

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111723\
 Data File : VL040888.D
 Acq On : 17 Nov 2023 9:58
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Nov 20 03:50:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 20 03:50:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	977278	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.665	114	2368371	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2235479	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1815138	10.371	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.774	85	1904193	9.611	ppbv	99
3) Chlorodifluoromethane	2.719	51	1532852	9.824	ppbv	99
4) Chloromethane	2.854	50	552374	9.845	ppbv	99
5) Vinyl Chloride	2.961	62	582356	10.436	ppbv	99
6) Bromomethane	3.157	94	210582	9.886	ppbv	95
7) Chloroethane	3.234	64	194935	10.088	ppbv	96
8) Dichlorotetrafluoroethane	2.899	85	1406991	9.836	ppbv	98
9) Propene	2.739	41	515569	9.805	ppbv	99
10) Heptane	7.587	43	1285789	9.939	ppbv	99
11) Trichlorofluoromethane	3.594	101	1494730	9.819	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.096	101	1067123	9.868	ppbv	97
13) Ethanol	3.279	45	93659	9.173	ppbv #	100
14) Bromoethene	3.401	108	446477	10.264	ppbv	99
15) Acetone	3.501	43	1000900	9.616	ppbv	99
16) 1,3-Butadiene	3.025	39	565146	10.732	ppbv	99
17) tert-Butyl alcohol	3.909	59	900685	10.119	ppbv	100
18) 1,1-Dichloroethene	3.912	96	454130	9.421	ppbv	99
19) Isopropyl Alcohol	3.610	45	654997	10.457	ppbv #	99
20) Methylene Chloride	3.964	84	494658	11.516	ppbv	98
21) Allyl Chloride	4.025	41	686227	10.302	ppbv	100
22) trans-1,2-Dichloroethene	4.468	96	583160	10.660	ppbv	98
23) Vinyl Acetate	4.649	43	1468030	10.923	ppbv	99
24) 1,1-Dichloroethane	4.587	63	1238457	10.338	ppbv	97
25) Ethyl Acetate	5.221	43	2228459	10.340	ppbv	100
26) Hexane	5.231	57	981091	10.286	ppbv	100
27) Carbon Disulfide	4.153	76	1222673	10.109	ppbv	99
28) Methyl tert-Butyl Ether	4.610	73	894592	10.371	ppbv	100
29) Chloroform	5.295	83	1588905	9.829	ppbv	99
30) Cyclohexane	6.613	84	785593	9.574	ppbv	96
31) cis-1,2-Dichloroethene	5.099	61	985203	10.438	ppbv	98
32) 1,1,1-Trichloroethane	6.018	97	1600361	10.611	ppbv	100
34) 2-Butanone	4.806	43	1385888	11.486	ppbv	98
35) Carbon Tetrachloride	6.507	117	1684134	11.590	ppbv	99
36) Benzene	6.385	78	1981621	10.309	ppbv	100
37) 1,2-Dichloroethane	5.822	62	1250451	11.030	ppbv	99
38) Trichloroethene	7.298	130	745981	9.984	ppbv	97
39) 1,2-Dichloropropane	7.083	63	782883	10.272	ppbv	100
40) 1,4-Dioxane	7.292	88	312804	10.344	ppbv #	97
41) Tetrahydrofuran	5.575	42	836674	11.263	ppbv	98
42) Bromodichloromethane	7.259	83	1796951	11.076	ppbv	99
43) Methyl Methacrylate	7.478	69	832541	11.366	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3319596	10.397	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	550938	12.799	ppbv	95

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 ClientSampleId :
 VSTDCCC010

Quant Time: Nov 20 03:50:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 20 03:50:24 2023
 Response via : Initial Calibration

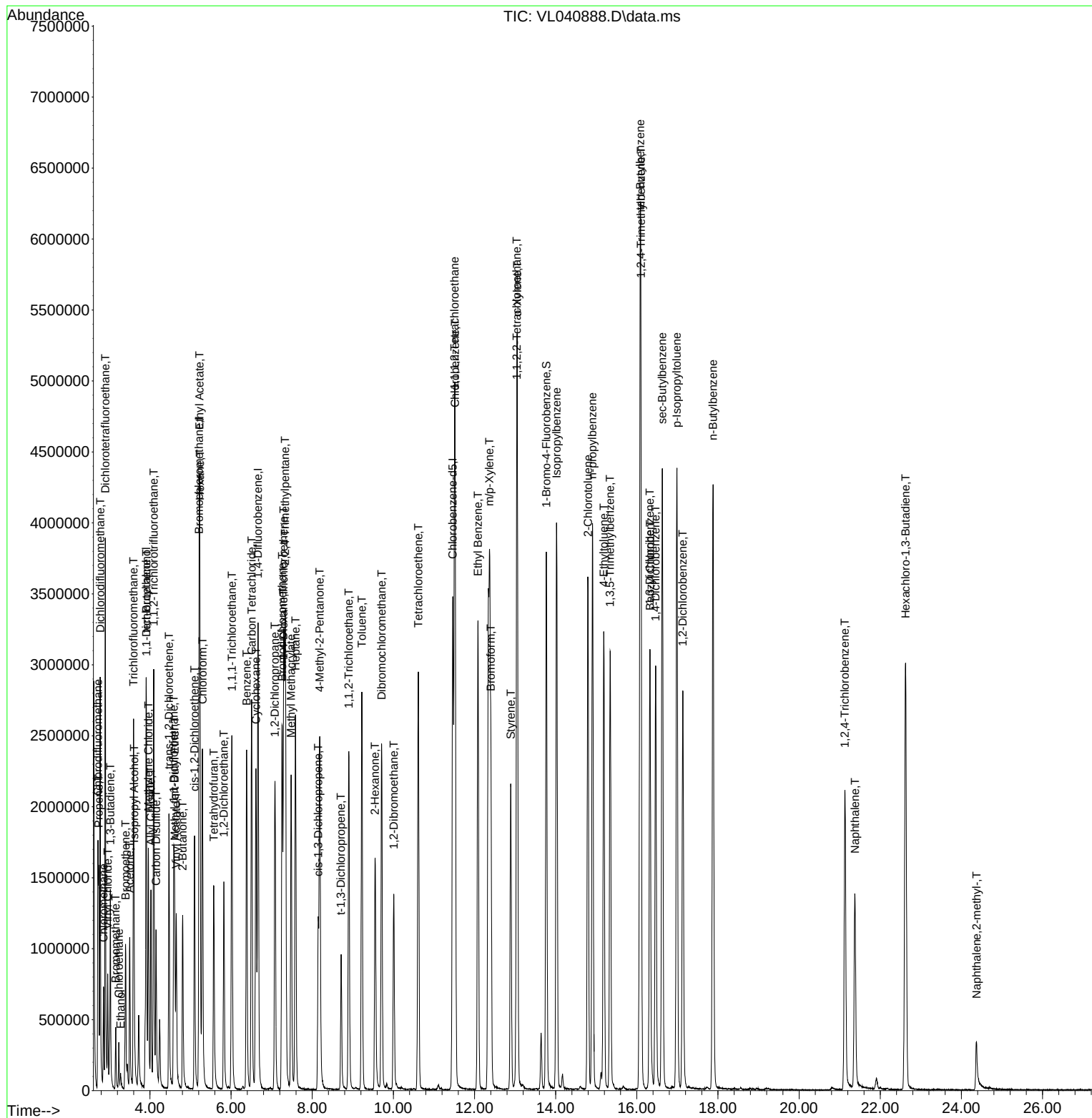
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	664220	11.901	ppbv	97
47) 1,1,2-Trichloroethane	8.899	97	828444	10.374	ppbv	97
48) Dibromochloromethane	9.713	129	1473583	11.121	ppbv	99
49) Bromoform	12.404	173	1183966	11.879	ppbv	100
50) 4-Methyl-2-Pentanone	8.185	43	2134781	11.433	ppbv	99
51) 2-Hexanone	9.549	43	1562717	11.873	ppbv	98
52) Tetrachloroethene	10.616	164	668336	10.325	ppbv	98
53) Toluene	9.224	91	2242902	10.604	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1142531	11.117	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.507	131	1046765	10.941	ppbv	97
57) Chlorobenzene	11.523	112	1717750	10.367	ppbv	98
58) Ethyl Benzene	12.086	91	3055704	10.476	ppbv	99
59) m/p-Xylene	12.368	91	2959477	11.915	ppbv #	50
60) o-Xylene	13.053	91	2498865	10.568	ppbv	97
61) Styrene	12.893	104	1268245	11.122	ppbv	99
62) Isopropylbenzene	14.024	105	3595958	10.294	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	1795826	10.716	ppbv	100
64) n-propylbenzene	14.909	120	919406	10.501	ppbv	93
65) tert-Butylbenzene	16.082	119	3105567	10.543	ppbv	98
66) Benzyl Chloride	16.327	91	49364	4.548	ppbv #	38
67) sec-Butylbenzene	16.629	105	4412020	10.486	ppbv	99
69) p-Isopropyltoluene	16.986	119	3522914	10.500	ppbv	99
70) n-Butylbenzene	17.880	91	3764447	10.625	ppbv	100
71) 2-Chlorotoluene	14.796	91	2811598	10.558	ppbv	100
72) 4-Ethyltoluene	15.185	105	2829454	10.885	ppbv	97
73) 1,3,5-Trimethylbenzene	15.343	105	2439340	10.612	ppbv	96
74) 1,2,4-Trimethylbenzene	16.101	105	2668102	10.400	ppbv	96
75) 1,3-Dichlorobenzene	16.323	146	1501039	10.597	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	1462102	10.781	ppbv	100
77) 1,2-Dichlorobenzene	17.134	146	1437741	10.439	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	809104	9.382	ppbv	100
79) Naphthalene	21.378	128	1741003	13.204	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	264218	11.352	ppbv #	84
81) 1,2,4-Trichlorobenzene	21.127	180	881600	10.998	ppbv	98

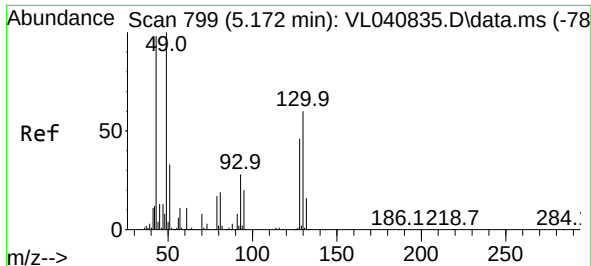
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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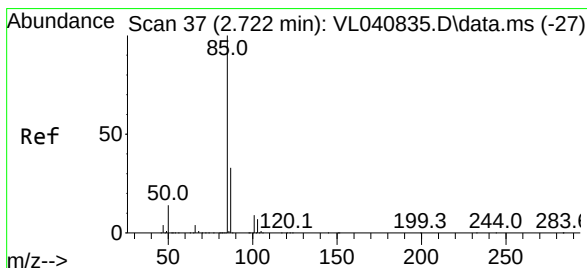
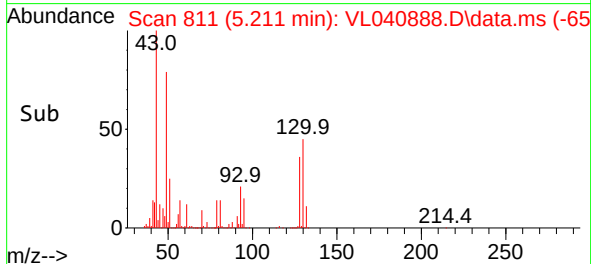
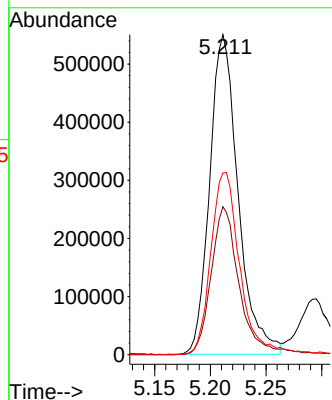
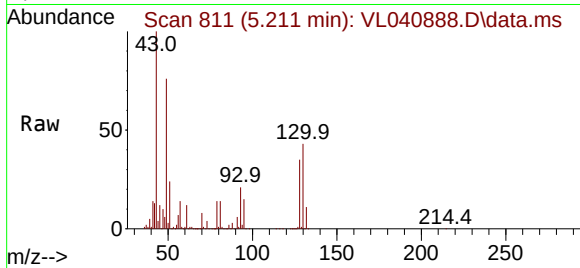




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

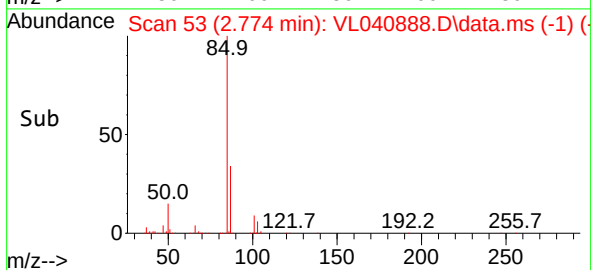
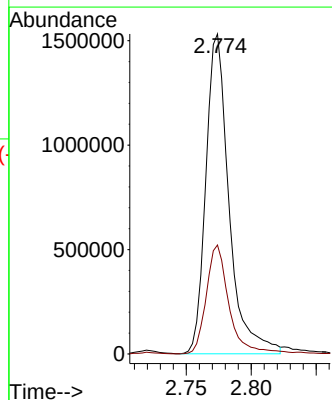
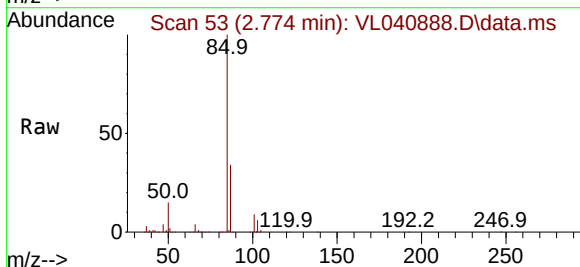
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

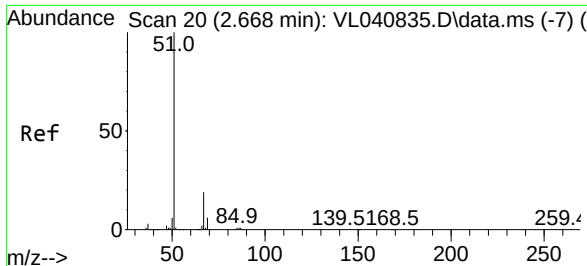
Tgt Ion: 49 Resp: 977278
Ion Ratio Lower Upper
49 100
128 46.3 23.8 71.2
130 59.3 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 9.611 ppbv
RT: 2.774 min Scan# 53
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 85 Resp: 1904193
Ion Ratio Lower Upper
85 100
87 34.0 26.7 40.1

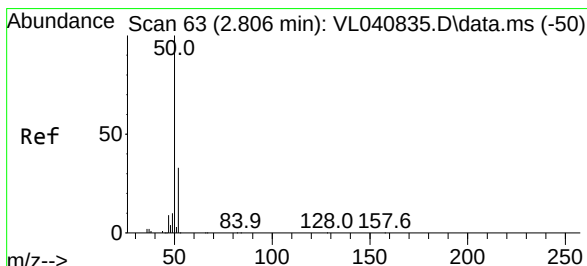
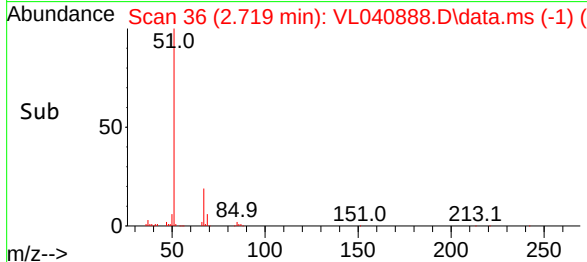
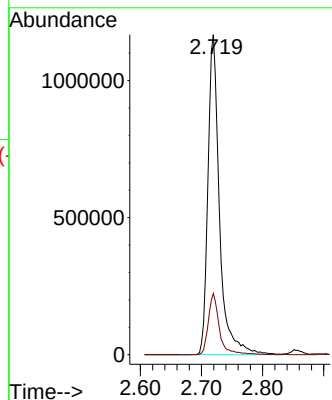
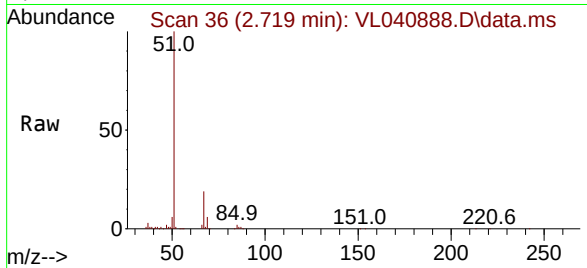




#3
Chlorodifluoromethane
Concen: 9.824 ppbv
RT: 2.719 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

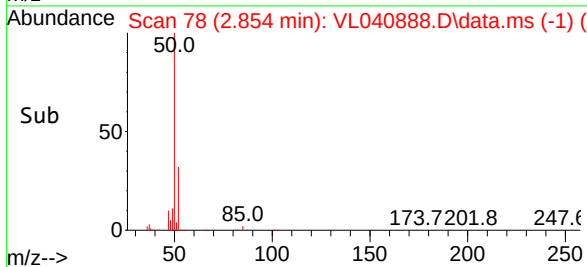
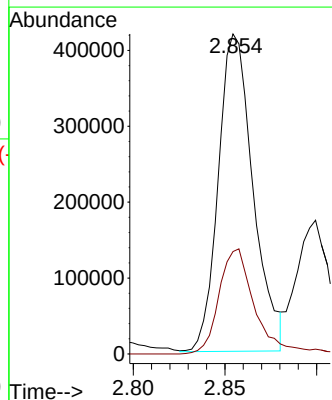
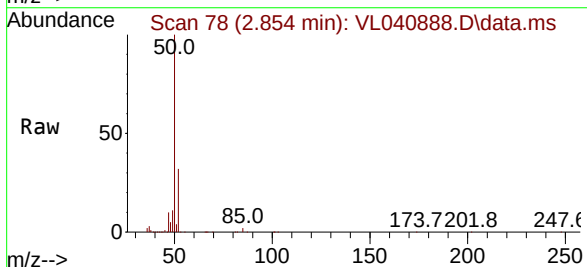
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

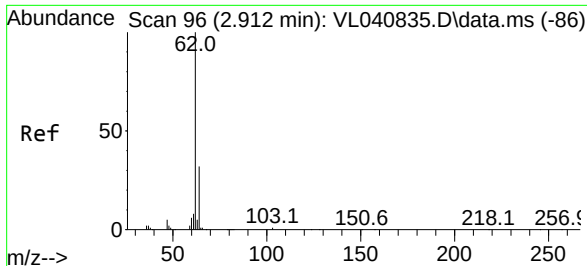
Tgt Ion: 51 Resp: 1532852
Ion Ratio Lower Upper
51 100
67 18.4 15.0 22.4



#4
Chloromethane
Concen: 9.845 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 50 Resp: 552374
Ion Ratio Lower Upper
50 100
52 32.5 26.5 39.7

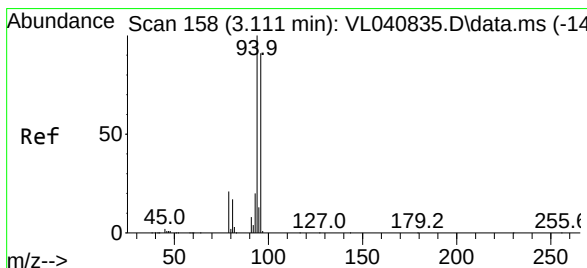
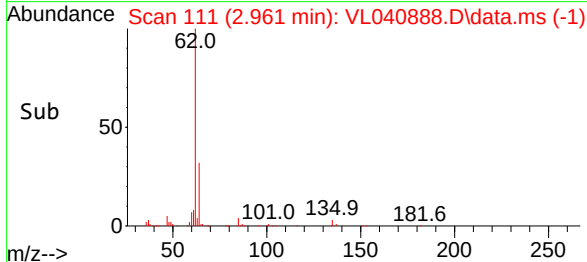
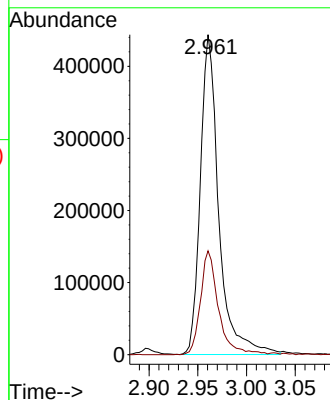
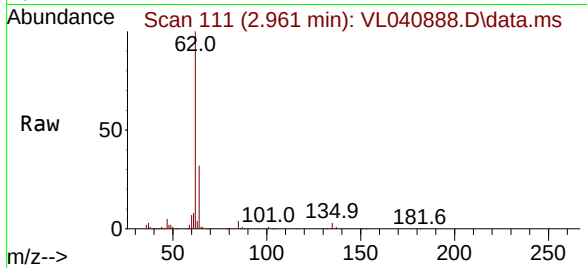




#5
 Vinyl Chloride
 Concen: 10.436 ppbv
 RT: 2.961 min Scan# 111
 Delta R.T. 0.000 min
 Lab File: VL040888.D
 Acq: 17 Nov 2023 9:58

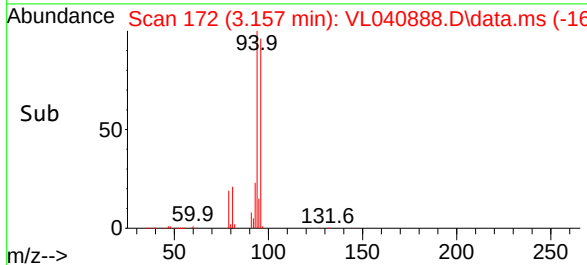
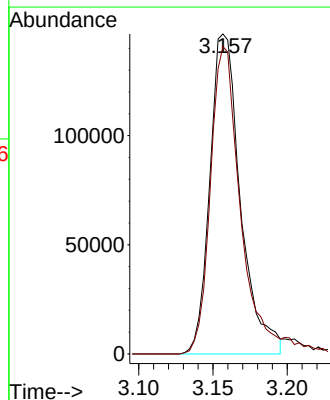
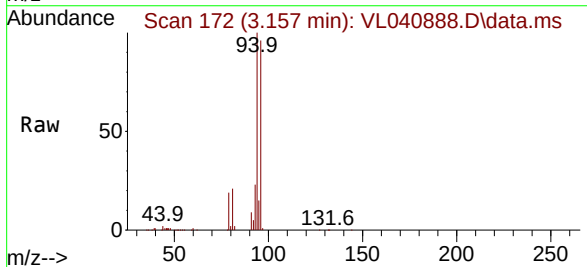
Instrument :
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 VSTDCCC010

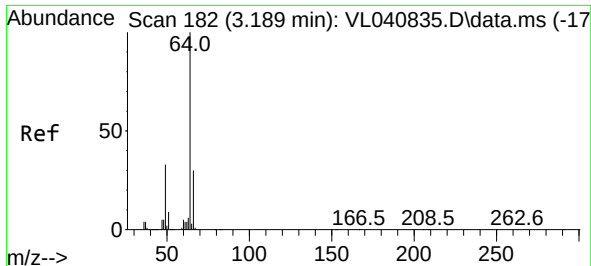
Tgt Ion: 62 Resp: 582356
 Ion Ratio Lower Upper
 62 100
 64 32.4 25.4 38.2



#6
 Bromomethane
 Concen: 9.886 ppbv
 RT: 3.157 min Scan# 172
 Delta R.T. 0.000 min
 Lab File: VL040888.D
 Acq: 17 Nov 2023 9:58

Tgt Ion: 94 Resp: 210582
 Ion Ratio Lower Upper
 94 100
 96 96.1 73.0 109.4

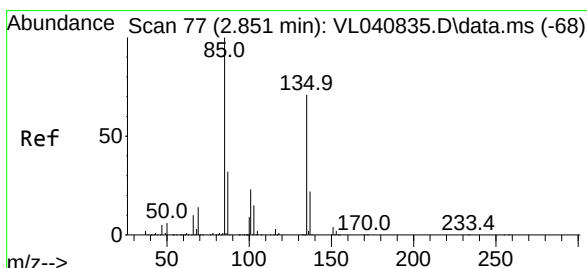
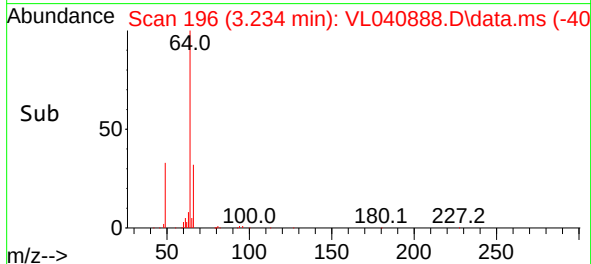
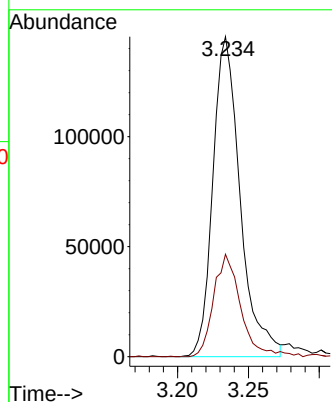
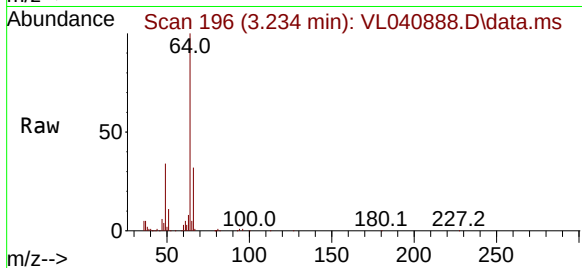




#7
Chloroethane
Concen: 10.088 ppbv
RT: 3.234 min Scan# 196
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

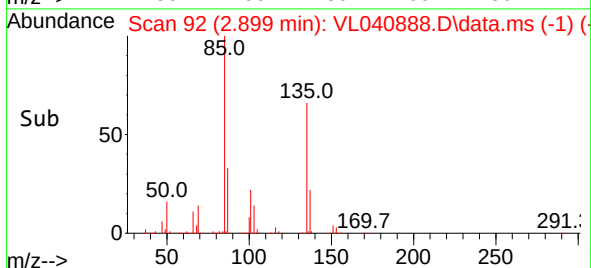
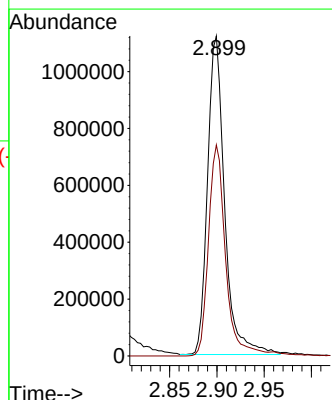
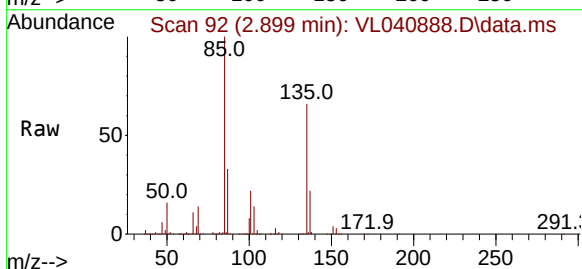
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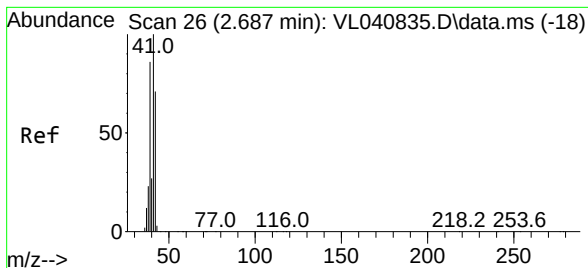
Tgt Ion: 64 Resp: 194935
Ion Ratio Lower Upper
64 100
66 32.0 23.8 35.6



#8
Dichlorotetrafluoroethane
Concen: 9.836 ppbv
RT: 2.899 min Scan# 92
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 85 Resp: 1406991
Ion Ratio Lower Upper
85 100
135 67.7 55.3 82.9





#9

Propene

Concen: 9.805 ppbv

RT: 2.739 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_L

ClientSampleId :

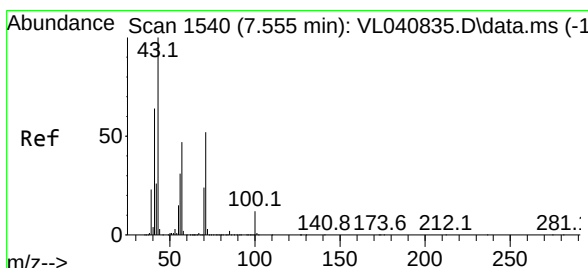
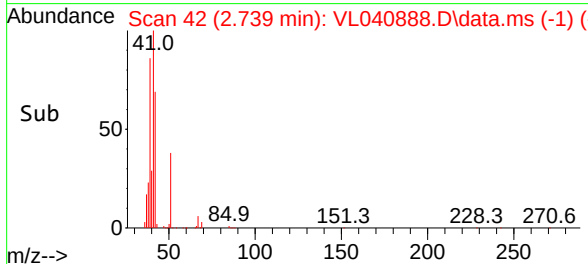
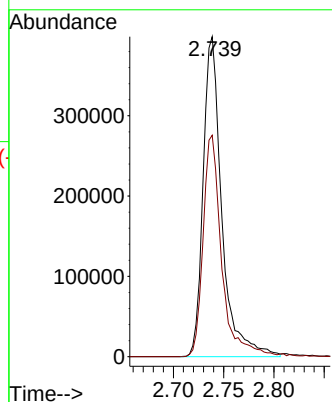
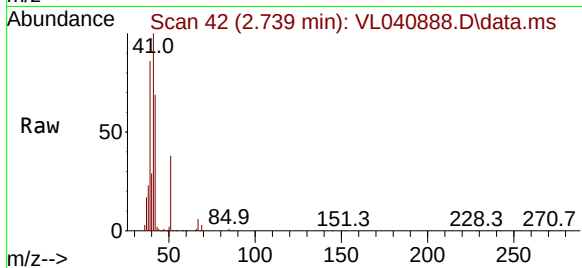
VSTDCCC010

Tgt Ion: 41 Resp: 515569

Ion Ratio Lower Upper

41 100

42 69.4 56.5 84.7



#10

Heptane

Concen: 9.939 ppbv

RT: 7.587 min Scan# 1550

Delta R.T. 0.000 min

Lab File: VL040888.D

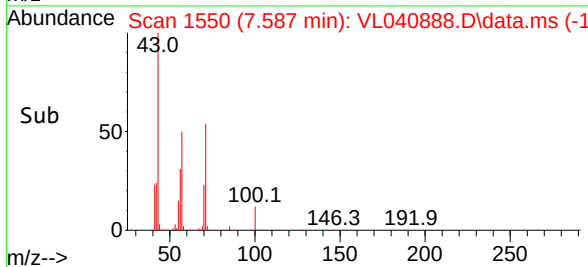
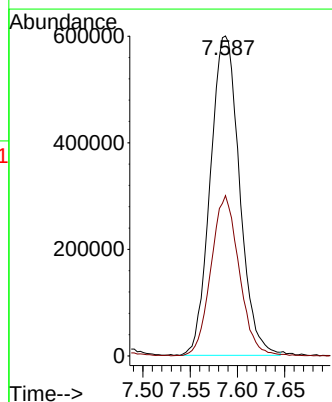
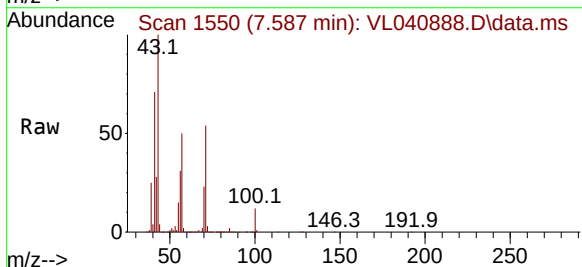
Acq: 17 Nov 2023 9:58

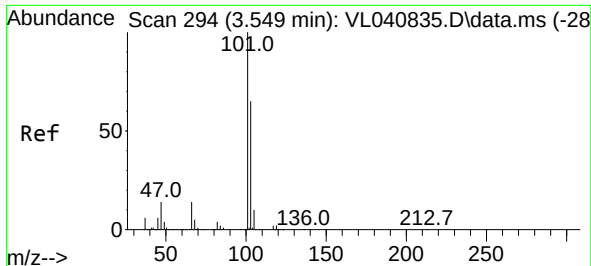
Tgt Ion: 43 Resp: 1285789

Ion Ratio Lower Upper

43 100

57 48.5 39.4 59.0

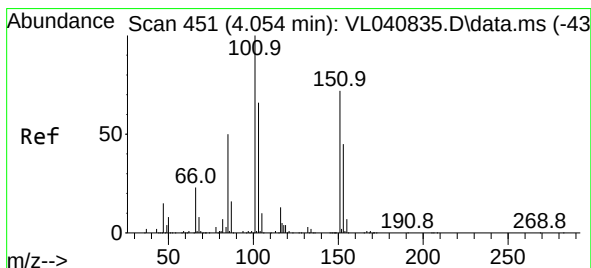
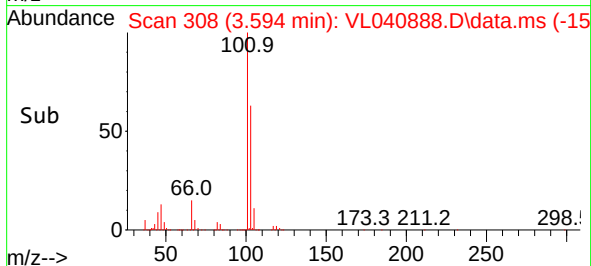
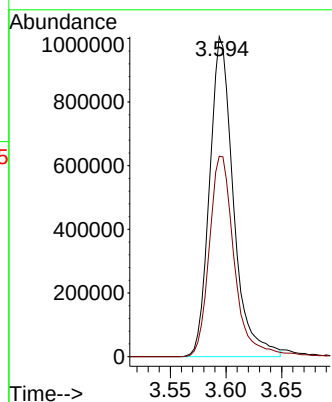
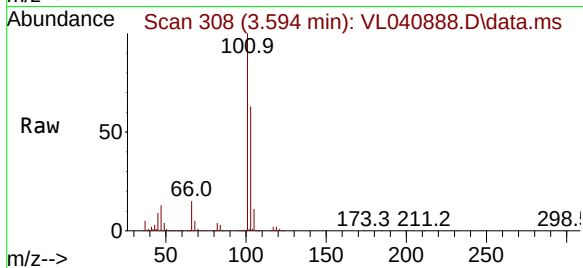




#11
 Trichlorofluoromethane
 Concen: 9.819 ppbv
 RT: 3.594 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: VL040888.D
 Acq: 17 Nov 2023 9:58

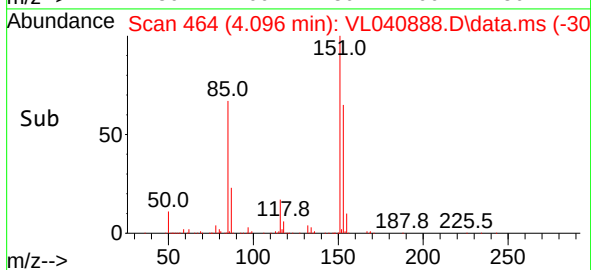
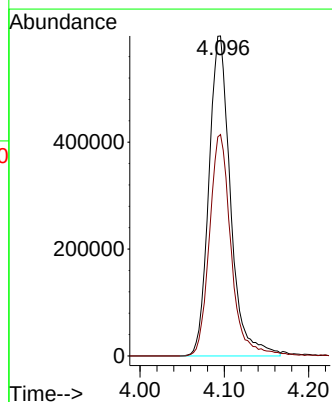
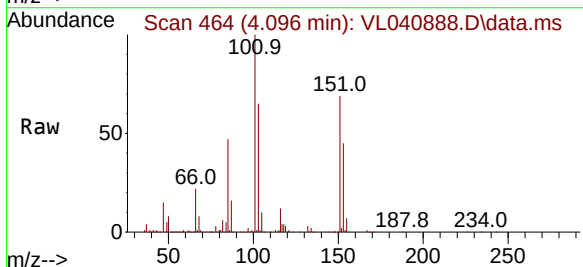
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

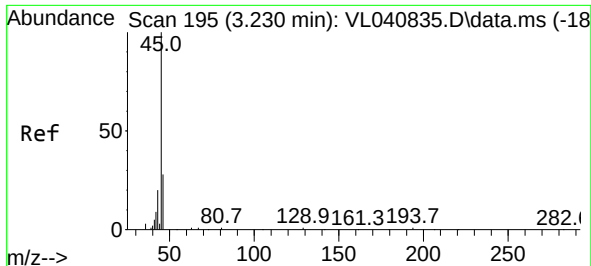
Tgt Ion:101 Resp: 1494730
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.868 ppbv
 RT: 4.096 min Scan# 464
 Delta R.T. 0.000 min
 Lab File: VL040888.D
 Acq: 17 Nov 2023 9:58

Tgt Ion:101 Resp: 1067123
 Ion Ratio Lower Upper
 101 100
 151 69.6 57.8 86.6

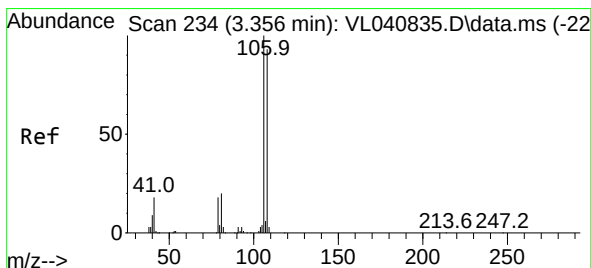
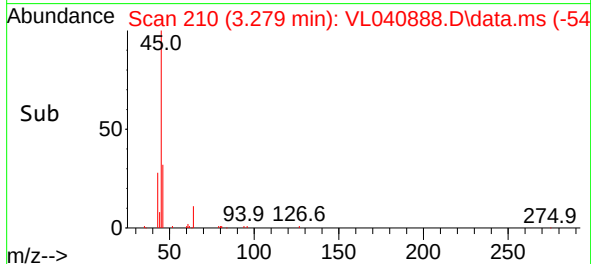
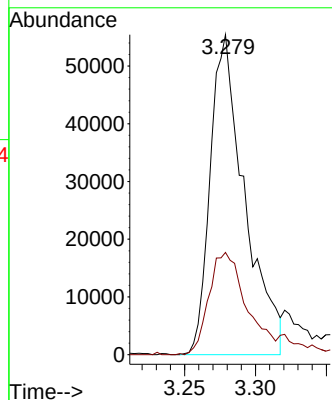
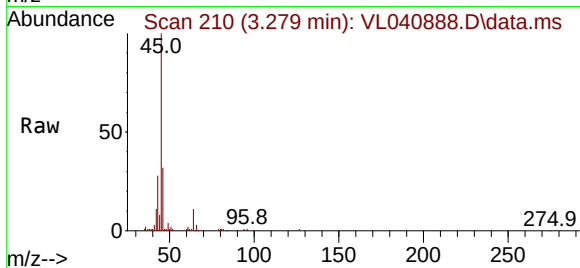




#13
Ethanol
Concen: 9.173 ppbv
RT: 3.279 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

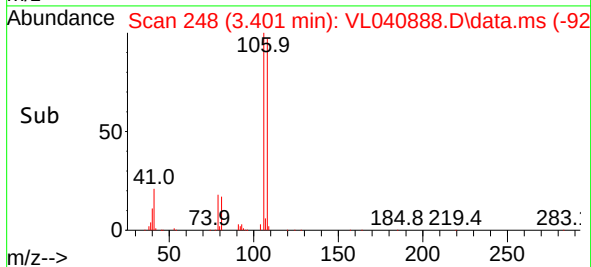
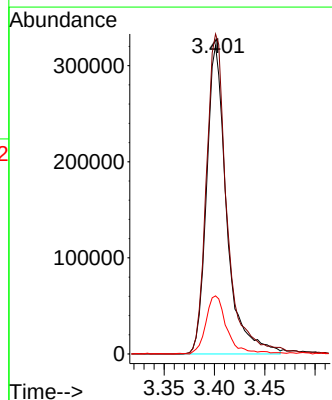
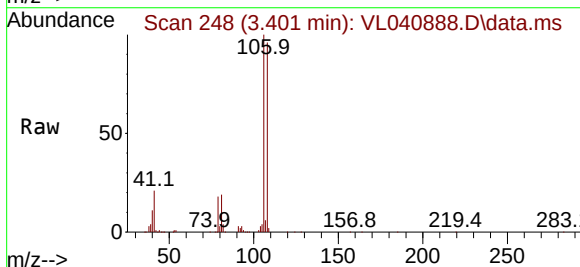
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

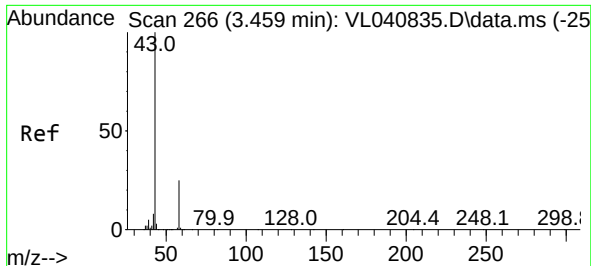
Tgt Ion: 45 Resp: 93659
Ion Ratio Lower Upper
45 100
46 39.5 0.0 0.0#



#14
Bromoethene
Concen: 10.264 ppbv
RT: 3.401 min Scan# 248
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion:108 Resp: 446477
Ion Ratio Lower Upper
108 100
106 107.6 85.4 128.2
79 20.1 16.7 25.1

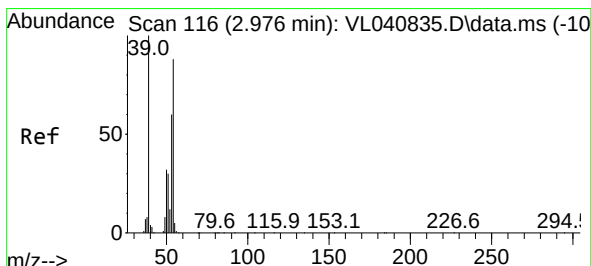
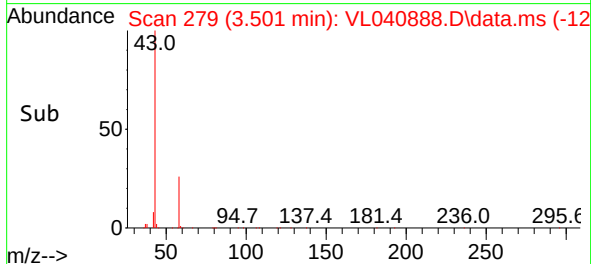
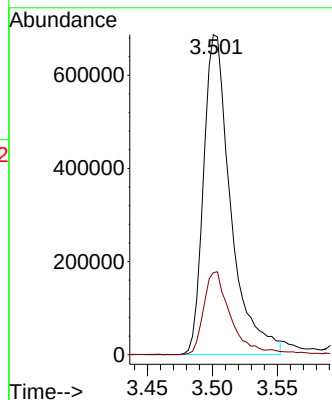
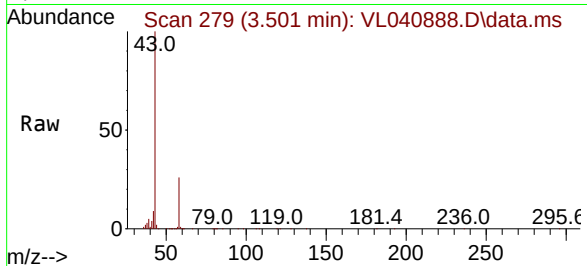




#15
Acetone
Concen: 9.616 ppbv
RT: 3.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

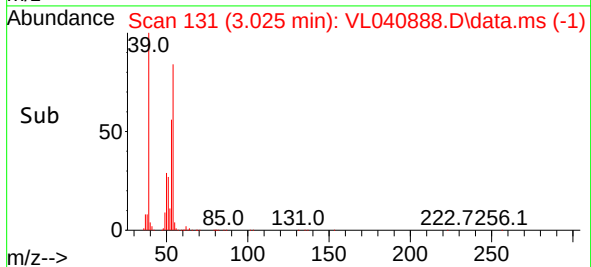
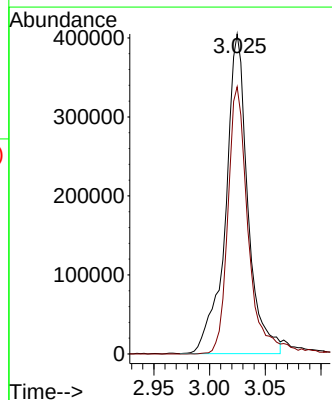
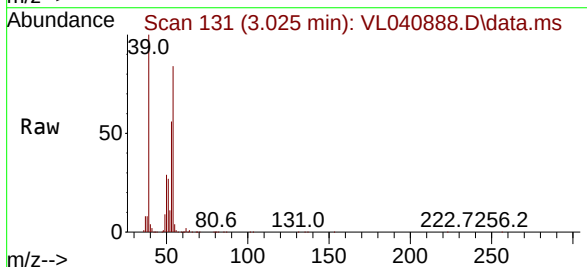
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

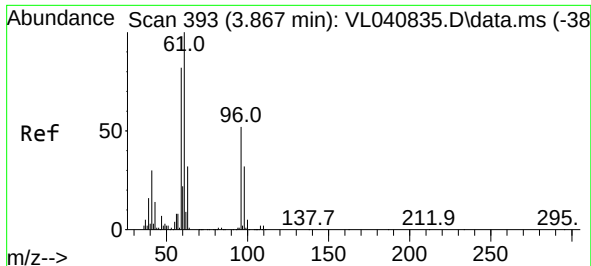
Tgt Ion: 43 Resp: 1000900
Ion Ratio Lower Upper
43 100
58 26.7 20.9 31.3



#16
1,3-Butadiene
Concen: 10.732 ppbv
RT: 3.025 min Scan# 131
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 39 Resp: 565146
Ion Ratio Lower Upper
39 100
54 77.7 61.8 92.6





#17

tert-Butyl alcohol

Concen: 10.119 ppbv

RT: 3.909 min Scan# 406

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_L

ClientSampleId :

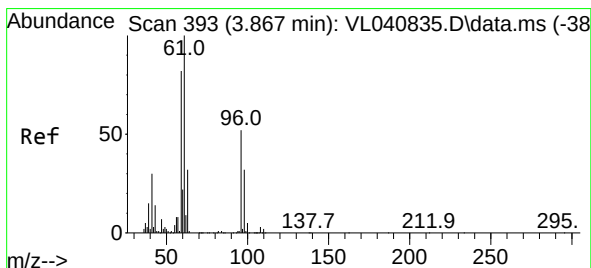
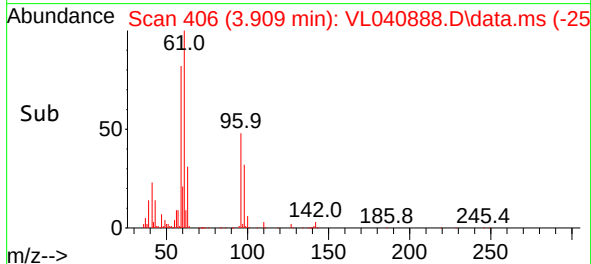
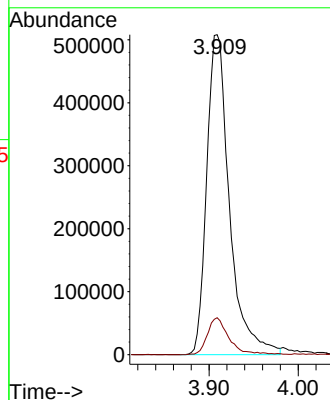
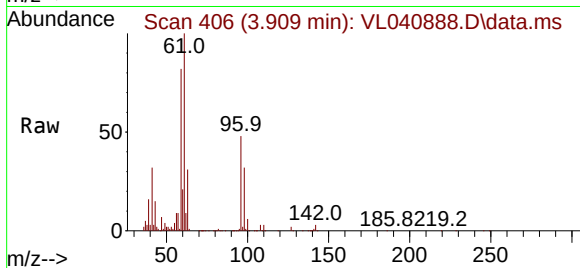
VSTDCCC010

Tgt Ion: 59 Resp: 900685

Ion Ratio Lower Upper

59 100

57 11.1 9.0 13.4



#18

1,1-Dichloroethene

Concen: 9.421 ppbv

RT: 3.912 min Scan# 407

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

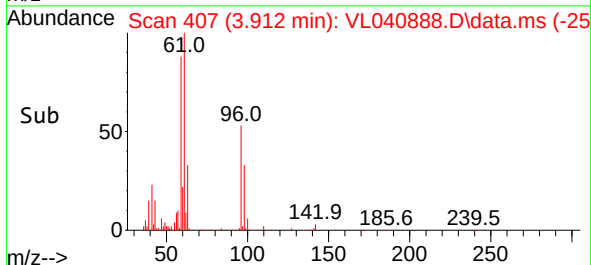
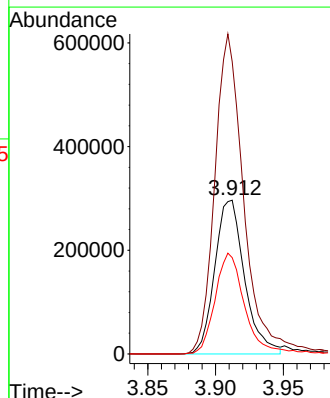
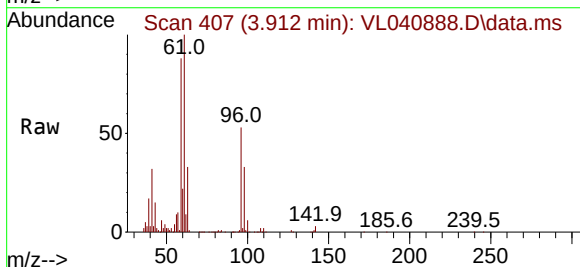
Tgt Ion: 96 Resp: 454130

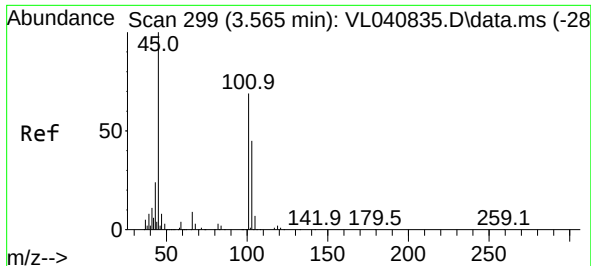
Ion Ratio Lower Upper

96 100

61 190.1 152.6 228.8

98 62.7 49.2 73.8

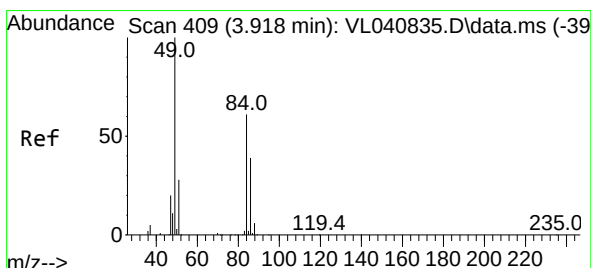
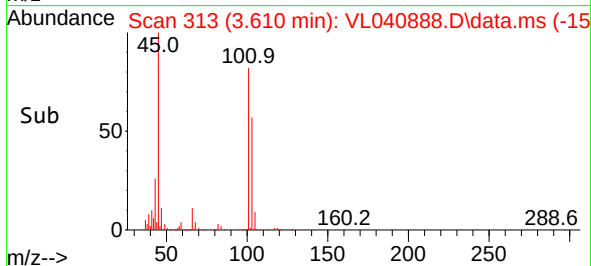
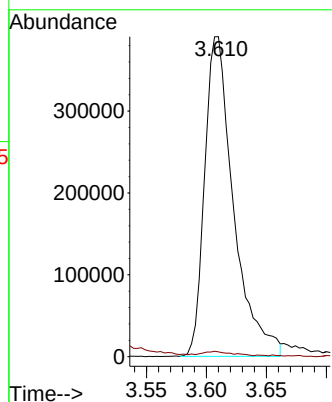
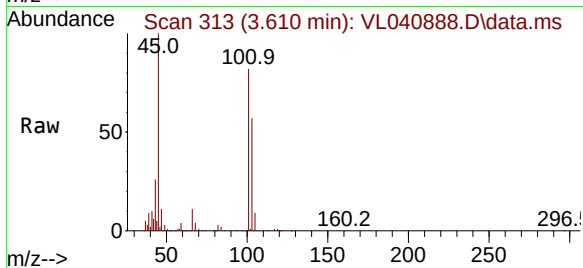




#19
Isopropyl Alcohol
Concen: 10.457 ppbv
RT: 3.610 min Scan# 313
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

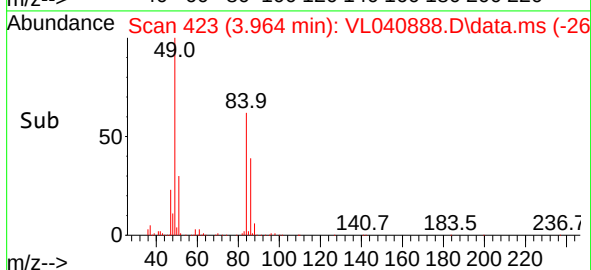
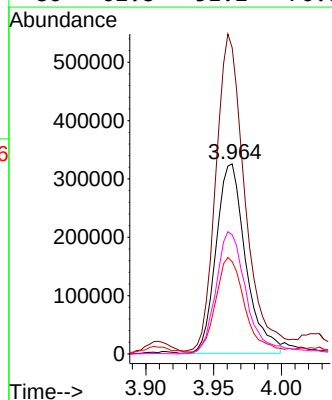
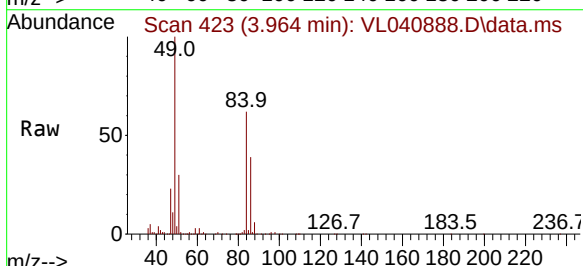
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

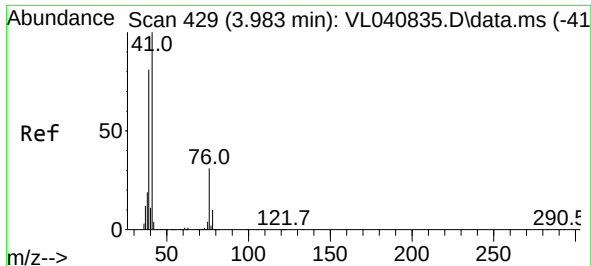
Tgt Ion: 45 Resp: 654997
Ion Ratio Lower Upper
45 100
58 2.5 1.6 2.4#



#20
Methylene Chloride
Concen: 11.516 ppbv
RT: 3.964 min Scan# 423
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 84 Resp: 494658
Ion Ratio Lower Upper
84 100
49 159.7 131.0 196.4
51 47.0 36.9 55.3
86 62.8 51.2 76.8





#21

Allyl Chloride

Concen: 10.302 ppbv

RT: 4.025 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_1

ClientSampleId :

VSTDC010

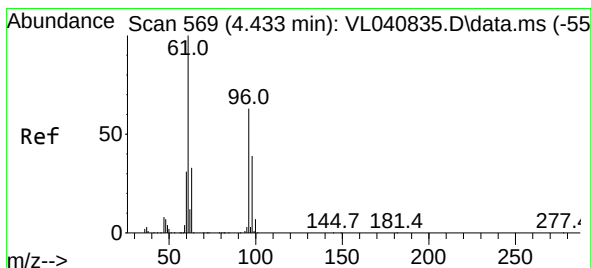
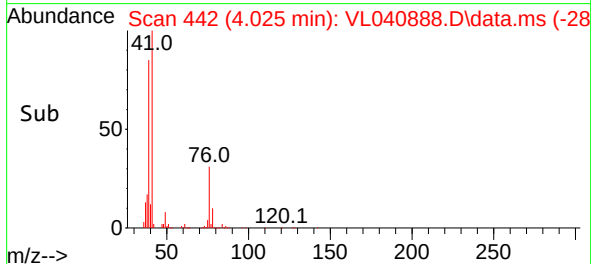
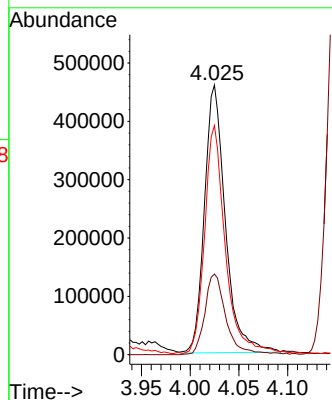
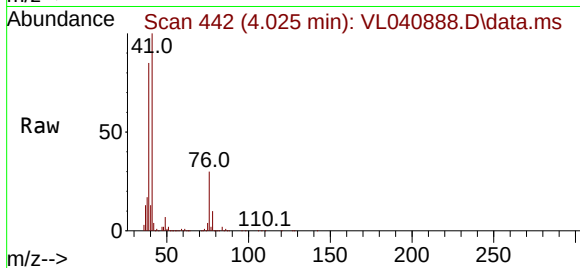
Tgt Ion: 41 Resp: 686227

Ion Ratio Lower Upper

41 100

76 30.4 24.4 36.6

39 85.1 68.1 102.1



#22

trans-1,2-Dichloroethene

Concen: 10.660 ppbv

RT: 4.468 min Scan# 580

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

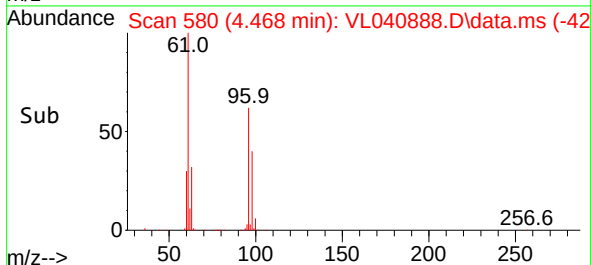
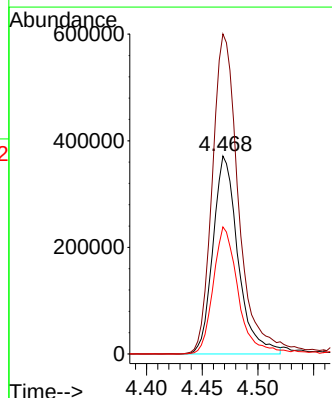
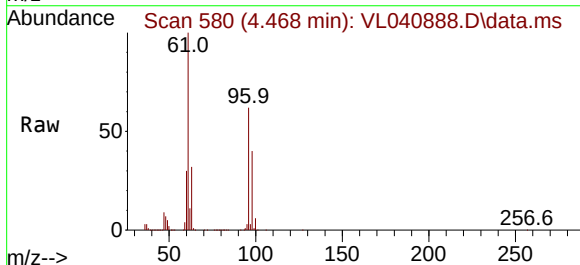
Tgt Ion: 96 Resp: 583160

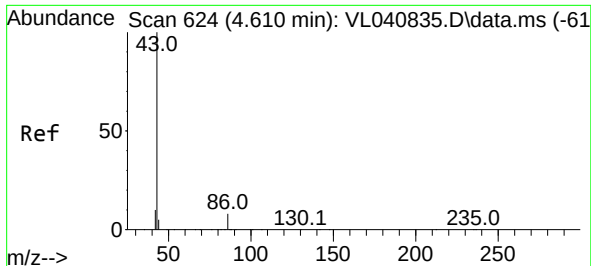
Ion Ratio Lower Upper

96 100

61 161.6 126.8 190.2

98 64.1 49.9 74.9



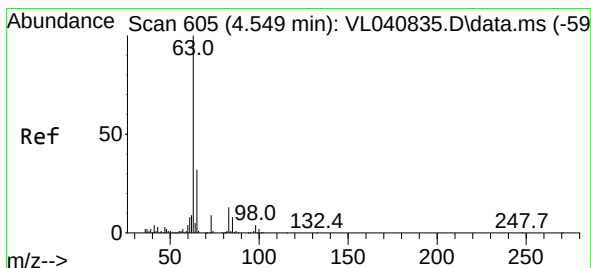
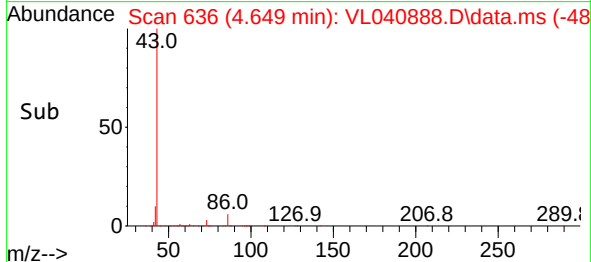
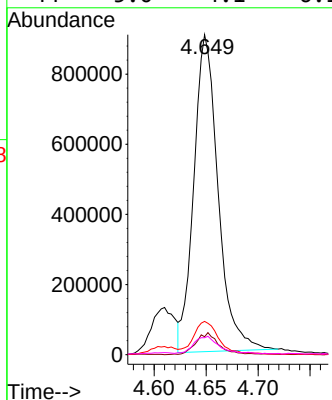
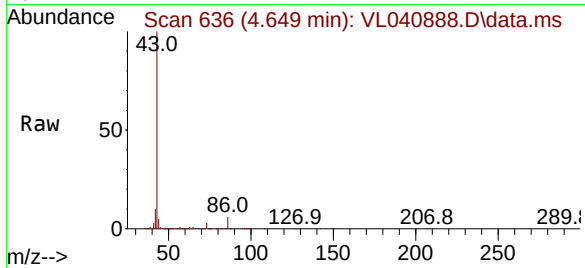


#23
 Vinyl Acetate
 Concen: 10.923 ppbv
 RT: 4.649 min Scan# 617
 Delta R.T. 0.000 min
 Lab File: VL040888.D
 Acq: 17 Nov 2023 9:58

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 1468030

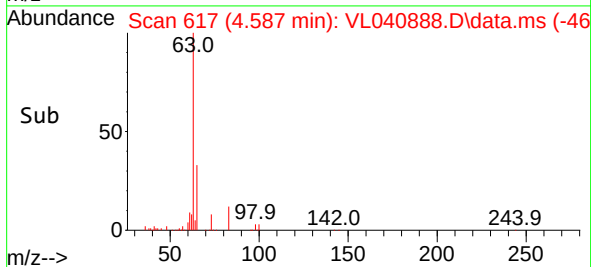
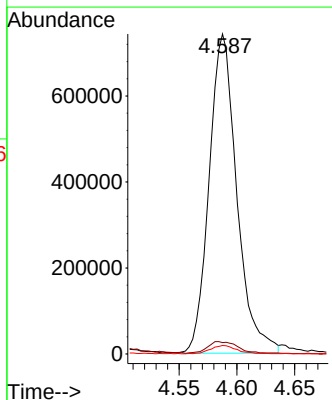
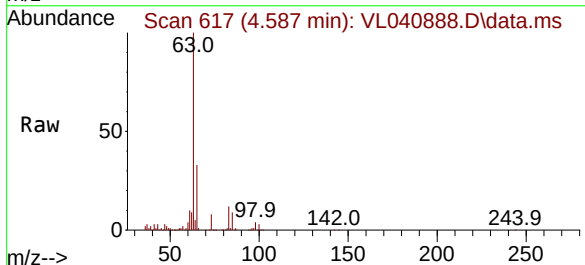
Ion	Ratio	Lower	Upper
43	100		
86	5.6	5.5	8.3
42	10.3	8.2	12.2
44	5.0	4.1	6.1

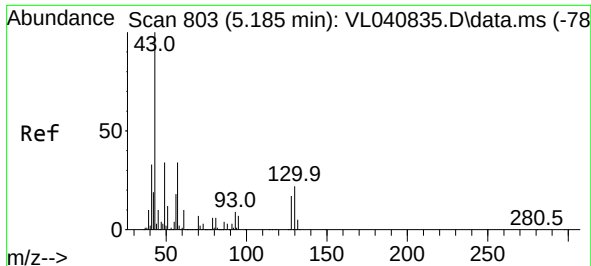


#24
 1,1-Dichloroethane
 Concen: 10.338 ppbv
 RT: 4.587 min Scan# 617
 Delta R.T. 0.000 min
 Lab File: VL040888.D
 Acq: 17 Nov 2023 9:58

Tgt Ion: 63 Resp: 1238457

Ion	Ratio	Lower	Upper
63	100		
98	3.3	2.2	6.6
100	2.6	1.0	3.0



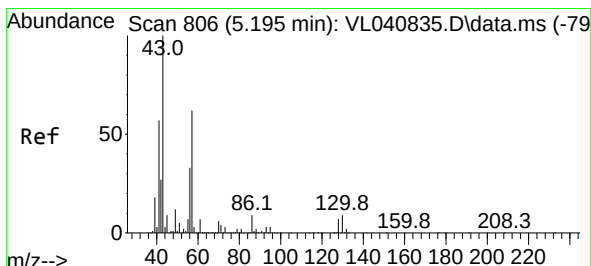
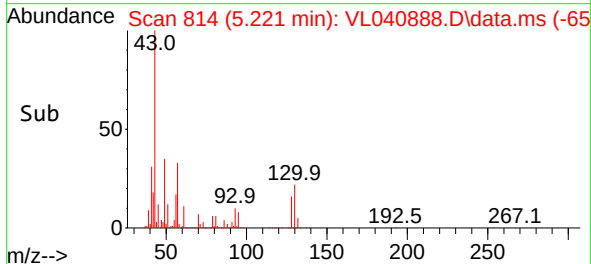
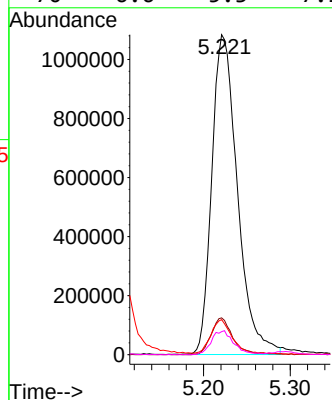
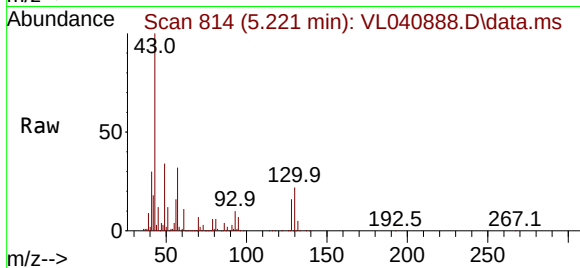


#25
Ethyl Acetate
Concen: 10.340 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2228459

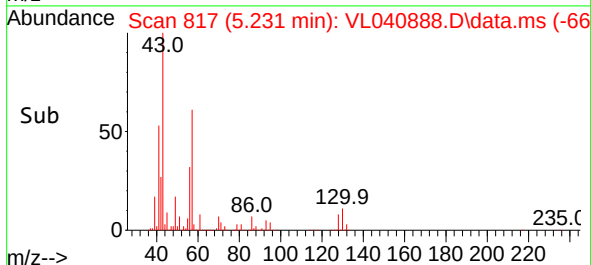
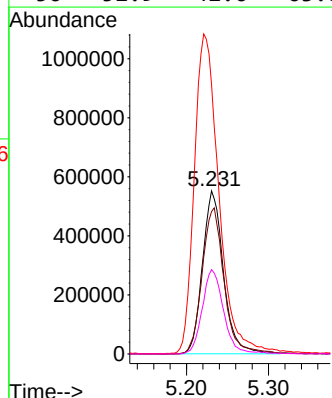
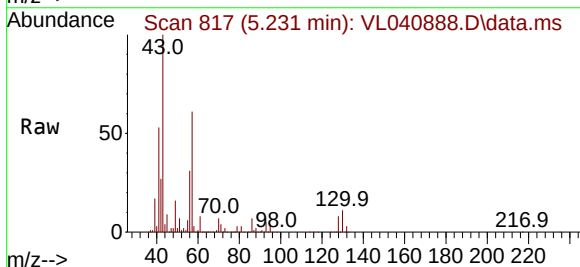
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.4	7.8	11.6
70	6.6	5.3	7.9

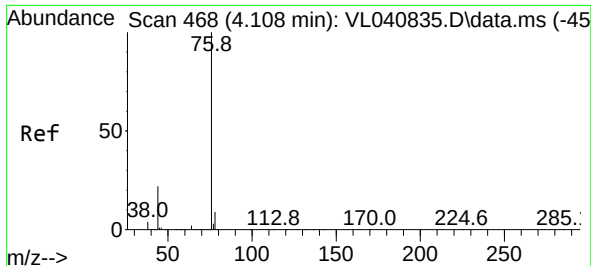


#26
Hexane
Concen: 10.286 ppbv
RT: 5.231 min Scan# 817
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 57 Resp: 981091

Ion	Ratio	Lower	Upper
57	100		
41	94.5	75.4	113.0
43	231.6	185.9	278.9
56	52.9	42.6	63.8



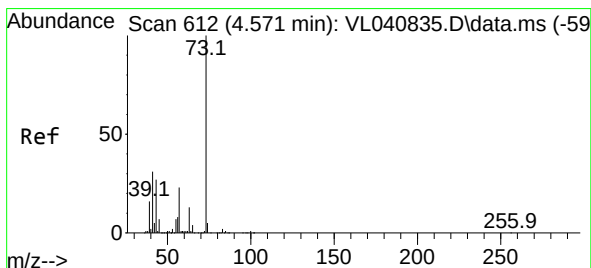
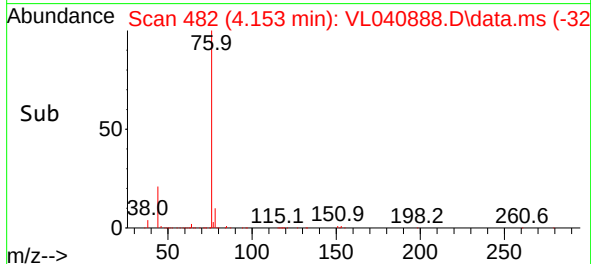
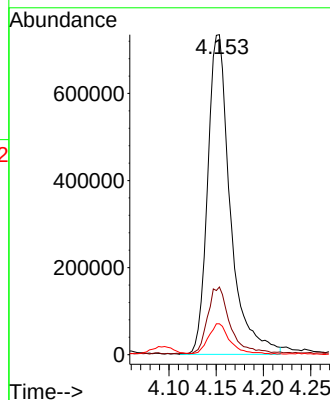
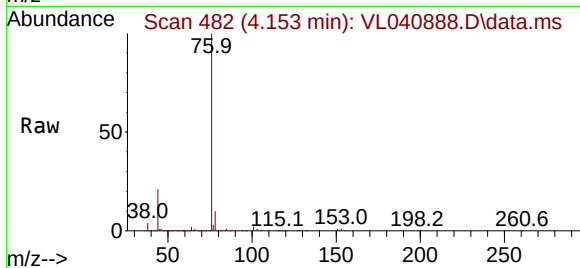


#27
Carbon Disulfide
Concen: 10.109 ppbv
RT: 4.153 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1222673

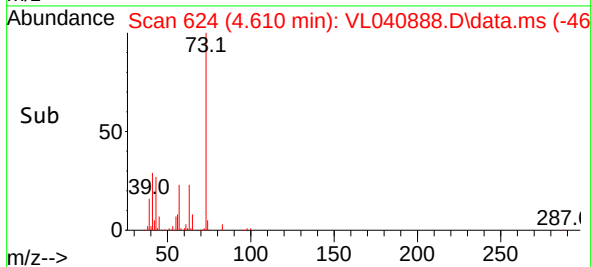
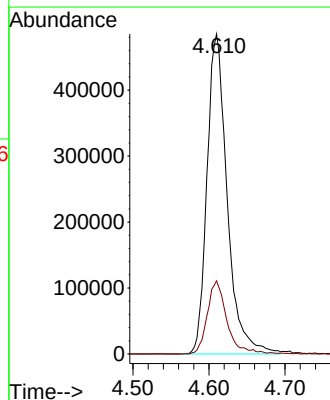
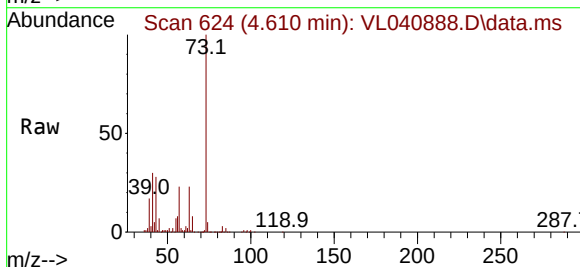
Ion	Ratio	Lower	Upper
76	100		
44	20.4	16.7	25.1
78	9.6	7.6	11.4

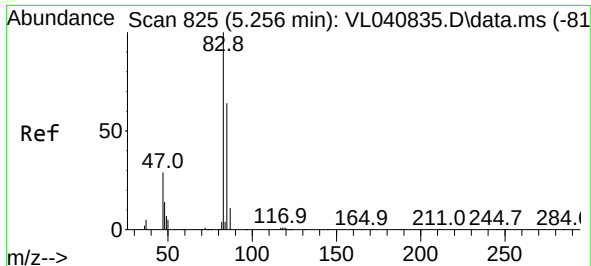


#28
Methyl tert-Butyl Ether
Concen: 10.371 ppbv
RT: 4.610 min Scan# 624
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 73 Resp: 894592

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.0	27.0





#29

Chloroform

Concen: 9.829 ppbv

RT: 5.295 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_L

ClientSampleId :

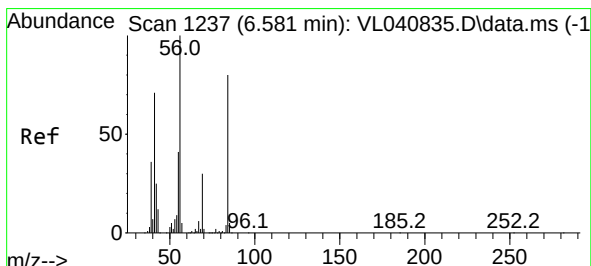
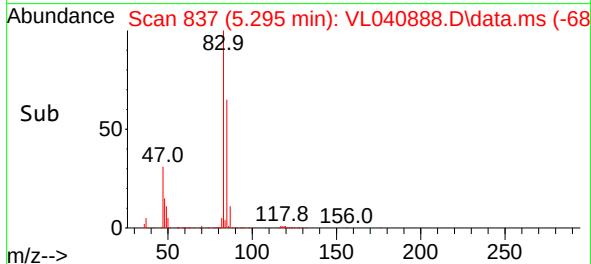
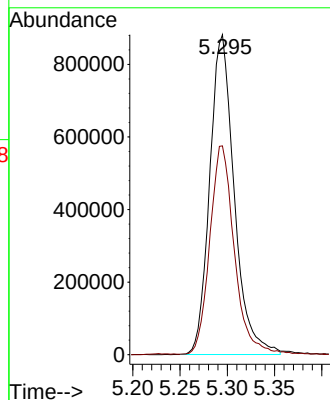
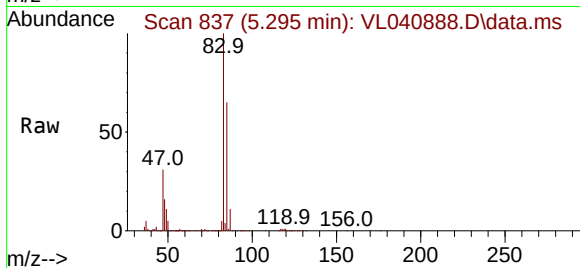
VSTDCCC010

Tgt Ion: 83 Resp: 1588905

Ion Ratio Lower Upper

83 100

85 65.1 51.4 77.0



#30

Cyclohexane

Concen: 9.574 ppbv

RT: 6.613 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

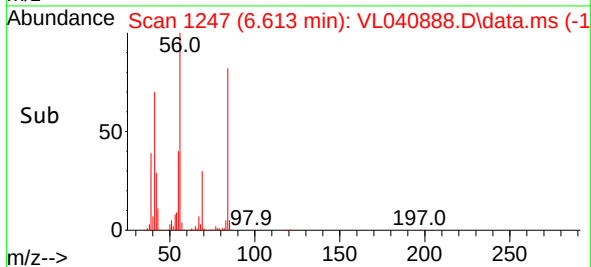
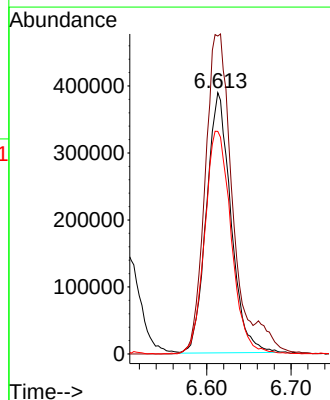
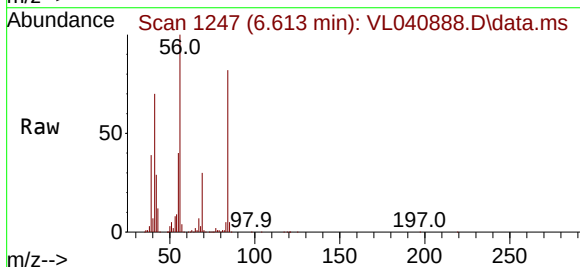
Tgt Ion: 84 Resp: 785593

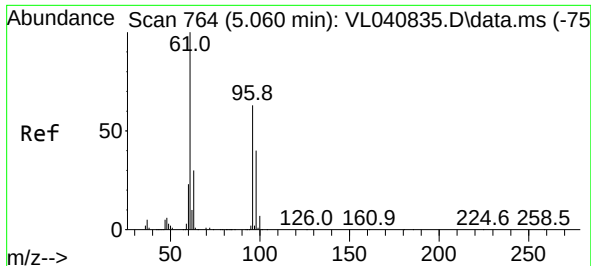
Ion Ratio Lower Upper

84 100

56 140.8 109.3 163.9

41 92.7 71.4 107.2

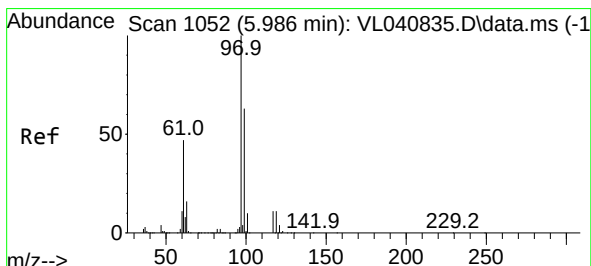
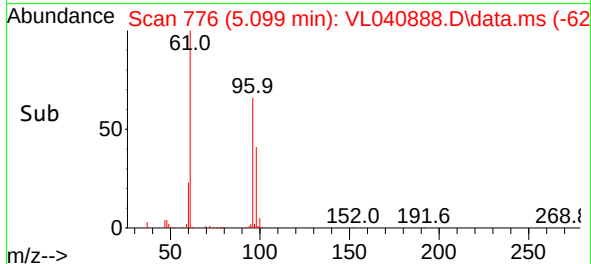
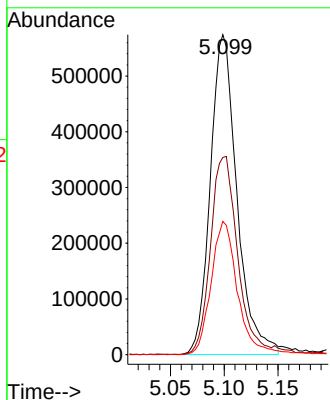
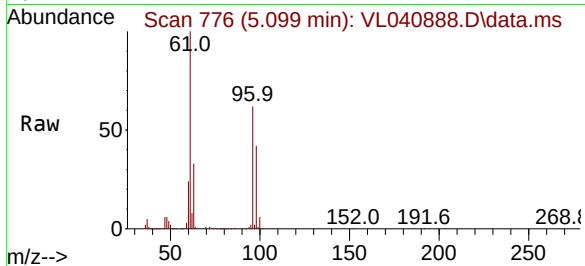




#31
 cis-1,2-Dichloroethene
 Concen: 10.438 ppbv
 RT: 5.099 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL040888.D
 Acq: 17 Nov 2023 9:58

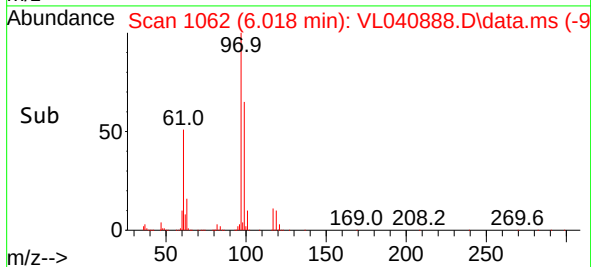
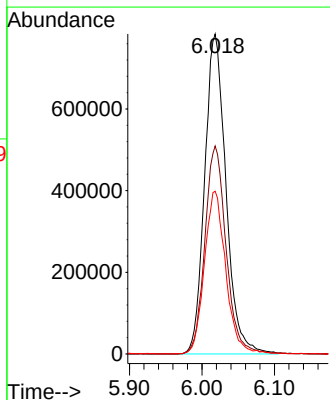
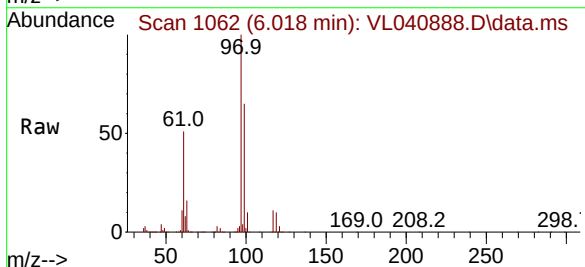
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

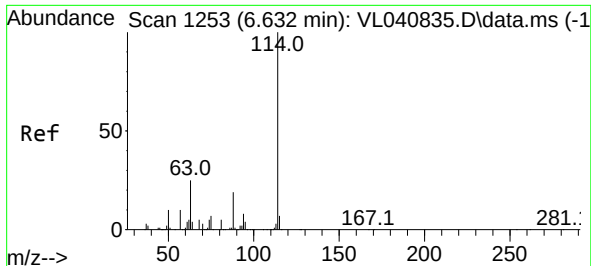
Tgt Ion: 61 Resp: 985203
 Ion Ratio Lower Upper
 61 100
 96 61.6 50.5 75.7
 98 41.7 31.9 47.9



#32
 1,1,1-Trichloroethane
 Concen: 10.611 ppbv
 RT: 6.018 min Scan# 1062
 Delta R.T. 0.000 min
 Lab File: VL040888.D
 Acq: 17 Nov 2023 9:58

Tgt Ion: 97 Resp: 1600361
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.2 78.4
 61 51.3 41.0 61.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.665 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

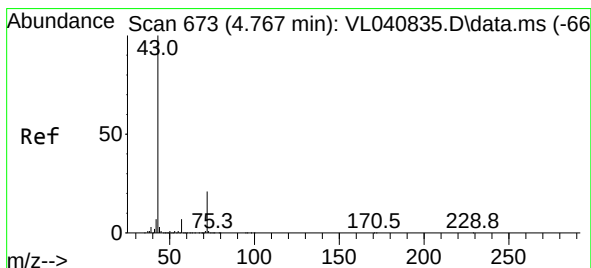
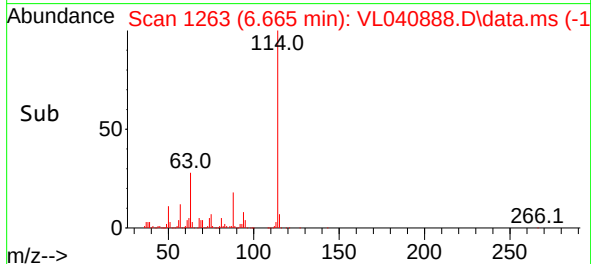
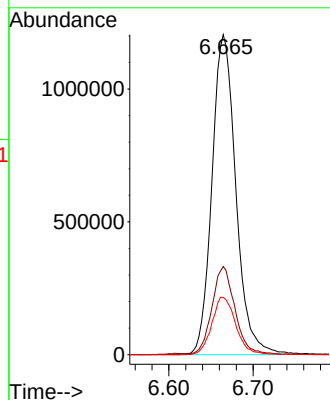
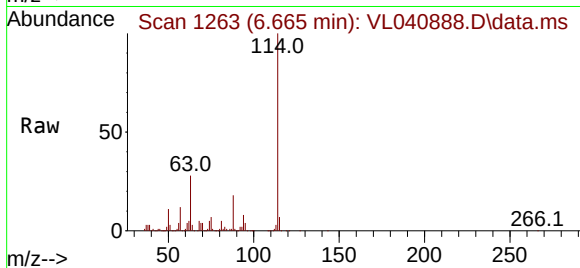
Tgt Ion:114 Resp: 2368371

Ion Ratio Lower Upper

114 100

63 27.1 20.9 31.3

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 11.486 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.000 min

Lab File: VL040888.D

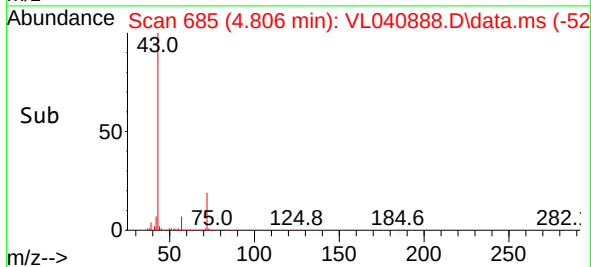
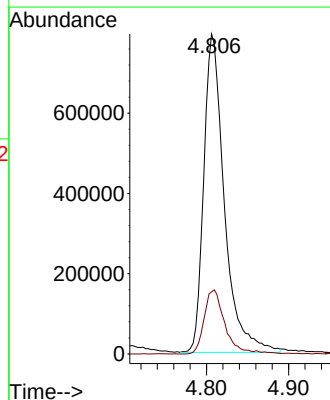
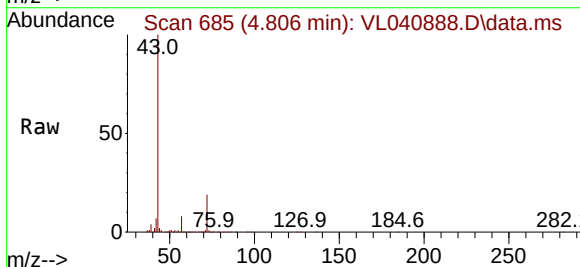
Acq: 17 Nov 2023 9:58

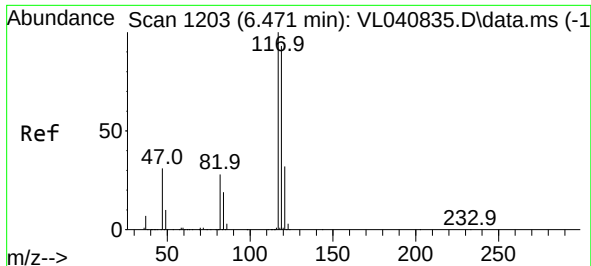
Tgt Ion: 43 Resp: 1385888

Ion Ratio Lower Upper

43 100

72 20.6 17.2 25.8

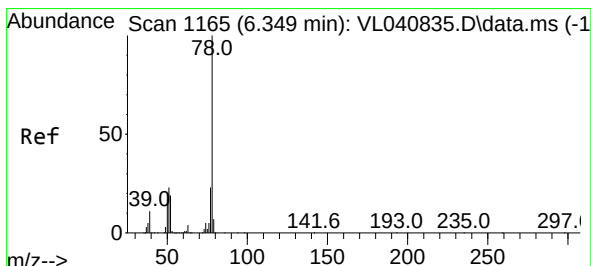
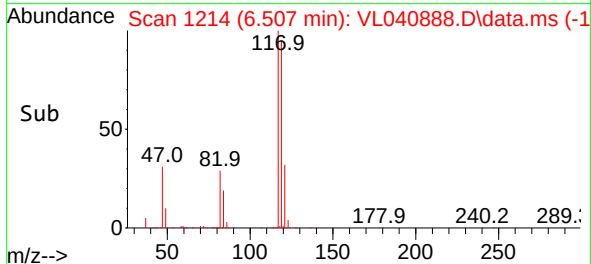
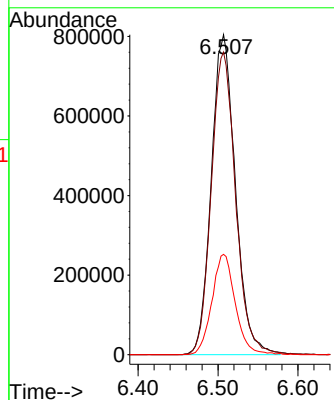
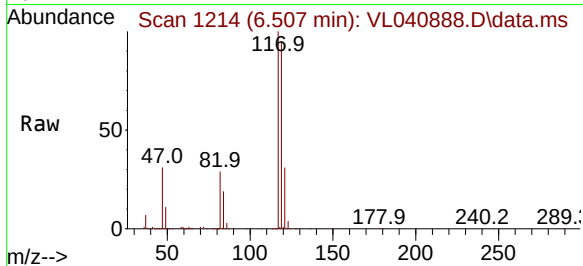




#35
Carbon Tetrachloride
Concen: 11.590 ppbv
RT: 6.507 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

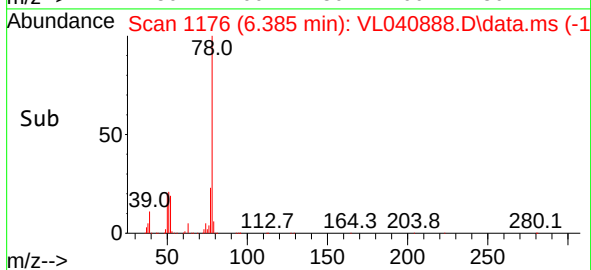
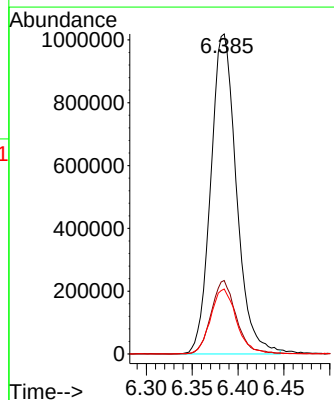
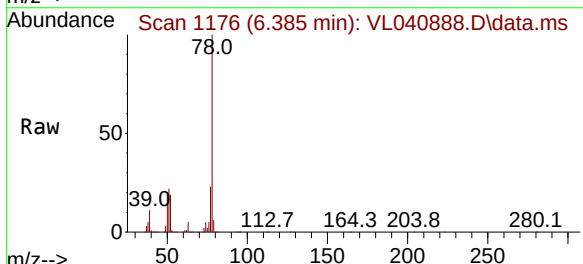
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

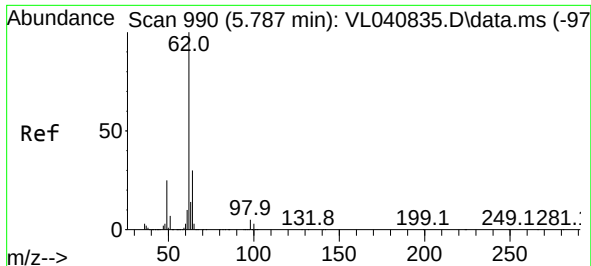
Tgt Ion:117 Resp: 1684134
Ion Ratio Lower Upper
117 100
119 94.5 74.7 112.1
121 31.3 25.5 38.3



#36
Benzene
Concen: 10.309 ppbv
RT: 6.385 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 78 Resp: 1981621
Ion Ratio Lower Upper
78 100
77 22.8 18.4 27.6
50 20.3 16.2 24.2





#37

1,2-Dichloroethane

Concen: 11.030 ppbv

RT: 5.822 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_L

ClientSampleId :

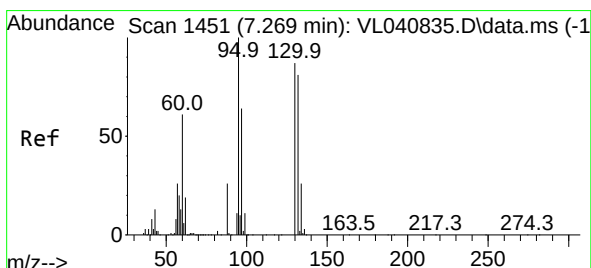
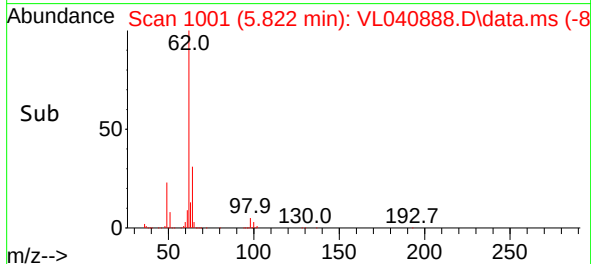
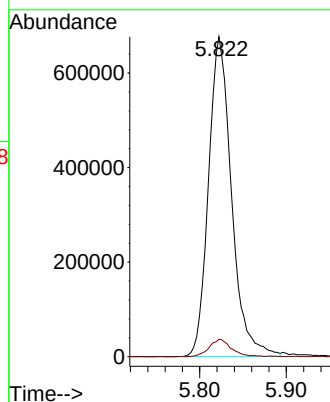
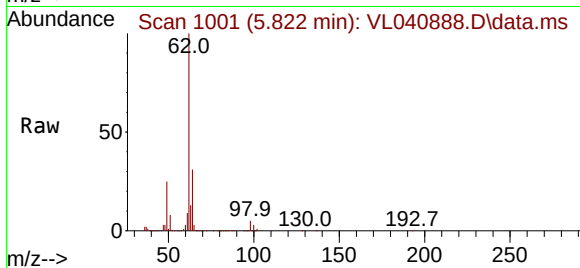
VSTDCCC010

Tgt Ion: 62 Resp: 1250451

Ion Ratio Lower Upper

62 100

98 5.4 4.6 6.8



#38

Trichloroethene

Concen: 9.984 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Tgt Ion:130 Resp: 745981

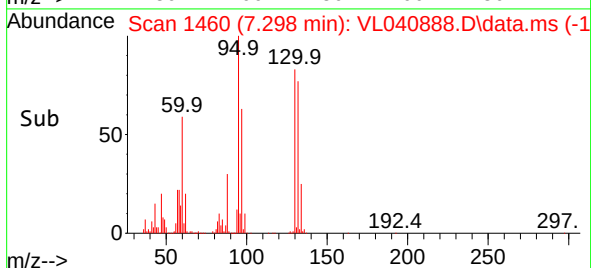
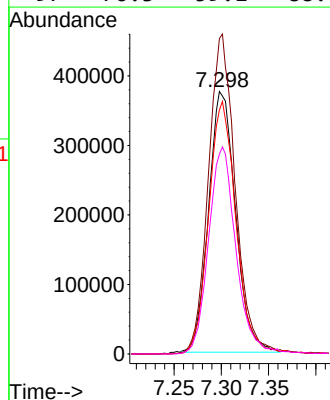
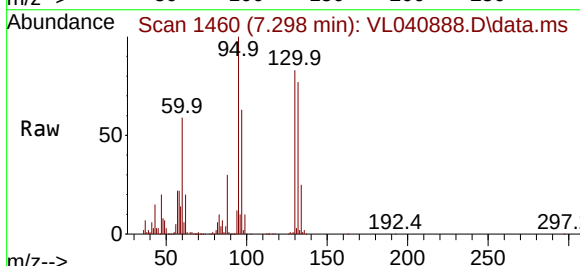
Ion Ratio Lower Upper

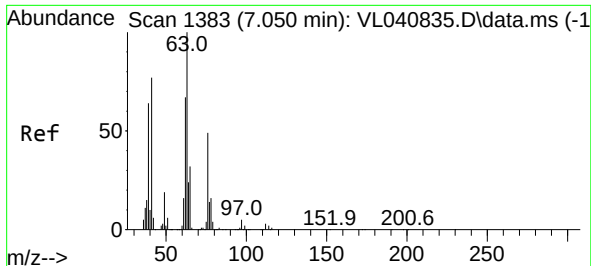
130 100

95 120.5 92.4 138.6

132 93.4 75.1 112.7

97 76.3 59.1 88.7





#39

1,2-Dichloropropane

Concen: 10.272 ppbv

RT: 7.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

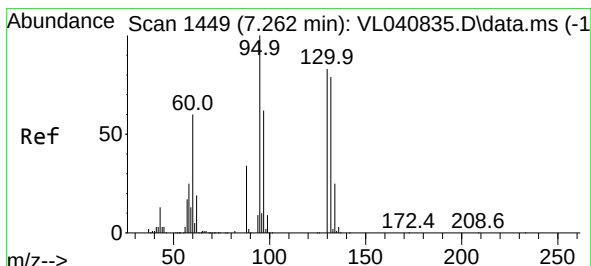
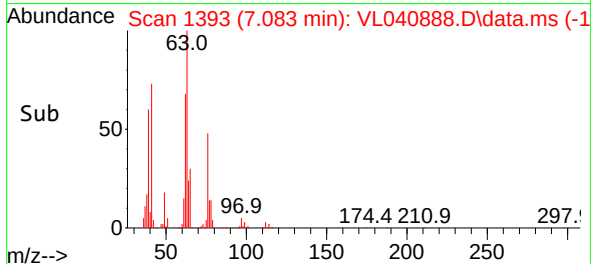
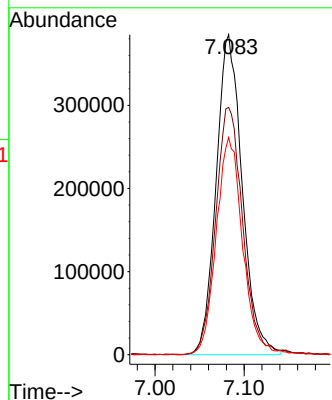
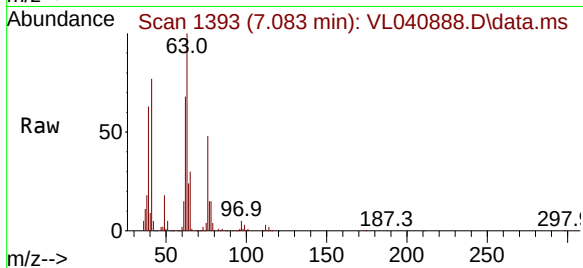
Tgt Ion: 63 Resp: 782883

Ion Ratio Lower Upper

63 100

41 77.2 61.5 92.3

62 67.9 53.9 80.9



#40

1,4-Dioxane

Concen: 10.344 ppbv

RT: 7.292 min Scan# 1458

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Tgt Ion: 88 Resp: 312804

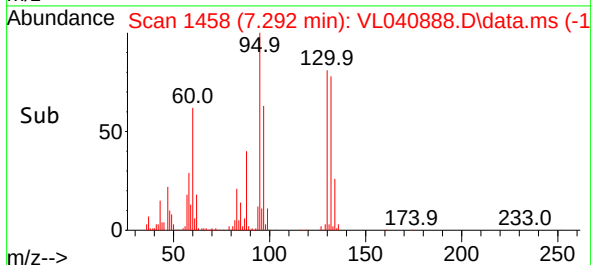
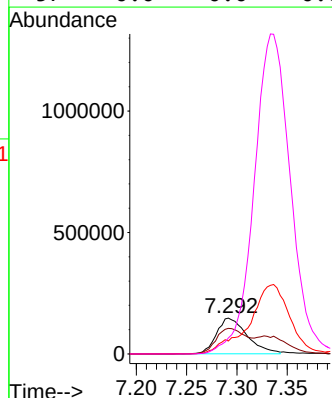
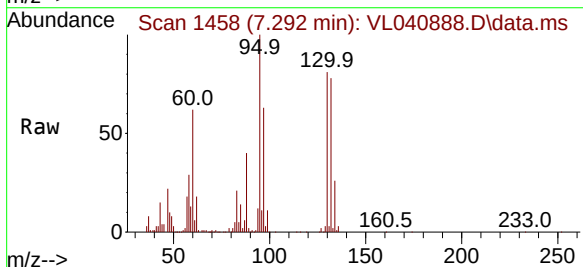
Ion Ratio Lower Upper

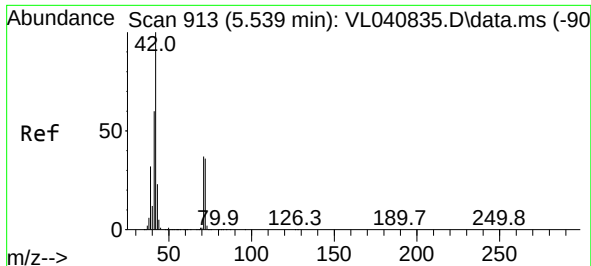
88 100

58 123.2 101.0 151.6

43 0.0 0.0 0.0

57 0.0 0.0 0.0

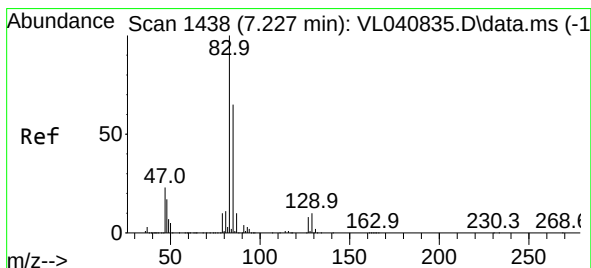
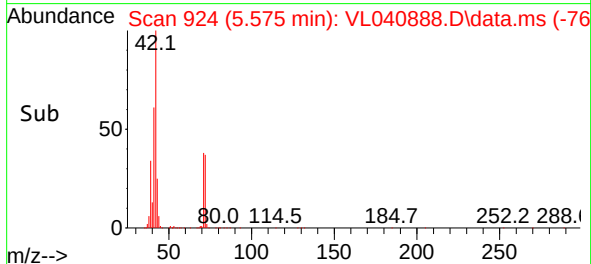
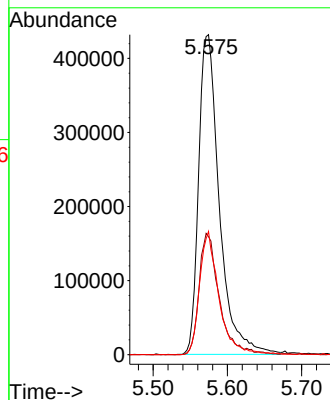
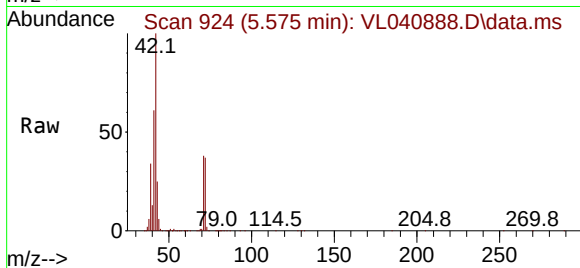




#41
Tetrahydrofuran
Concen: 11.263 ppbv
RT: 5.575 min Scan# 913
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

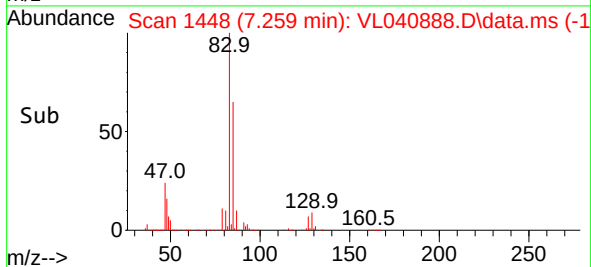
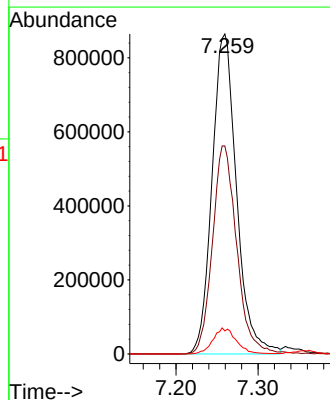
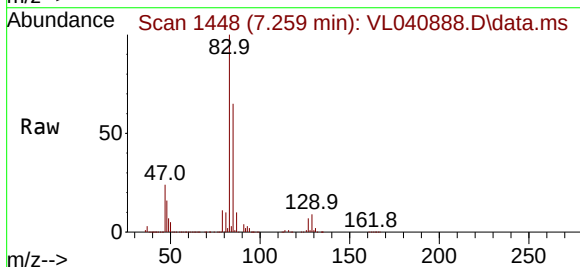
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

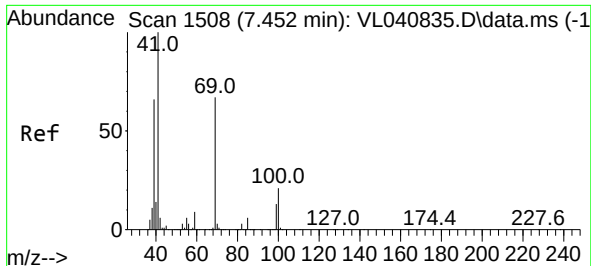
Tgt Ion: 42 Resp: 836674
Ion Ratio Lower Upper
42 100
72 37.4 30.8 46.2
71 36.2 30.0 45.0



#42
Bromodichloromethane
Concen: 11.076 ppbv
RT: 7.259 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 83 Resp: 1796951
Ion Ratio Lower Upper
83 100
85 65.0 52.3 78.5
127 7.2 6.6 10.0

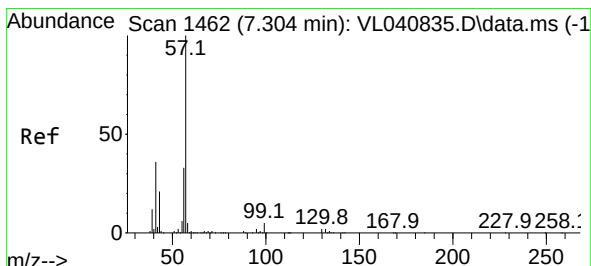
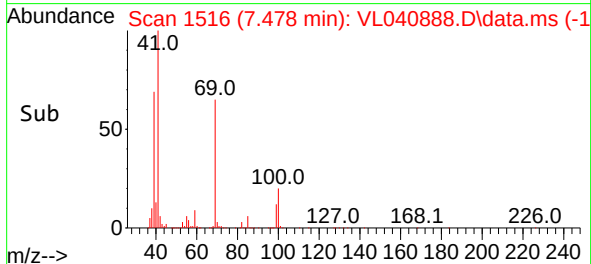
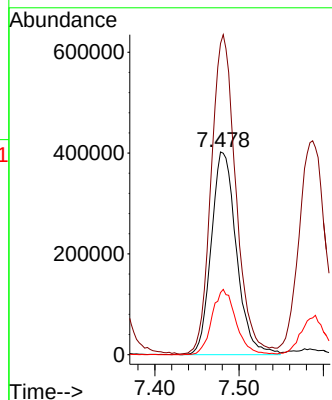
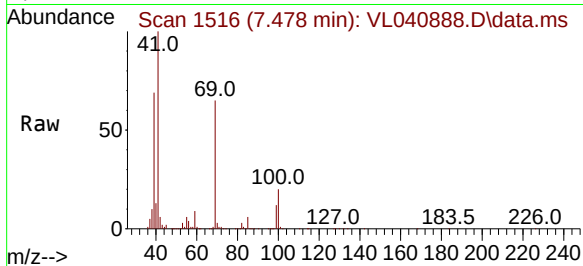




#43
Methyl Methacrylate
Concen: 11.366 ppbv
RT: 7.478 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

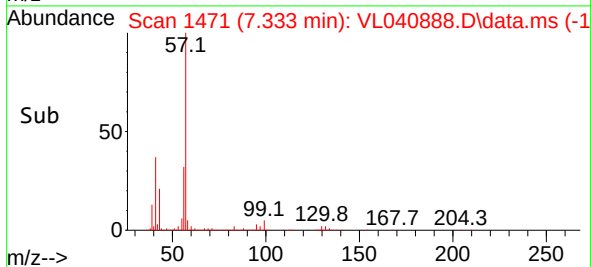
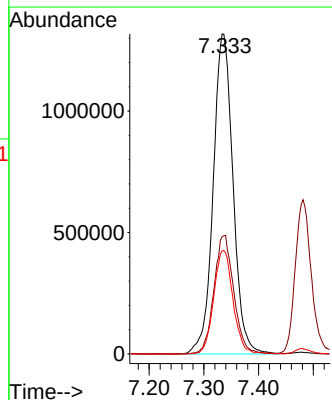
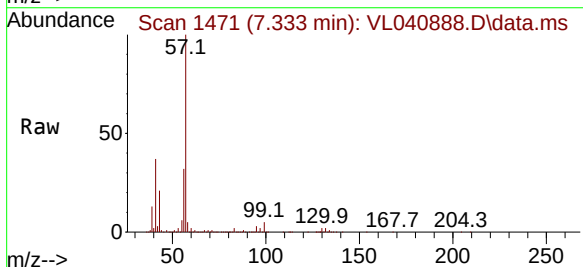
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

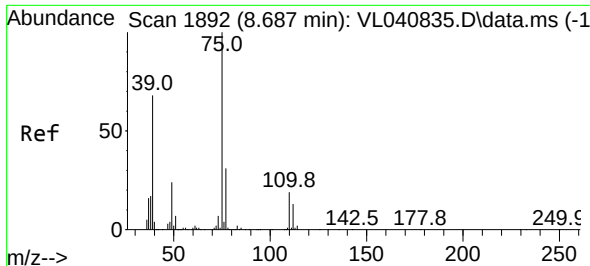
Tgt Ion: 69 Resp: 832541
Ion Ratio Lower Upper
69 100
41 155.3 123.0 184.4
100 30.8 25.4 38.2



#44
2,2,4-Trimethylpentane
Concen: 10.397 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 57 Resp: 3319596
Ion Ratio Lower Upper
57 100
41 37.0 29.0 43.6
56 31.5 25.2 37.8

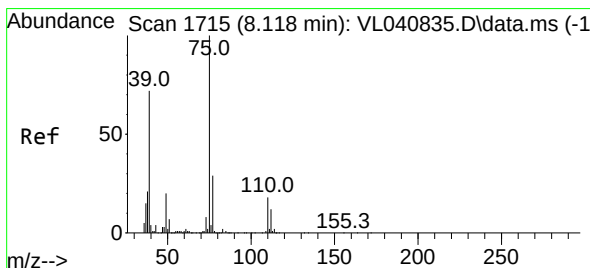
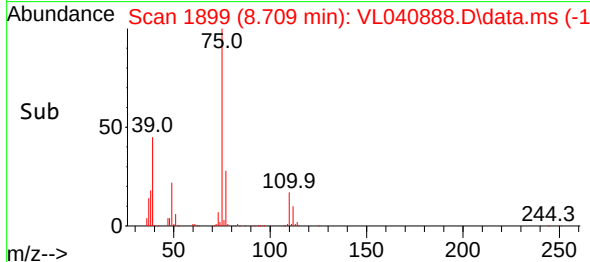
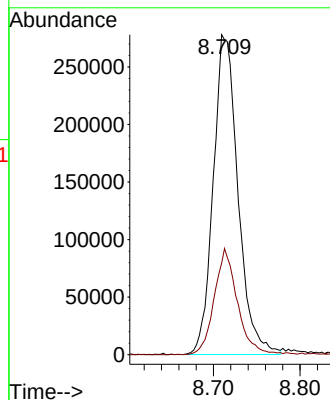
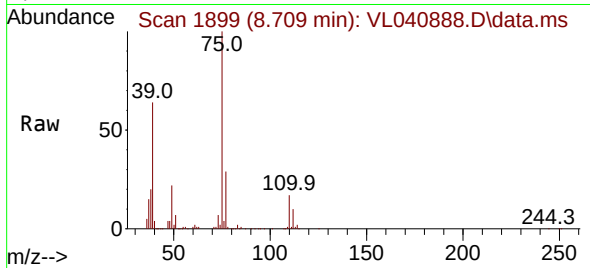




#45
 t-1,3-Dichloropropene
 Concen: 12.799 ppbv
 RT: 8.709 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VL040888.D
 Acq: 17 Nov 2023 9:58

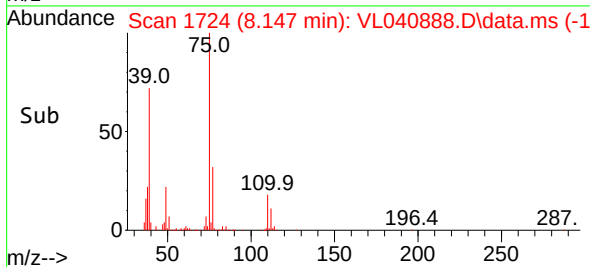
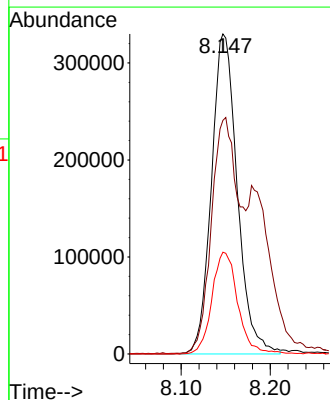
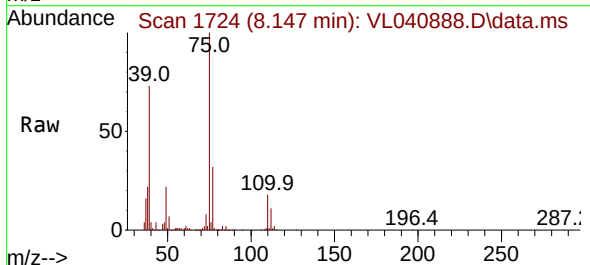
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

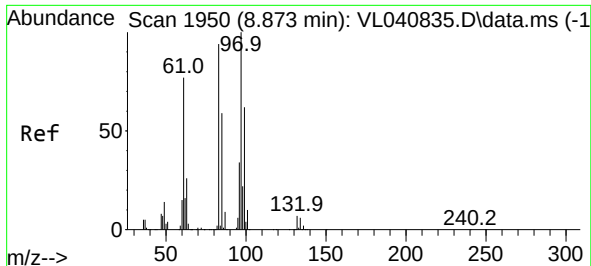
Tgt Ion: 75 Resp: 550938
 Ion Ratio Lower Upper
 75 100
 77 28.5 24.9 37.3



#46
 cis-1,3-Dichloropropene
 Concen: 11.901 ppbv
 RT: 8.147 min Scan# 1724
 Delta R.T. 0.000 min
 Lab File: VL040888.D
 Acq: 17 Nov 2023 9:58

Tgt Ion: 75 Resp: 664220
 Ion Ratio Lower Upper
 75 100
 39 72.8 57.3 85.9
 77 31.8 23.0 34.6

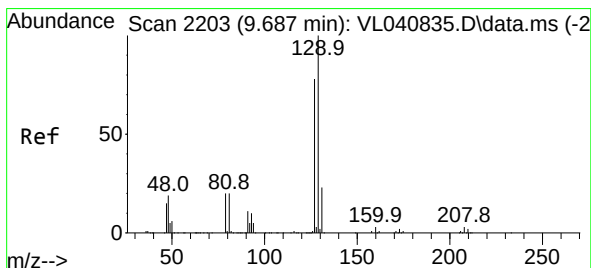
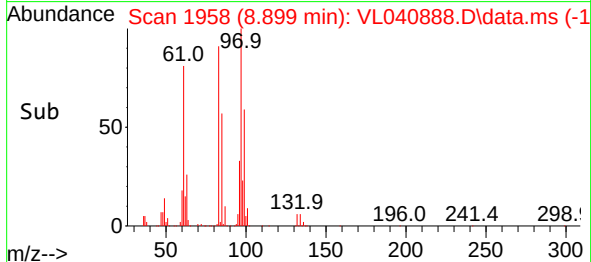
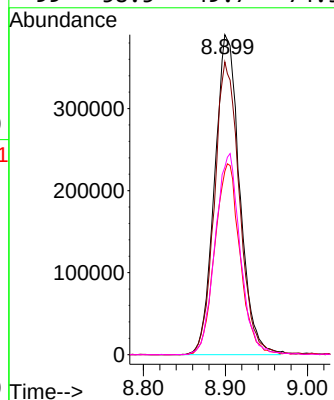
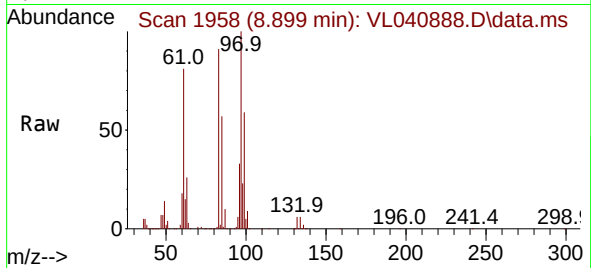




#47
1,1,2-Trichloroethane
Concen: 10.374 ppbv
RT: 8.899 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

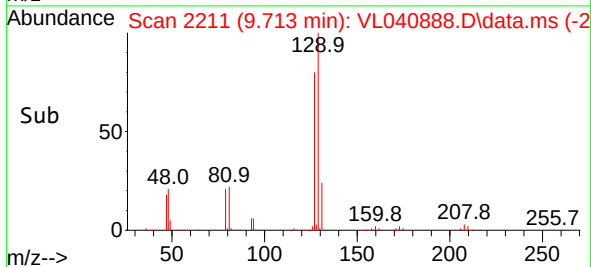
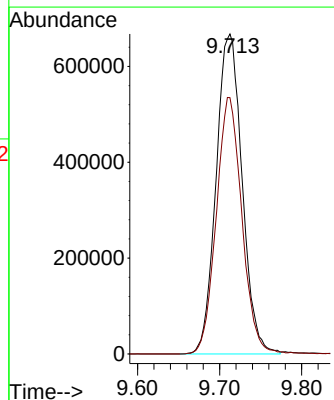
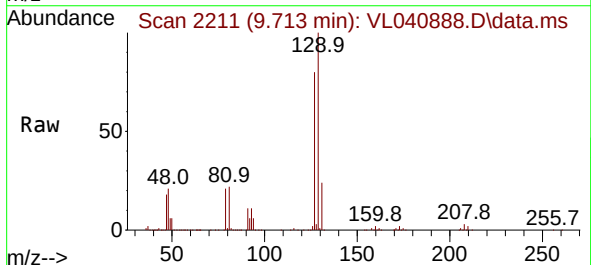
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

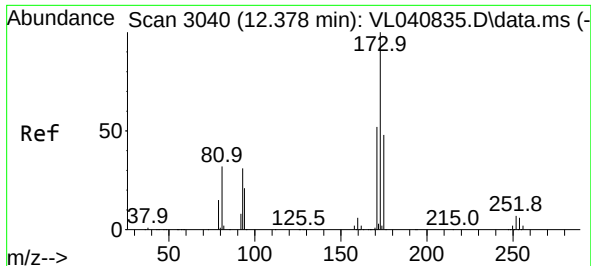
Tgt Ion: 97 Resp: 828444
Ion Ratio Lower Upper
97 100
83 91.5 74.8 112.2
85 57.3 47.4 71.0
99 58.5 49.7 74.5



#48
Dibromochloromethane
Concen: 11.121 ppbv
RT: 9.713 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 129 Resp: 1473583
Ion Ratio Lower Upper
129 100
127 79.1 39.3 117.9

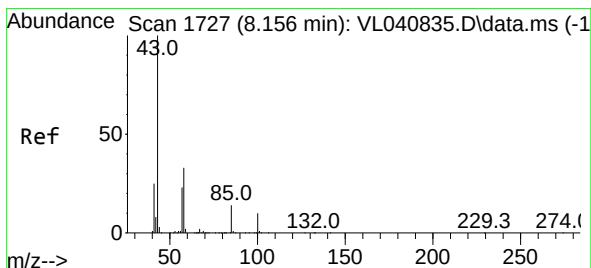
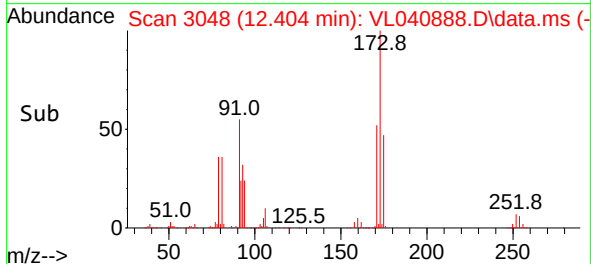
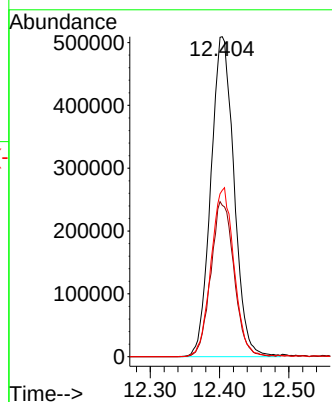
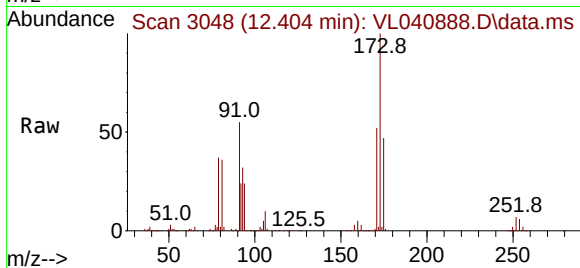




#49
Bromoform
Concen: 11.879 ppbv
RT: 12.404 min Scan# 3040
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

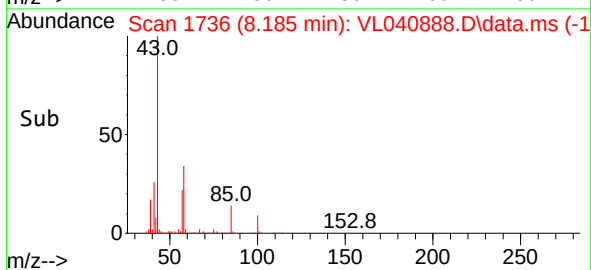
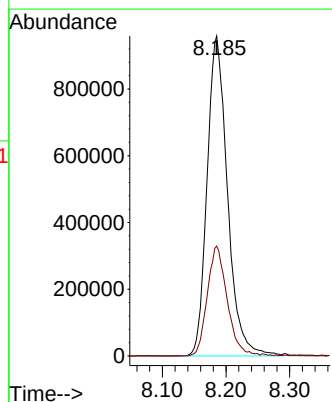
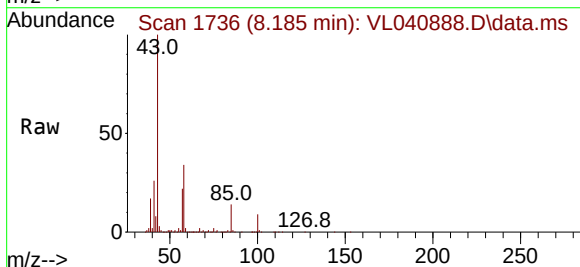
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

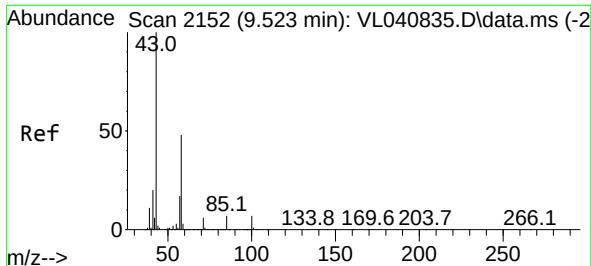
Tgt Ion:173 Resp: 1183966
Ion Ratio Lower Upper
173 100
175 48.6 39.0 58.6
171 52.4 41.8 62.6



#50
4-Methyl-2-Pentanone
Concen: 11.433 ppbv
RT: 8.185 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 43 Resp: 2134781
Ion Ratio Lower Upper
43 100
58 33.9 27.8 41.6



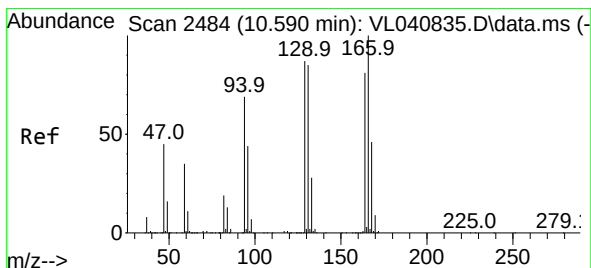
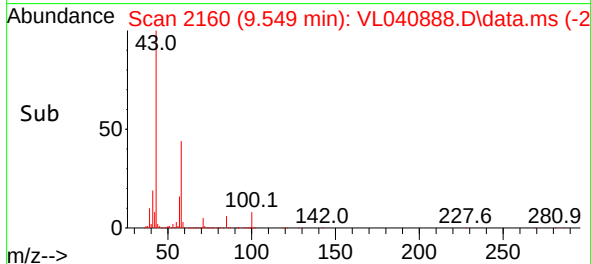
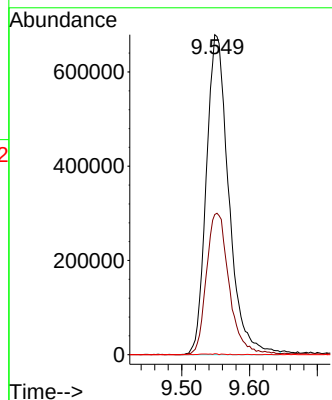
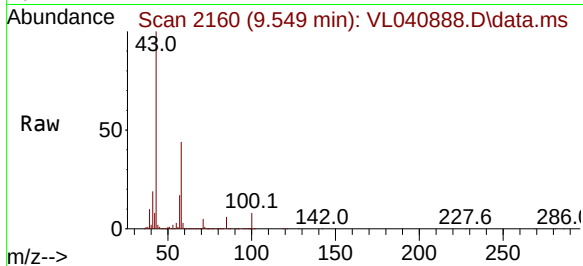


#51
2-Hexanone
Concen: 11.873 ppbv
RT: 9.549 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1562717

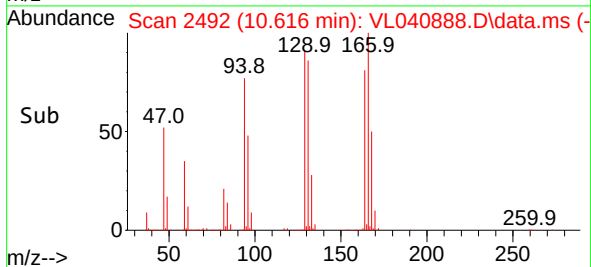
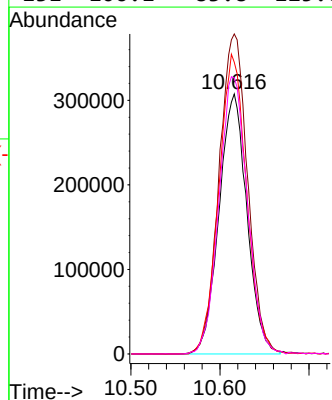
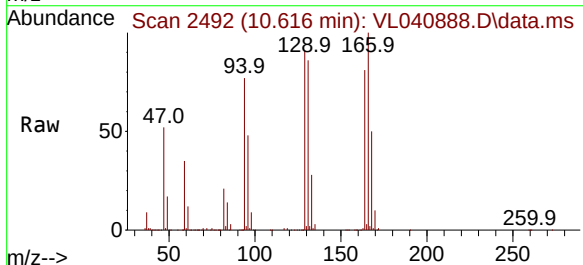
Ion	Ratio	Lower	Upper
43	100		
58	45.3	37.4	56.2
98	0.2	0.2	0.2

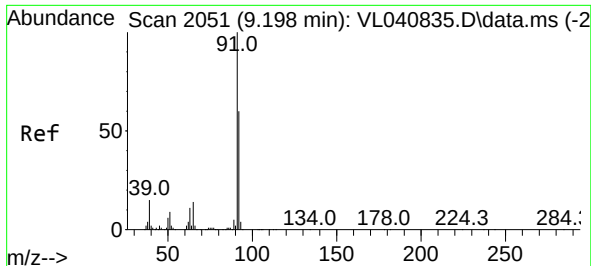


#52
Tetrachloroethene
Concen: 10.325 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 164 Resp: 668336

Ion	Ratio	Lower	Upper
164	100		
166	123.1	98.3	147.5
129	112.1	85.1	127.7
131	106.1	83.8	125.6

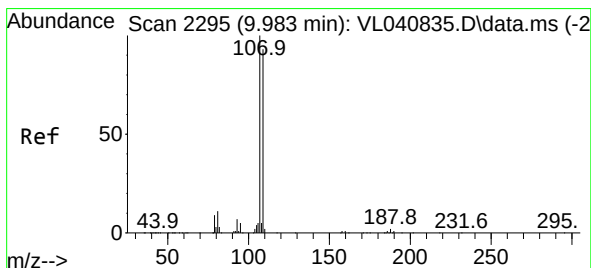
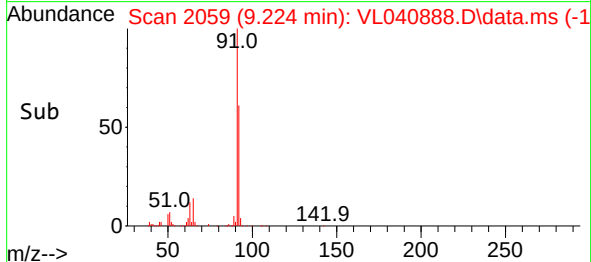
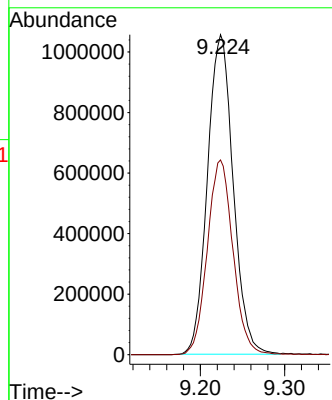
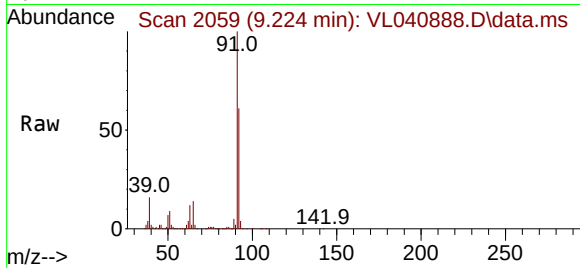




#53
Toluene
Concen: 10.604 ppbv
RT: 9.224 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

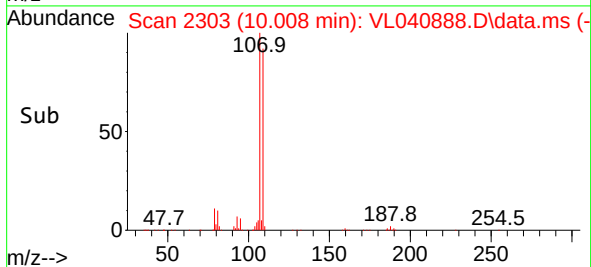
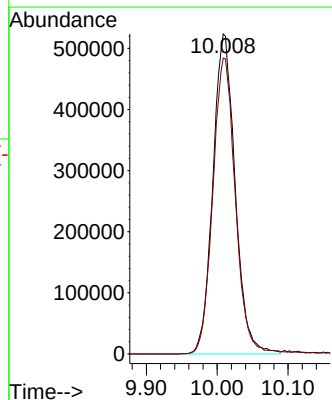
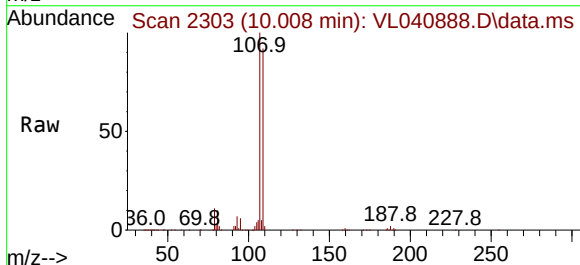
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

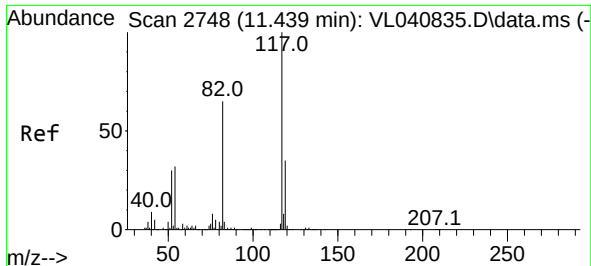
Tgt Ion: 91 Resp: 2242902
Ion Ratio Lower Upper
91 100
92 60.8 49.4 74.2



#54
1,2-Dibromoethane
Concen: 11.117 ppbv
RT: 10.008 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 107 Resp: 1142531
Ion Ratio Lower Upper
107 100
109 92.5 74.5 111.7

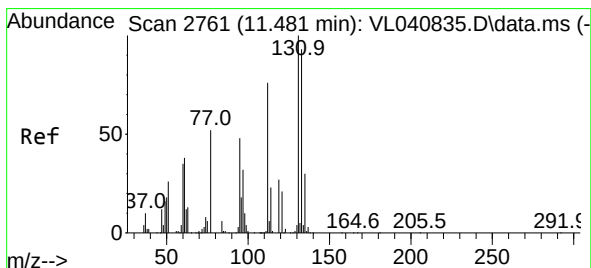
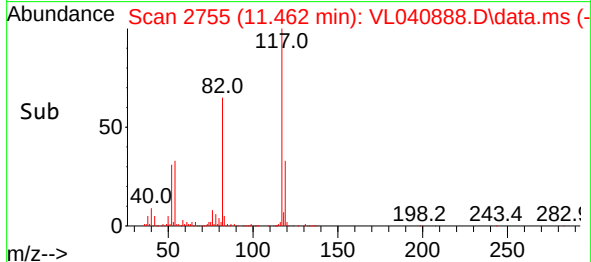
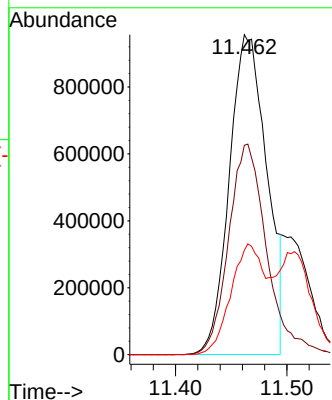
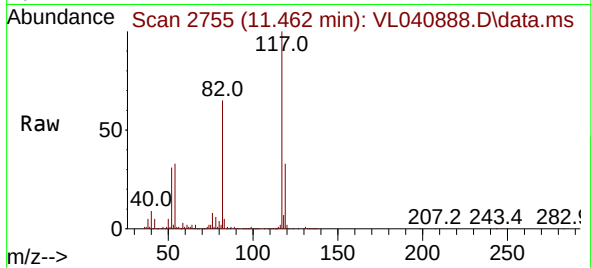




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

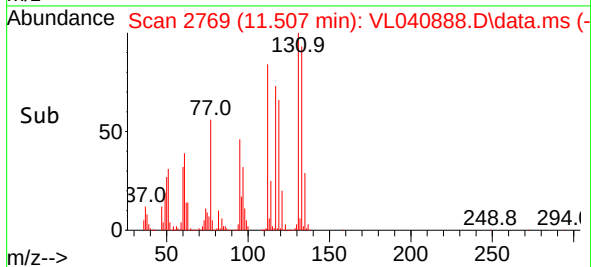
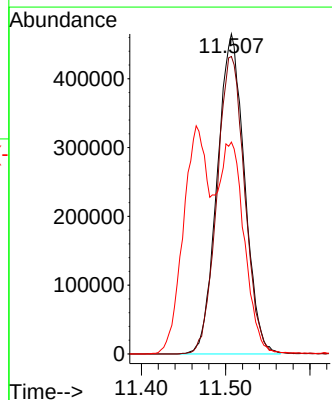
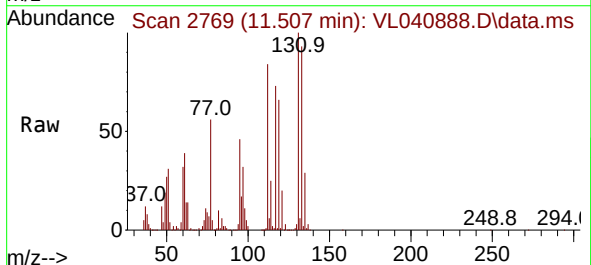
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

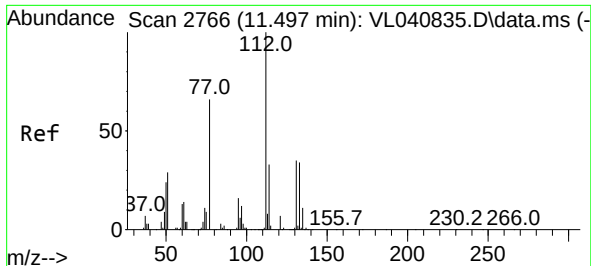
Tgt Ion:117 Resp: 2235479
Ion Ratio Lower Upper
117 100
82 67.4 50.6 75.8
119 31.3 23.3 34.9



#56
1,1,1,2-Tetrachloroethane
Concen: 10.941 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion:131 Resp: 1046765
Ion Ratio Lower Upper
131 100
133 94.6 76.4 114.6
119 68.8 51.1 76.7





#57

Chlorobenzene

Concen: 10.367 ppbv

RT: 11.523 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

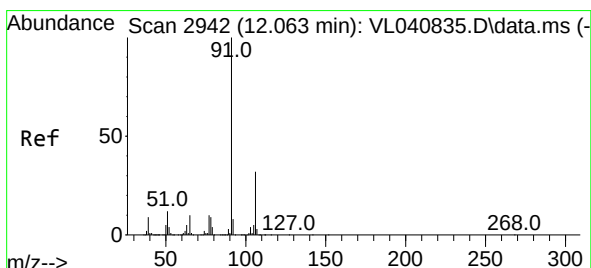
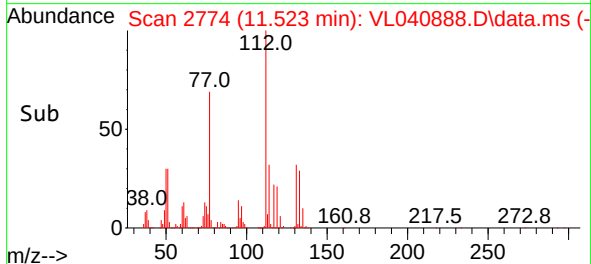
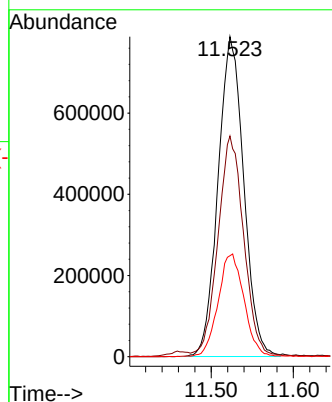
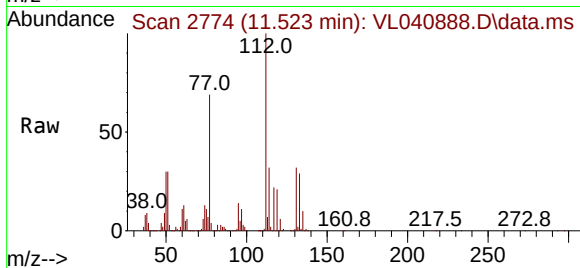
Tgt Ion:112 Resp: 1717750

Ion Ratio Lower Upper

112 100

77 68.4 53.3 79.9

114 31.5 29.3 35.9



#58

Ethyl Benzene

Concen: 10.476 ppbv

RT: 12.086 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VL040888.D

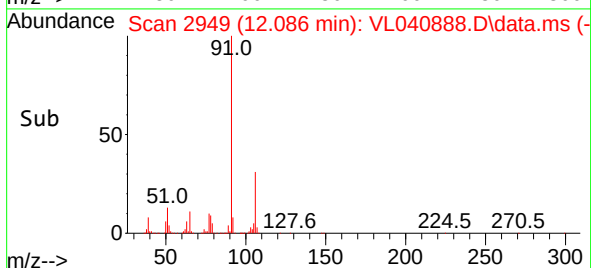
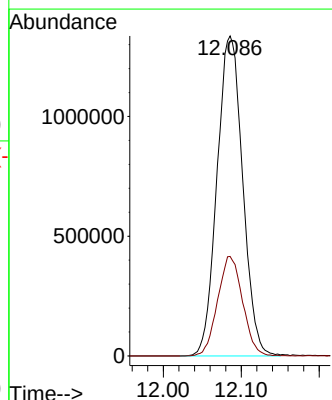
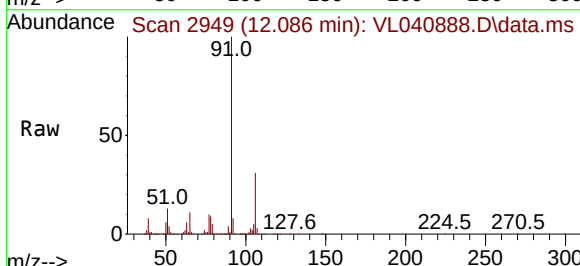
Acq: 17 Nov 2023 9:58

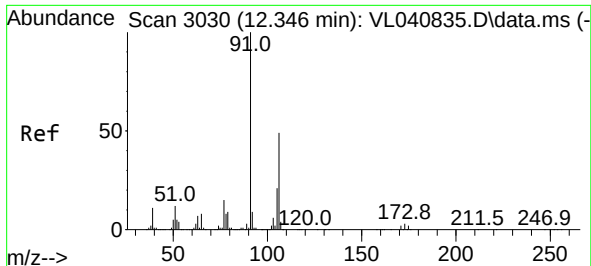
Tgt Ion: 91 Resp: 3055704

Ion Ratio Lower Upper

91 100

106 31.1 25.2 37.8





#59

m/p-Xylene

Concen: 11.915 ppbv

RT: 12.368 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_L

ClientSampleId :

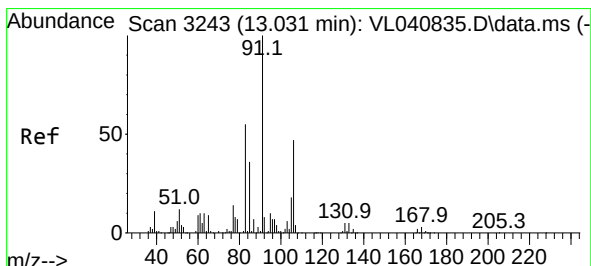
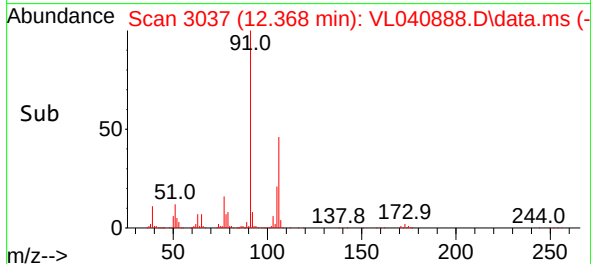
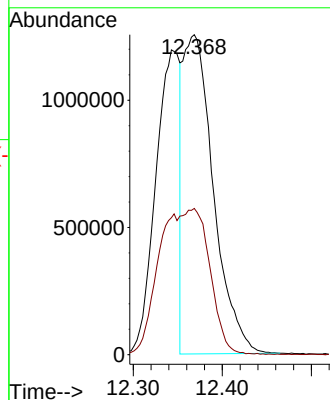
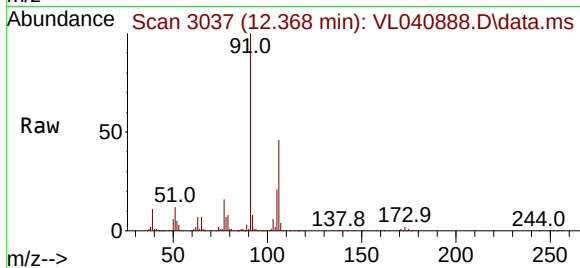
VSTDCCC010

Tgt Ion: 91 Resp: 2959477

Ion Ratio Lower Upper

91 100

106 76.6 35.4 53.0#



#60

o-Xylene

Concen: 10.568 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VL040888.D

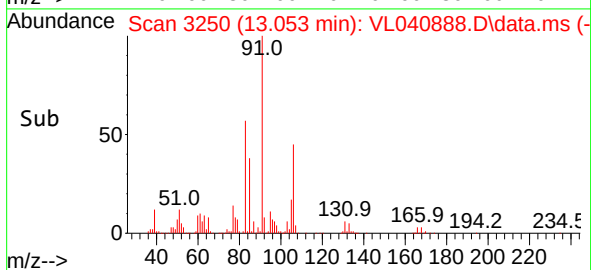
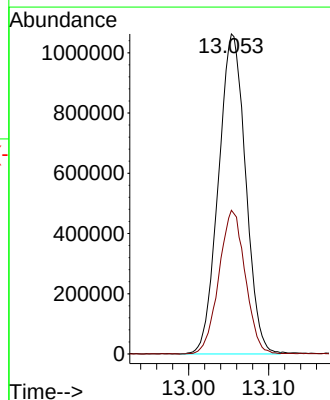
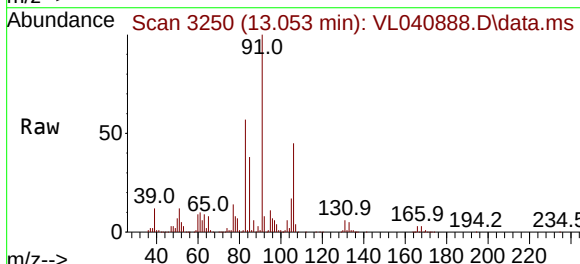
Acq: 17 Nov 2023 9:58

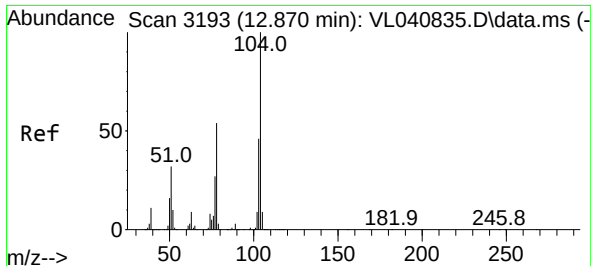
Tgt Ion: 91 Resp: 2498865

Ion Ratio Lower Upper

91 100

106 43.7 22.9 68.5

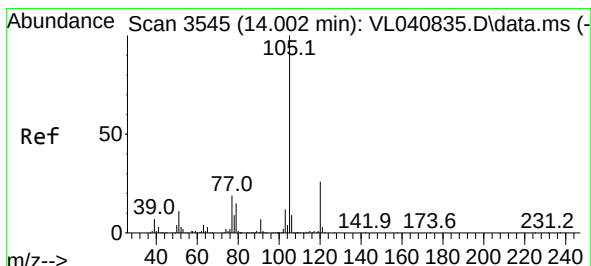
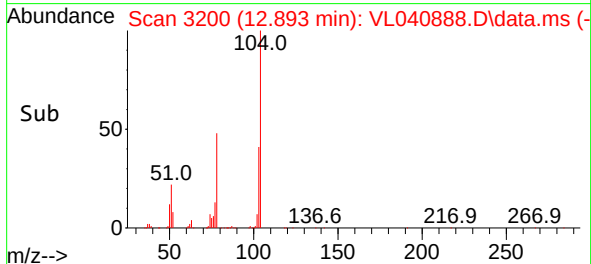
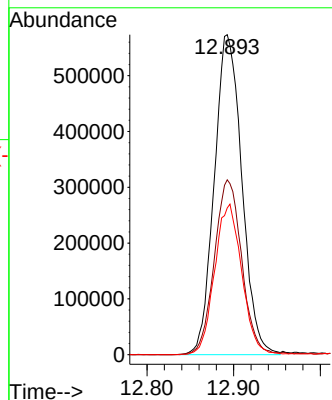
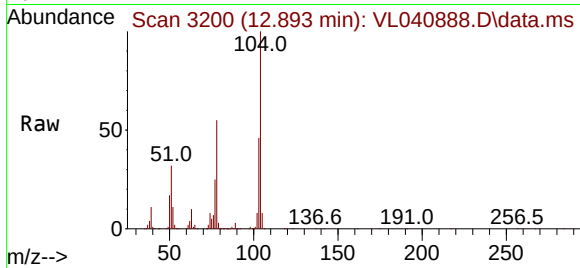




#61
Styrene
Concen: 11.122 ppbv
RT: 12.893 min Scan# 3193
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

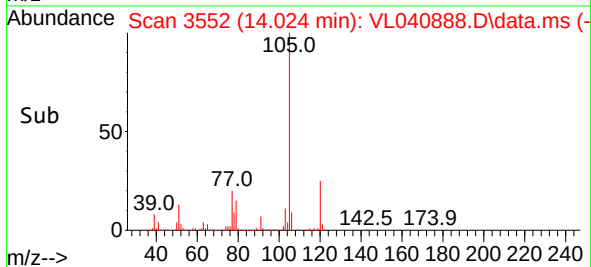
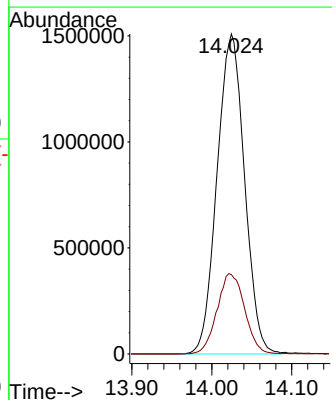
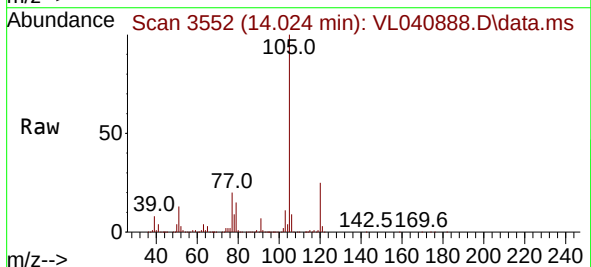
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

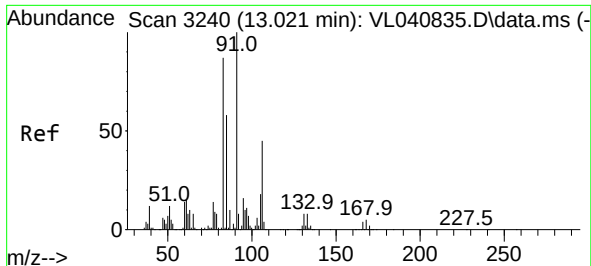
Tgt Ion:104 Resp: 1268245
Ion Ratio Lower Upper
104 100
78 54.7 43.3 64.9
103 46.5 37.6 56.4



#62
Isopropylbenzene
Concen: 10.294 ppbv
RT: 14.024 min Scan# 3552
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion:105 Resp: 3595958
Ion Ratio Lower Upper
105 100
120 25.3 20.7 31.1

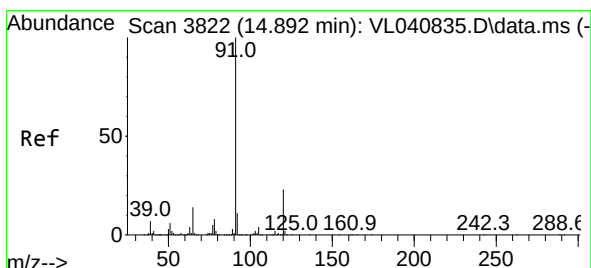
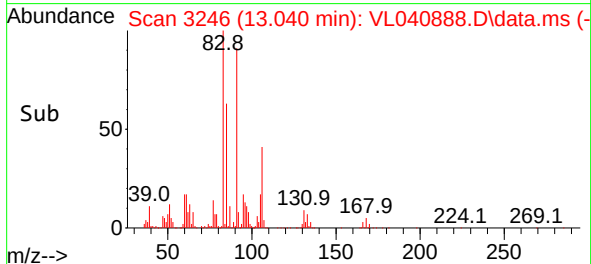
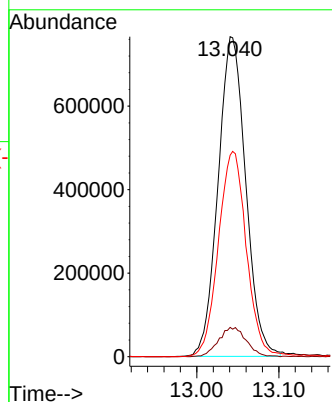
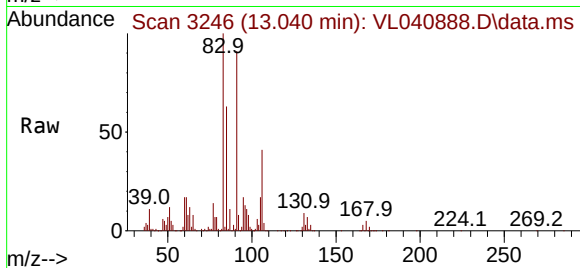




#63
1,1,2,2-Tetrachloroethane
Concen: 10.716 ppbv
RT: 13.040 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

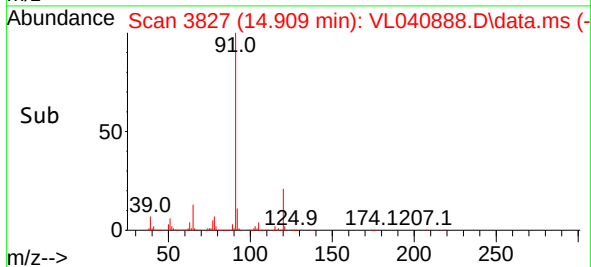
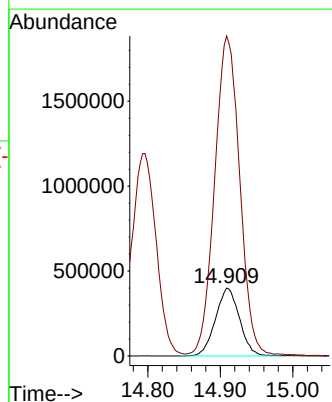
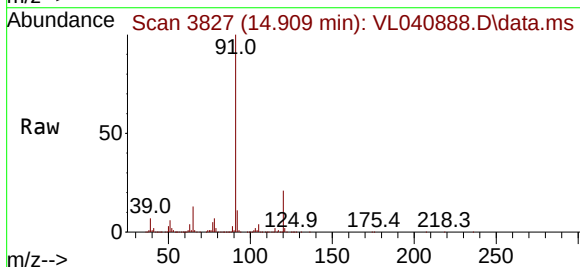
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

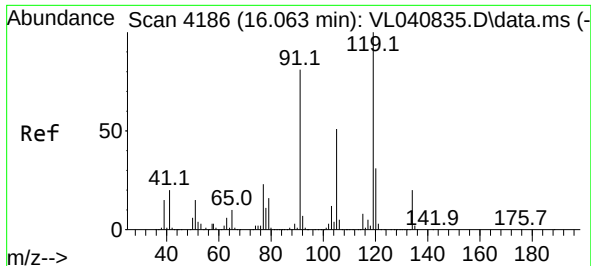
Tgt Ion: 83 Resp: 1795826
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.7
85 65.9 32.9 98.7



#64
n-propylbenzene
Concen: 10.501 ppbv
RT: 14.909 min Scan# 3827
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion:120 Resp: 919406
Ion Ratio Lower Upper
120 100
91 494.2 381.1 571.7

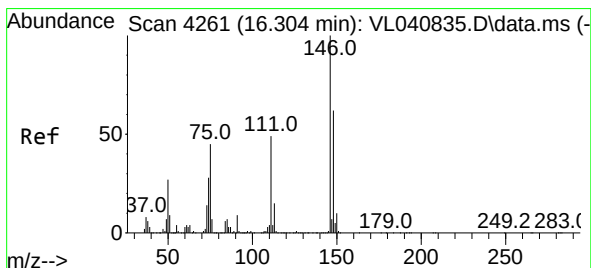
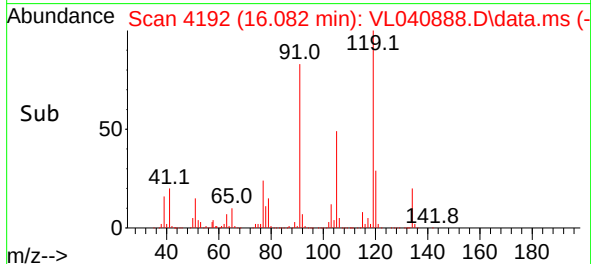
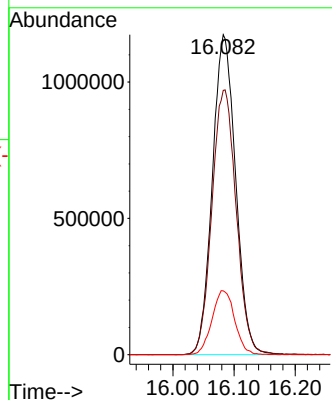
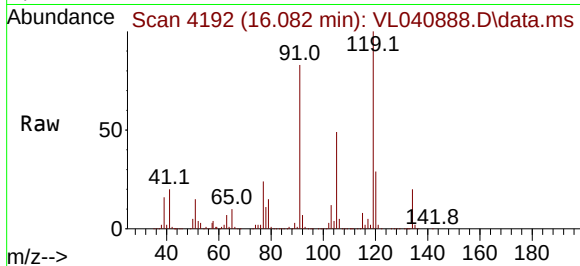




#65
tert-Butylbenzene
Concen: 10.543 ppbv
RT: 16.082 min Scan# 4186
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

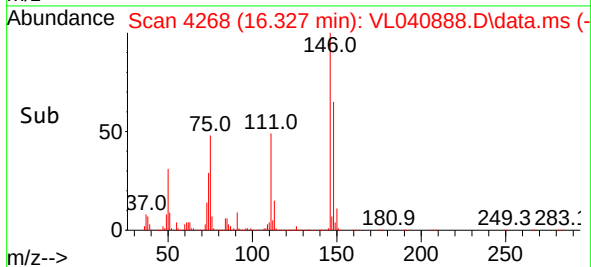
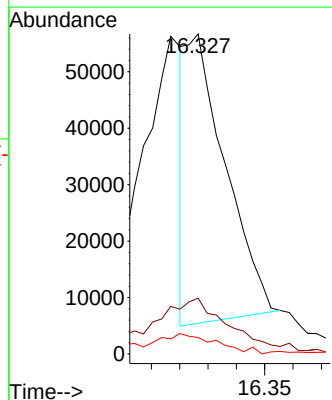
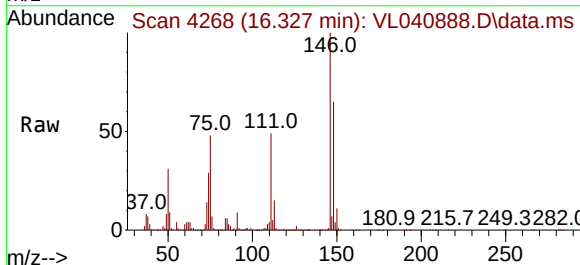
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

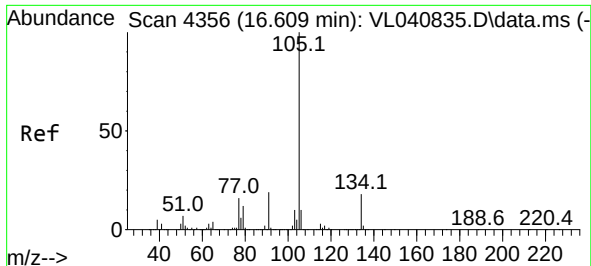
Tgt Ion:119 Resp: 3105567
Ion Ratio Lower Upper
119 100
91 86.2 67.5 101.3
134 19.6 15.9 23.9



#66
Benzyl Chloride
Concen: 4.548 ppbv
RT: 16.327 min Scan# 4268
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 91 Resp: 49364
Ion Ratio Lower Upper
91 100
126 42.2 12.8 19.2#
128 0.0 0.0 0.0





#67

sec-Butylbenzene

Concen: 10.486 ppbv

RT: 16.629 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_1

ClientSampleId :

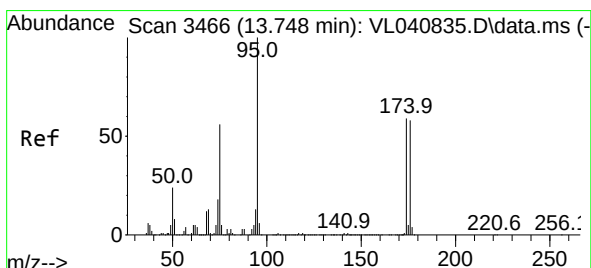
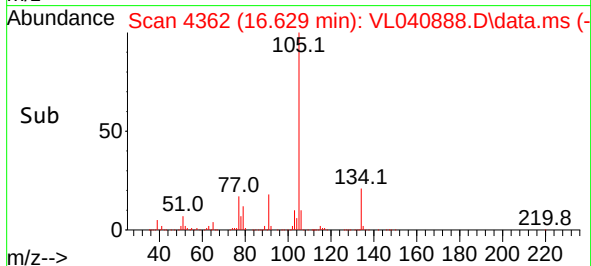
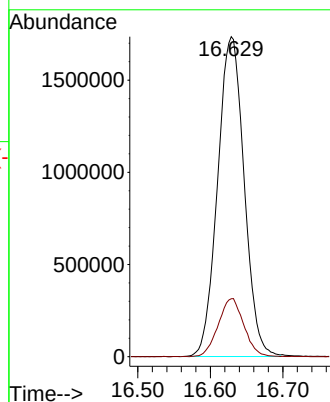
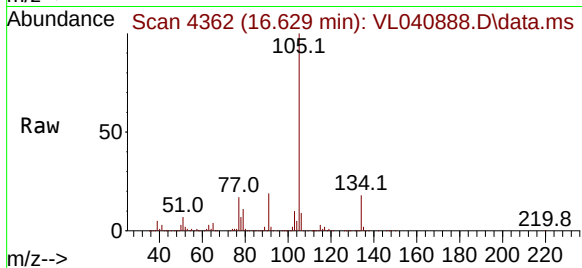
VSTDCCC010

Tgt Ion:105 Resp: 4412020

Ion Ratio Lower Upper

105 100

134 17.6 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.371 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

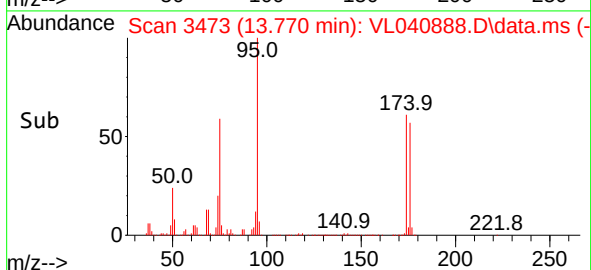
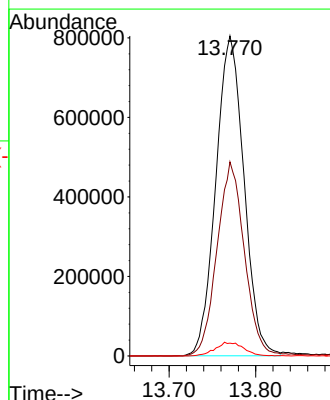
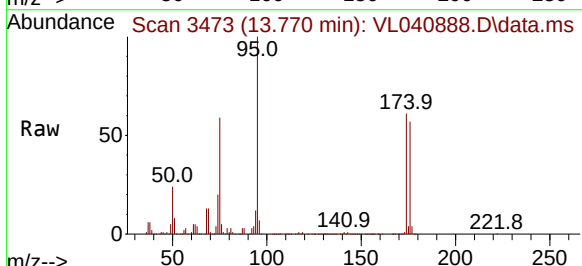
Tgt Ion: 95 Resp: 1815138

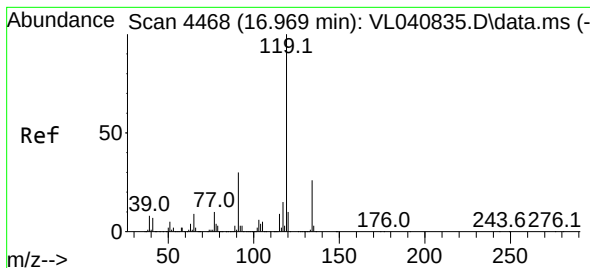
Ion Ratio Lower Upper

95 100

174 59.8 47.5 71.3

175 4.3 3.6 5.4





#69

p-Isopropyltoluene

Concen: 10.500 ppbv

RT: 16.986 min Scan# 4468

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

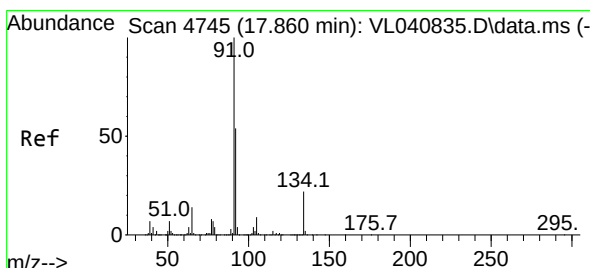
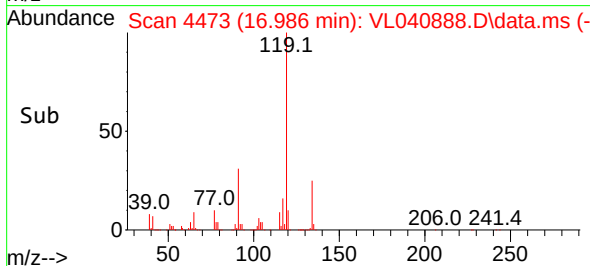
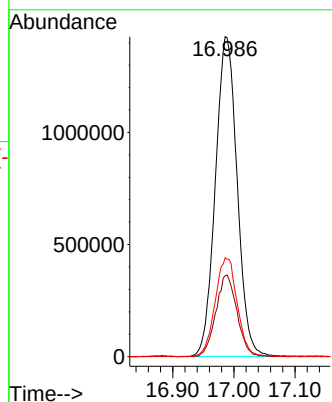
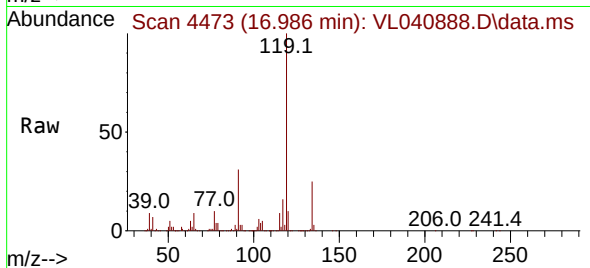
Tgt Ion:119 Resp: 3522914

Ion Ratio Lower Upper

119 100

134 24.9 20.5 30.7

91 31.6 24.7 37.1



#70

n-Butylbenzene

Concen: 10.625 ppbv

RT: 17.880 min Scan# 4751

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

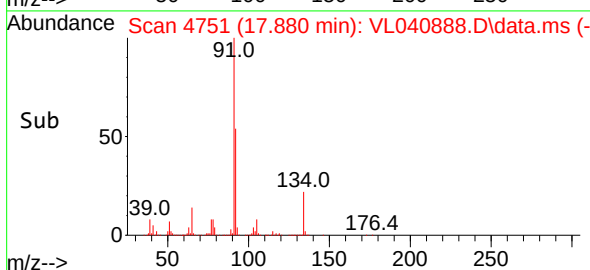
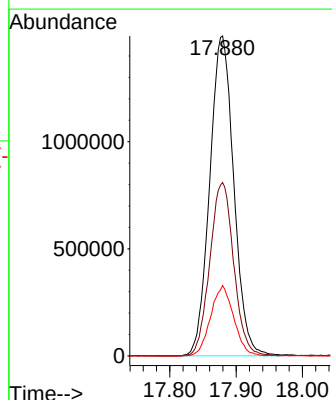
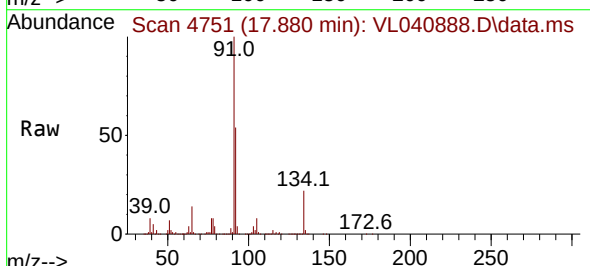
Tgt Ion: 91 Resp: 3764447

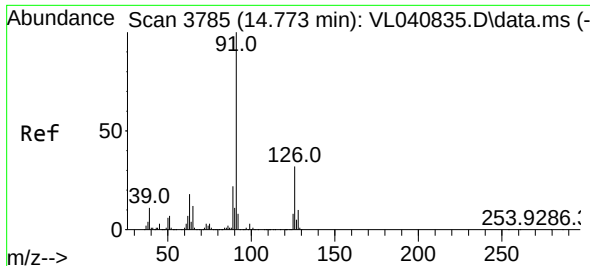
Ion Ratio Lower Upper

91 100

92 54.1 43.4 65.2

134 21.3 17.4 26.0

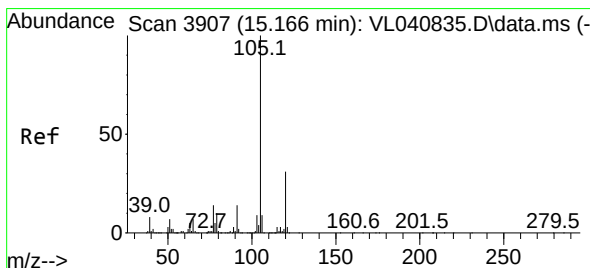
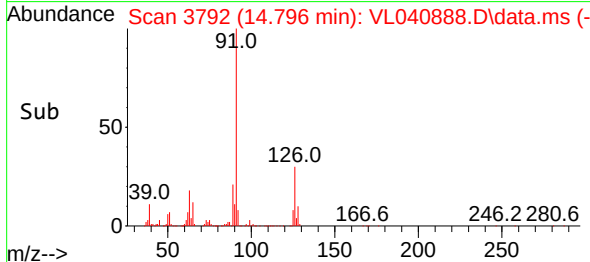
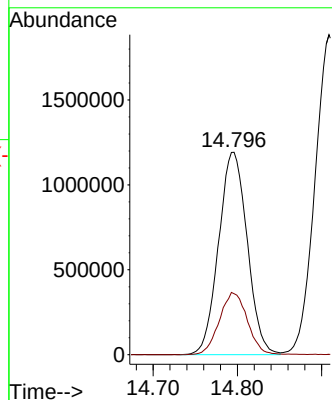
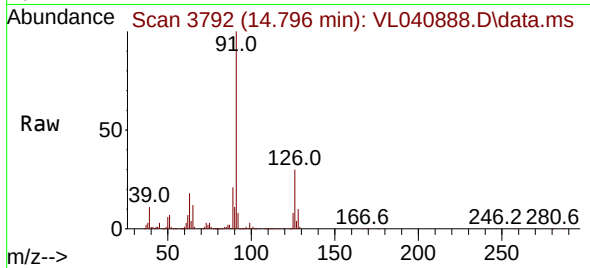




#71
2-Chlorotoluene
Concen: 10.558 ppbv
RT: 14.796 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

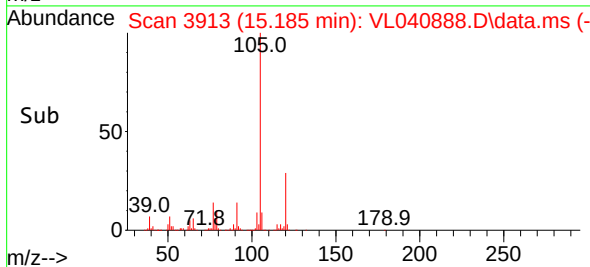
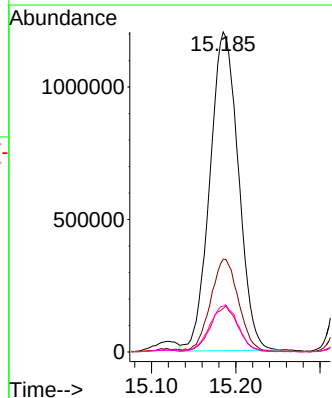
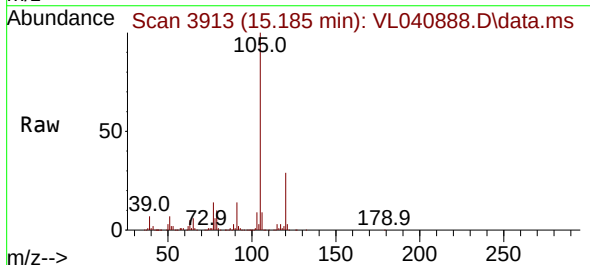
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

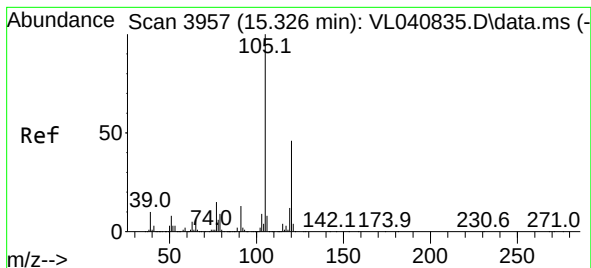
Tgt Ion: 91 Resp: 2811598
Ion Ratio Lower Upper
91 100
126 30.1 12.1 48.5



#72
4-Ethyltoluene
Concen: 10.885 ppbv
RT: 15.185 min Scan# 3913
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion: 105 Resp: 2829454
Ion Ratio Lower Upper
105 100
120 28.8 24.5 36.7
91 14.0 10.6 16.0
77 15.5 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 10.612 ppbv

RT: 15.343 min Scan# 3957

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_1

ClientSampleId :

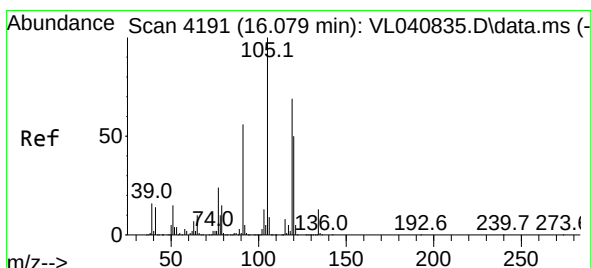
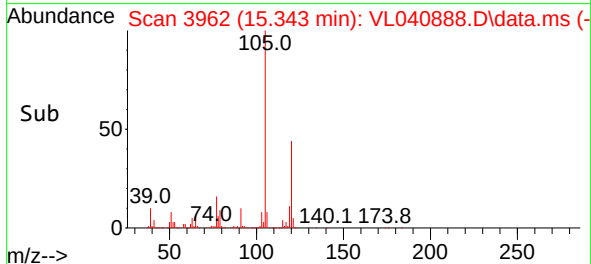
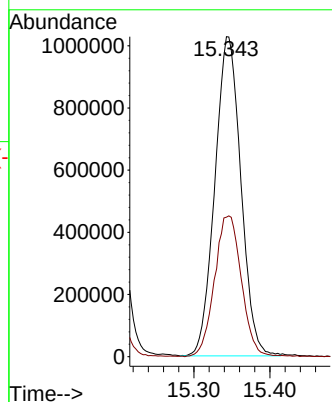
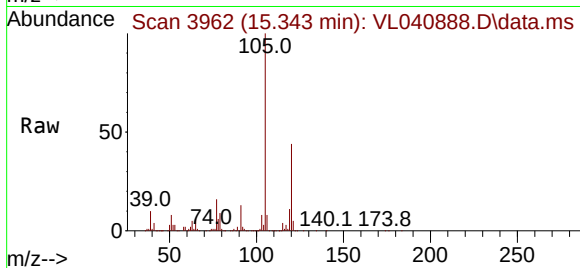
VSTDCCC010

Tgt Ion:105 Resp: 2439340

Ion Ratio Lower Upper

105 100

120 43.6 36.8 55.2



#74

1,2,4-Trimethylbenzene

Concen: 10.400 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Tgt Ion:105 Resp: 2668102

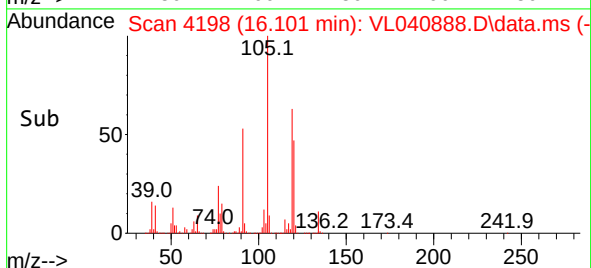
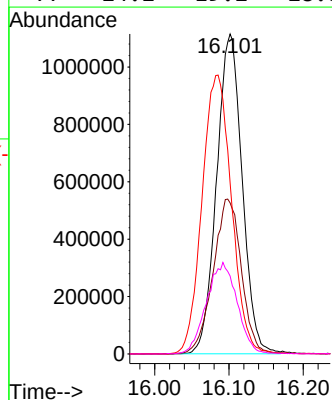
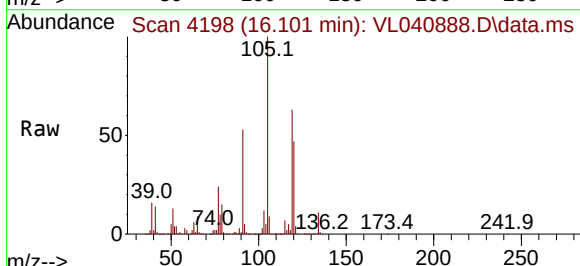
Ion Ratio Lower Upper

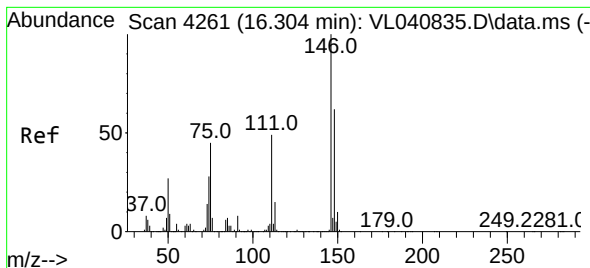
105 100

120 47.0 40.2 60.2

91 53.2 45.7 68.5

77 24.2 19.2 28.8





#75

1,3-Dichlorobenzene

Concen: 10.597 ppbv

RT: 16.323 min Scan# 4311

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

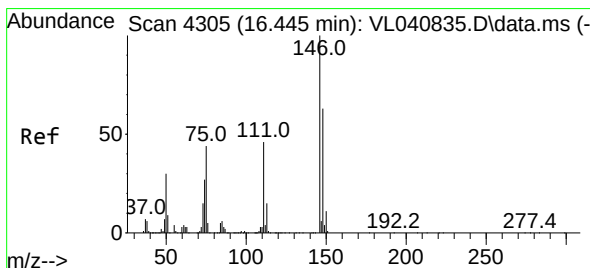
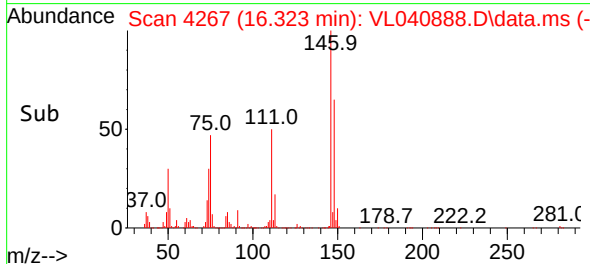
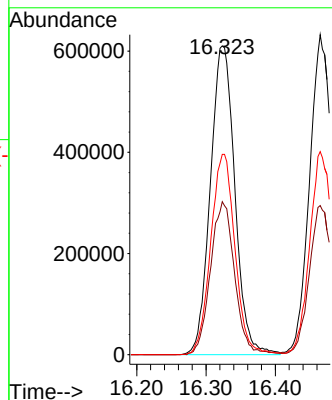
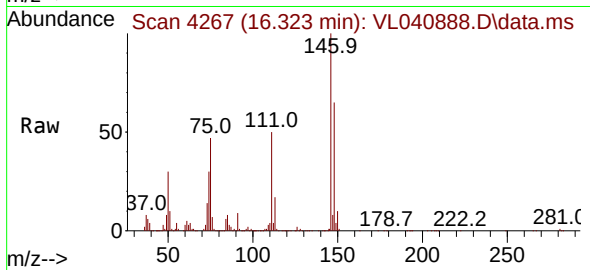
Tgt Ion:146 Resp: 1501039

Ion Ratio Lower Upper

146 100

111 48.8 24.9 74.8

148 64.4 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 10.781 ppbv

RT: 16.465 min Scan# 4311

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

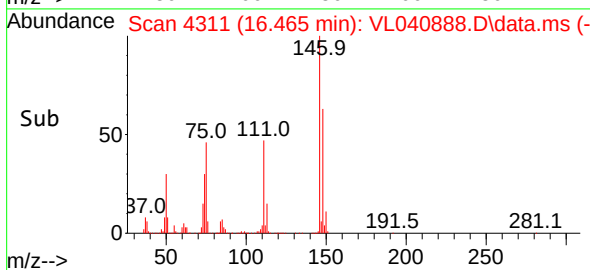
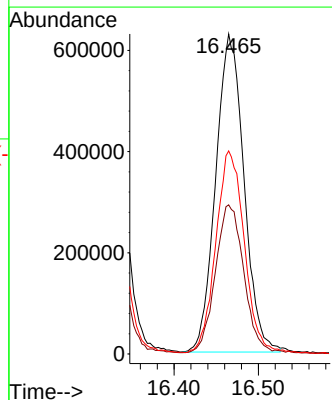
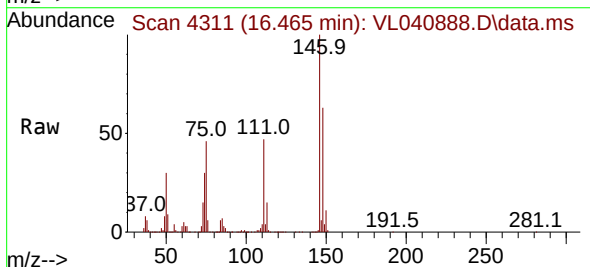
Tgt Ion:146 Resp: 1462102

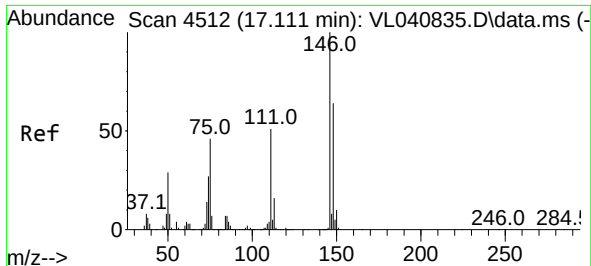
Ion Ratio Lower Upper

146 100

111 48.4 24.1 72.4

148 65.1 32.3 96.9

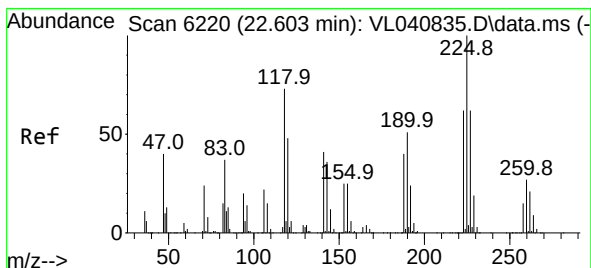
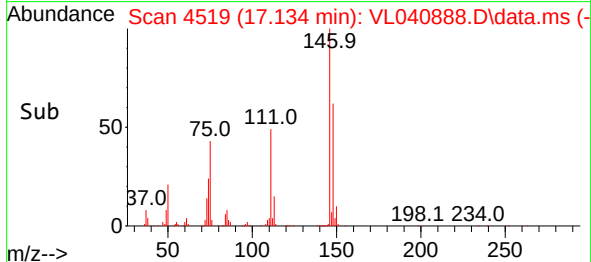
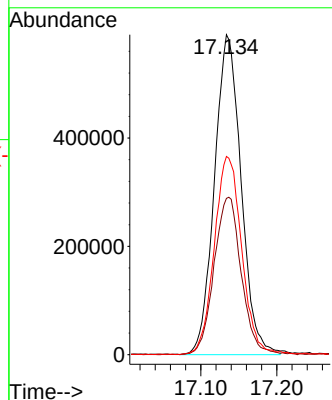
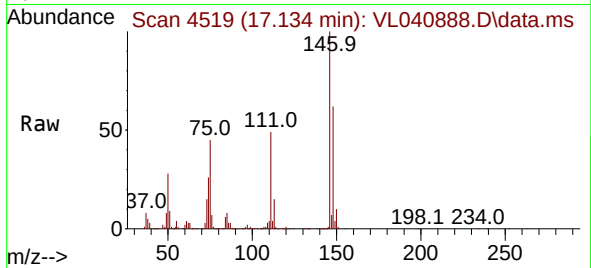




#77
1,2-Dichlorobenzene
Concen: 10.439 ppbv
RT: 17.134 min Scan# 4512
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

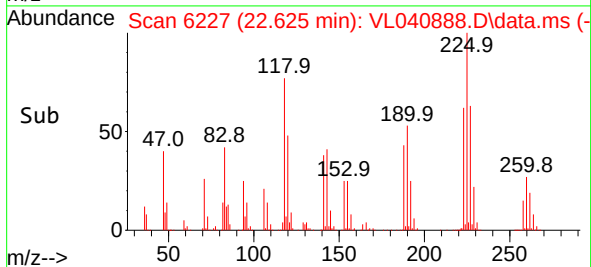
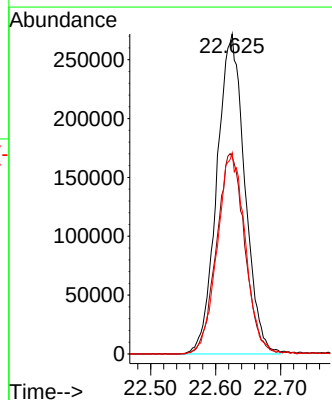
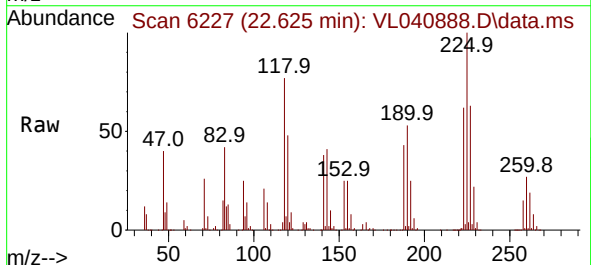
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

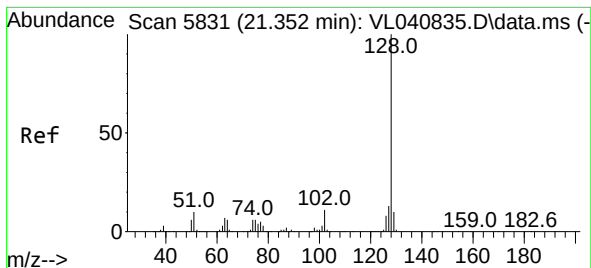
Tgt Ion:146 Resp: 1437741
Ion Ratio Lower Upper
146 100
111 50.3 25.7 77.1
148 64.3 32.3 96.9



#78
Hexachloro-1,3-Butadiene
Concen: 9.382 ppbv
RT: 22.625 min Scan# 6227
Delta R.T. 0.000 min
Lab File: VL040888.D
Acq: 17 Nov 2023 9:58

Tgt Ion:225 Resp: 809104
Ion Ratio Lower Upper
225 100
223 63.9 51.1 76.7
227 63.6 50.8 76.2





#79

Naphthalene

Concen: 13.204 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

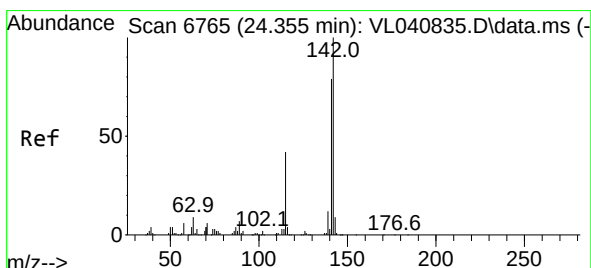
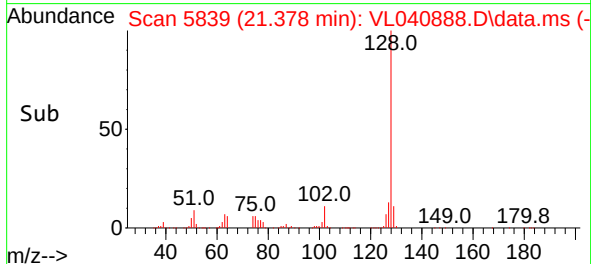
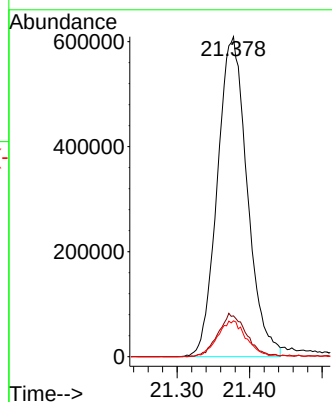
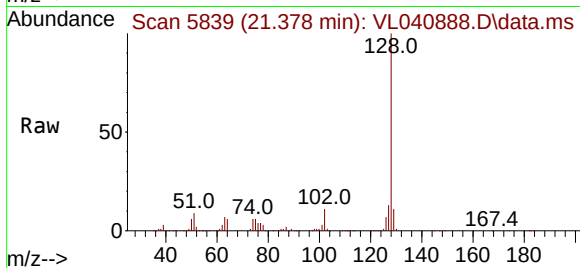
Tgt Ion:128 Resp: 1741003

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

129 11.2 8.3 12.5



#80

Naphthalene,2-methyl-

Concen: 11.352 ppbv

RT: 24.374 min Scan# 6771

Delta R.T. 0.000 min

Lab File: VL040888.D

Acq: 17 Nov 2023 9:58

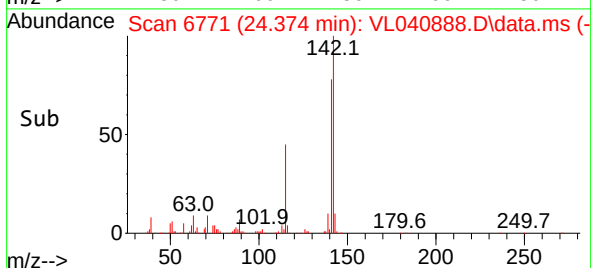
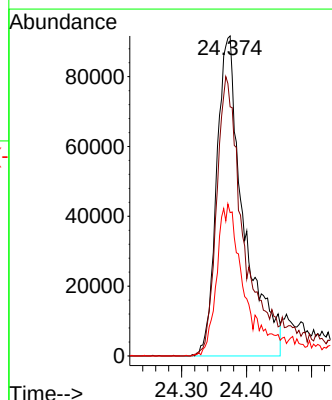
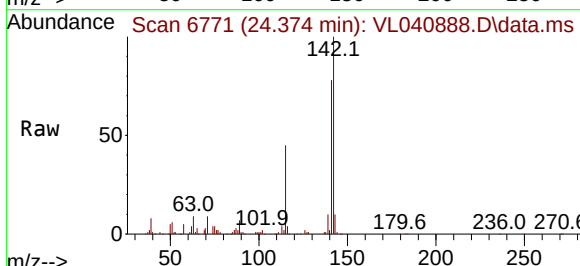
Tgt Ion:142 Resp: 264218

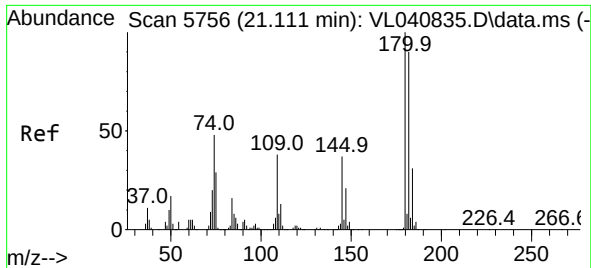
Ion Ratio Lower Upper

142 100

141 100.9 65.8 98.8#

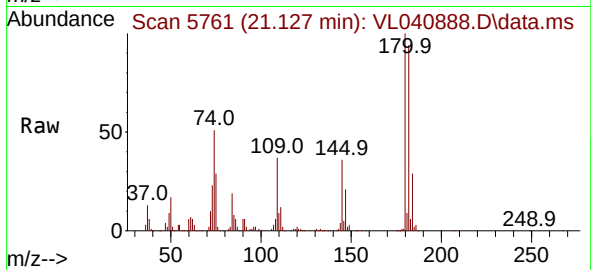
115 49.7 35.6 53.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.998 ppbv
 RT: 21.127 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL040888.D
 Acq: 17 Nov 2023 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 881600

Ion	Ratio	Lower	Upper
180	100		
182	99.1	77.6	116.4
184	31.0	24.2	36.2

