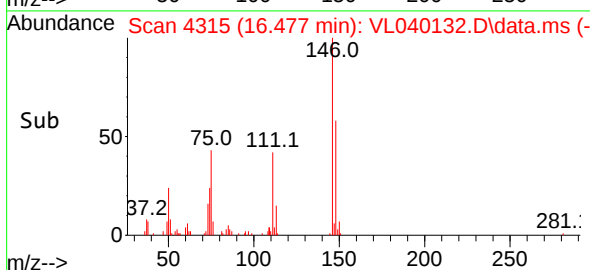
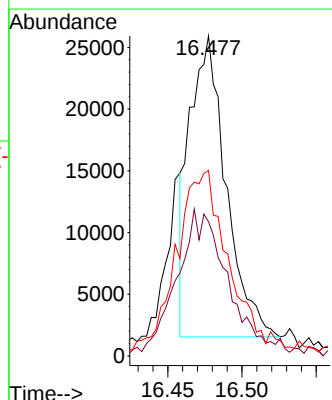
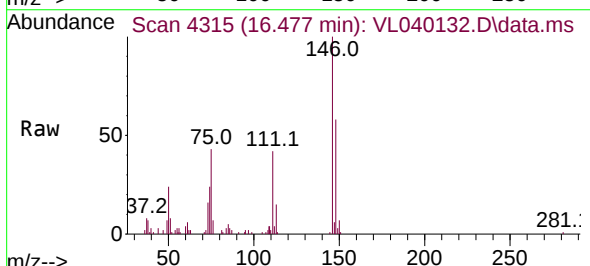
Tgt Ion:146 Resp: 41416

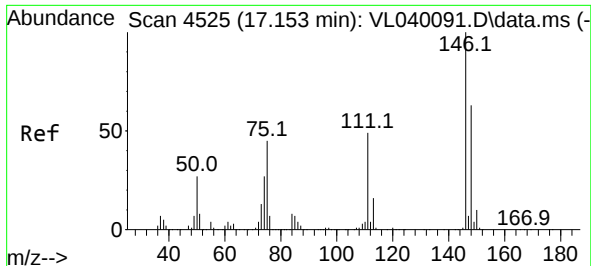
Ion Ratio Lower Upper

146 100

111 70.8 23.8 71.2

148 95.6 32.8 98.4

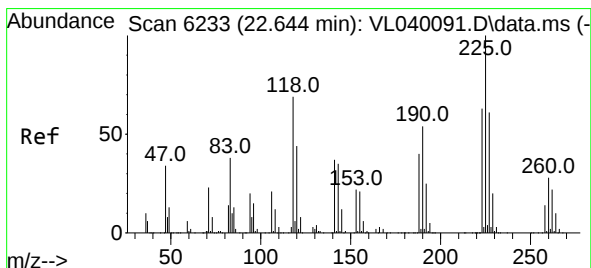
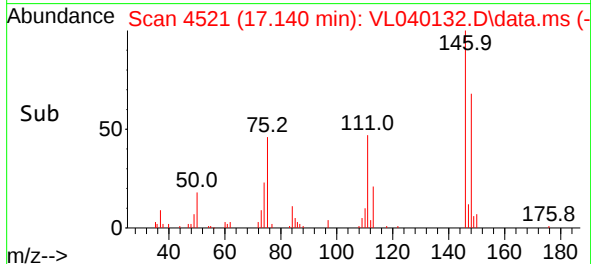
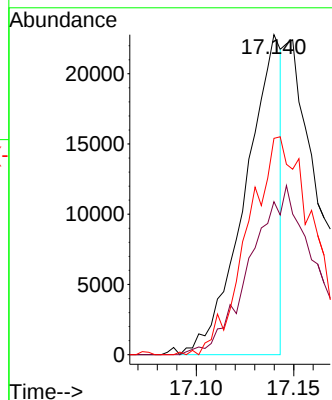
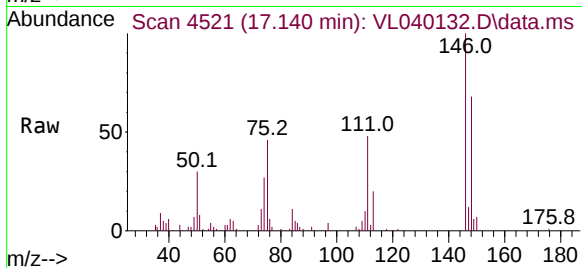




#77
1,2-Dichlorobenzene
Concen: 0.256 ppbv
RT: 17.140 min Scan# 4521
Delta R.T. 0.003 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

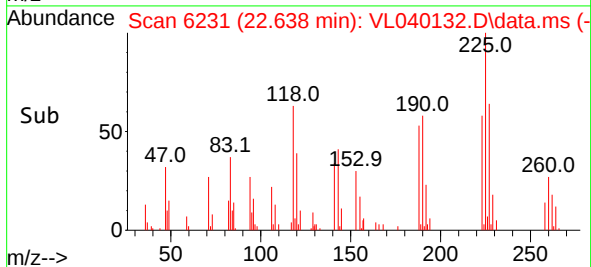
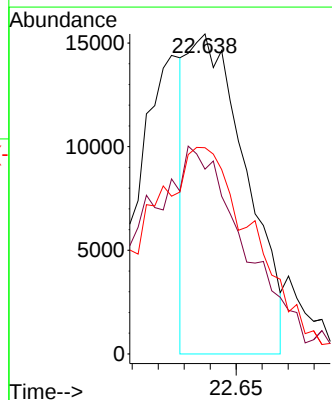
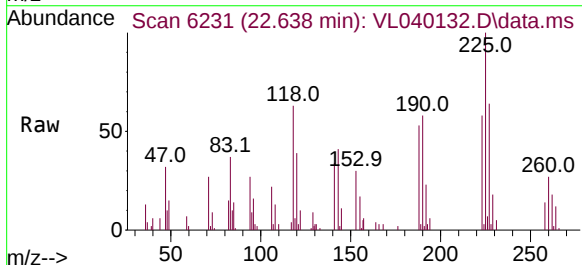
Instrument :
MSVOA_L
ClientSampleId :

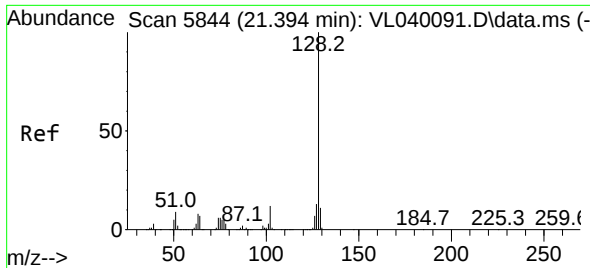
Tgt Ion:146 Resp: 29329
Ion Ratio Lower Upper
146 100
111 0.0 25.1 75.2#
148 0.0 32.4 97.0#



#78
Hexachloro-1,3-Butadiene
Concen: 0.289 ppbv
RT: 22.638 min Scan# 6231
Delta R.T. 0.006 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

Tgt Ion:225 Resp: 24241
Ion Ratio Lower Upper
225 100
223 120.5 51.5 77.3#
227 126.3 50.6 76.0#

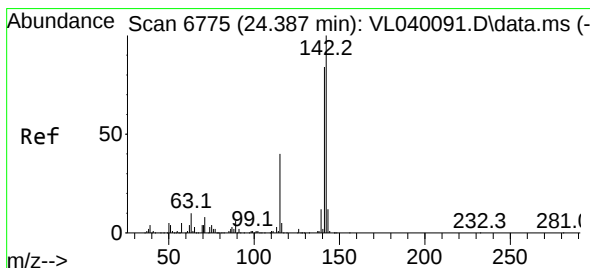
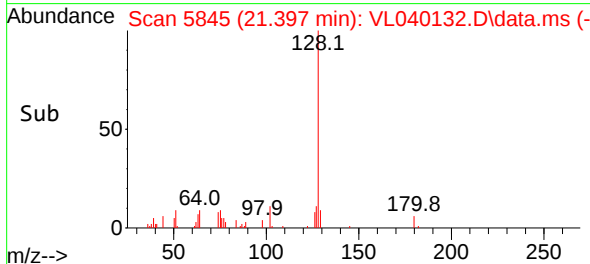
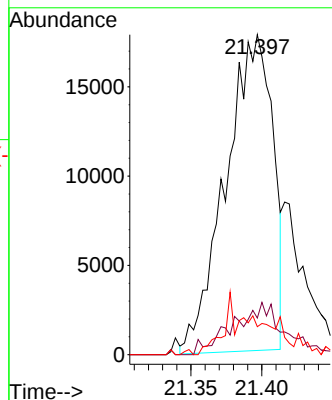
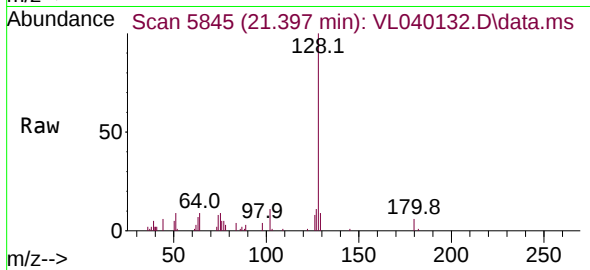




#79
Naphthalene
Concen: 0.332 ppbv
RT: 21.397 min Scan# 5845
Delta R.T. 0.019 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

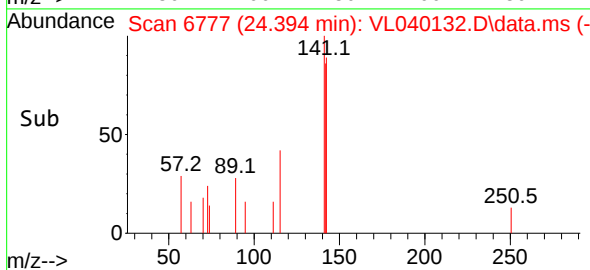
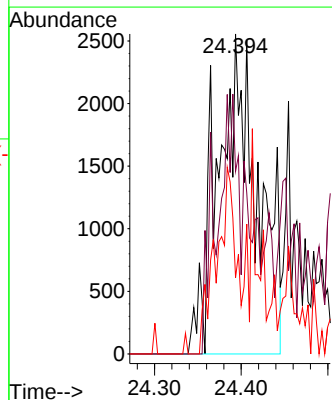
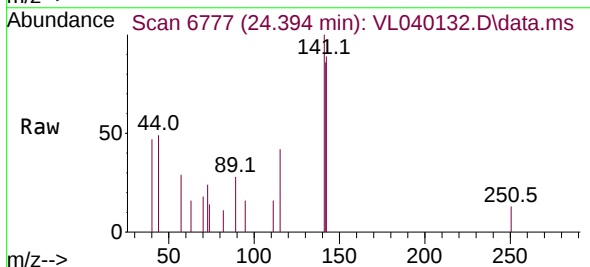
Instrument :
MSVOA_L
ClientSampleId :

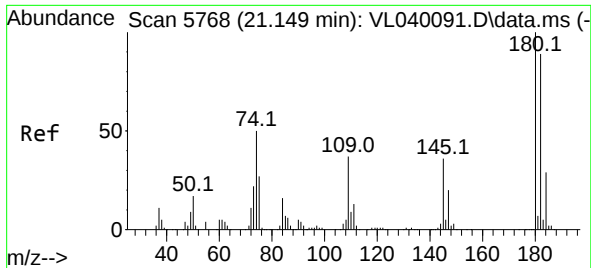
Tgt Ion:128 Resp: 40942
Ion Ratio Lower Upper
128 100
127 11.8 10.3 15.5
129 9.0 8.8 13.2



#80
Naphthalene,2-methyl-
Concen: 0.195 ppbv
RT: 24.394 min Scan# 6777
Delta R.T. 0.019 min
Lab File: VL040132.D
Acq: 30 Jan 2023 14:39

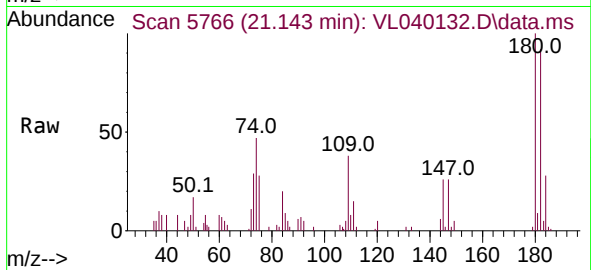
Tgt Ion:142 Resp: 8096
Ion Ratio Lower Upper
142 100
141 88.0 65.0 97.6
115 48.9 31.8 47.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.333 ppbv
 RT: 21.143 min Scan# 51
 Delta R.T. 0.010 min
 Lab File: VL040132.D
 Acq: 30 Jan 2023 14:39

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 25340
 Ion Ratio Lower Upper
 180 100
 182 144.1 78.6 117.8#
 184 42.9 25.1 37.7#

