

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040337.D
 Acq On : 12 Apr 2023 12:39
 Operator : SY/MD
 Sample : VL0412ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

Quant Time: Apr 13 05:36:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1101056	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2759072	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	3137195	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	2108153	8.025	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	1364869	6.318	ppbv	98
3) Chlorodifluoromethane	2.661	51	1250648	9.033	ppbv	99
4) Chloromethane	2.800	50	789085	9.230	ppbv	100
5) Vinyl Chloride	2.909	62	682810	9.864	ppbv	96
6) Bromomethane	3.108	94	231030	9.624	ppbv	93
7) Chloroethane	3.189	64	256528	9.652	ppbv	95
8) Dichlorotetrafluoroethane	2.845	85	1685625	9.115	ppbv	99
9) Propene	2.681	41	525690	9.911	ppbv	94
10) Heptane	7.584	43	1246467	9.770	ppbv	99
11) Trichlorofluoromethane	3.555	101	1745972	8.920	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1241391	8.445	ppbv	98
13) Ethanol	3.237	45	29661	7.625	ppbv	99
14) Bromoethene	3.359	108	528485	9.638	ppbv	98
15) Acetone	3.459	43	1174849	8.765	ppbv	98
16) 1,3-Butadiene	2.973	39	602937	9.896	ppbv	99
17) tert-Butyl alcohol	3.867	59	1311608	10.295	ppbv	100
18) 1,1-Dichloroethene	3.873	96	570302	9.044	ppbv	98
19) Isopropyl Alcohol	3.565	45	611540	9.524	ppbv	98
20) Methylene Chloride	3.925	84	475582	8.433	ppbv	98
21) Allyl Chloride	3.989	41	814815	9.384	ppbv	97
22) trans-1,2-Dichloroethene	4.443	96	574669	8.954	ppbv	97
23) Vinyl Acetate	4.619	43	369498	9.908	ppbv #	93
24) 1,1-Dichloroethane	4.558	63	1165086	8.759	ppbv	99
25) Ethyl Acetate	5.201	43	2365248	9.425	ppbv	99
26) Hexane	5.211	57	1005304	9.759	ppbv	96
27) Carbon Disulfide	4.118	76	1385949	9.633	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	1077105	9.106	ppbv	99
29) Chloroform	5.272	83	1725421	9.486	ppbv	97
30) Cyclohexane	6.606	84	841322	10.364	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	1031769	10.285	ppbv	94
32) 1,1,1-Trichloroethane	6.005	97	1749306	10.038	ppbv	99
34) 2-Butanone	4.780	43	1301252	9.556	ppbv	99
35) Carbon Tetrachloride	6.497	117	1786719	10.319	ppbv	98
36) Benzene	6.372	78	2095440	9.966	ppbv	98
37) 1,2-Dichloroethane	5.806	62	1335777	9.761	ppbv	100
38) Trichloroethene	7.298	130	1243677	10.824	ppbv	99
39) 1,2-Dichloropropane	7.079	63	809395	9.812	ppbv	97
40) 1,4-Dioxane	7.291	88	285837	8.758	ppbv #	1
41) Tetrahydrofuran	5.555	42	784728	9.985	ppbv	99
42) Bromodichloromethane	7.253	83	1862686	9.960	ppbv	99
43) Methyl Methacrylate	7.478	69	827593	10.591	ppbv	98
44) 2,2,4-Trimethylpentane	7.333	57	3493883	9.966	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	778174	11.424	ppbv	97

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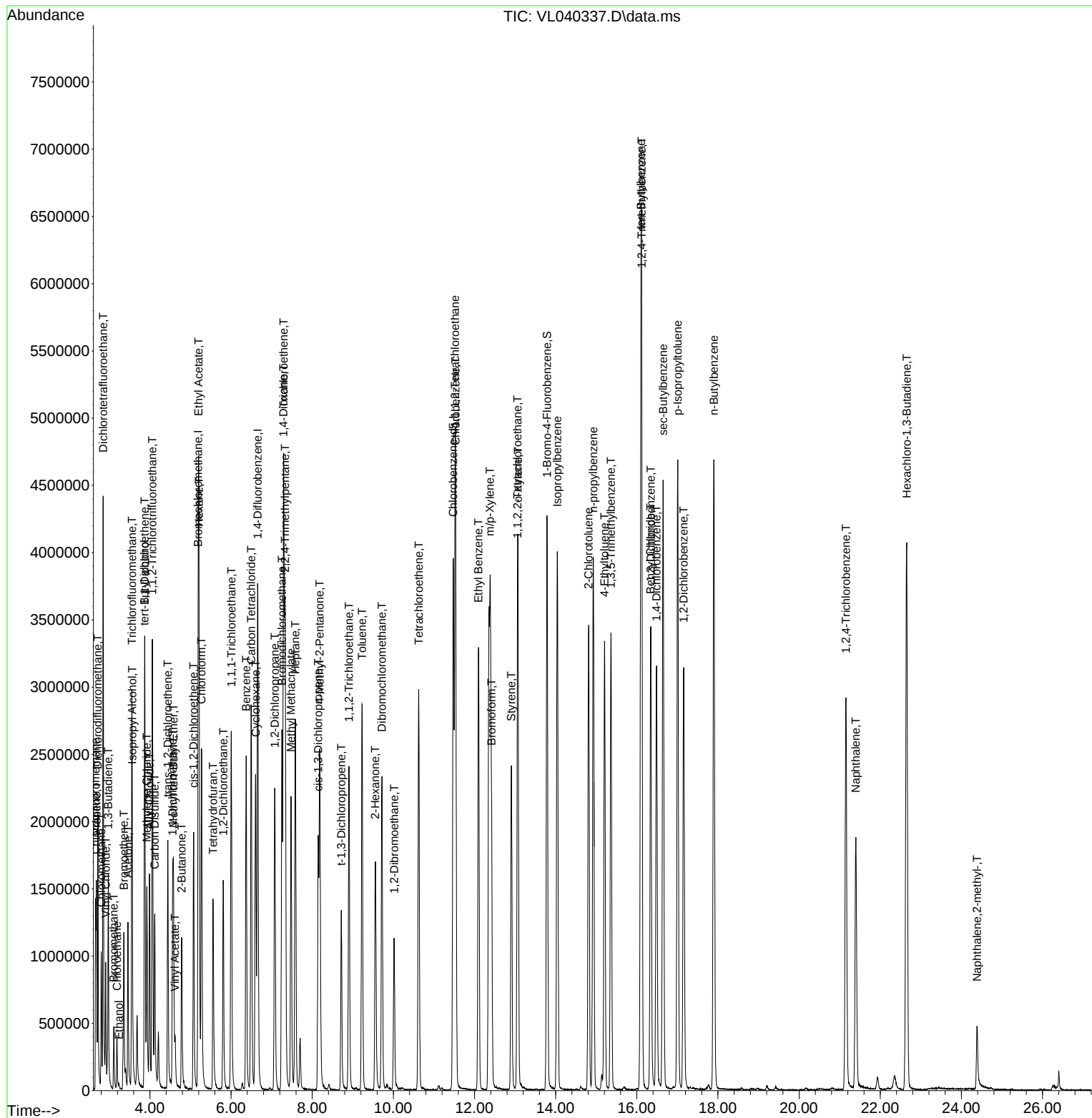
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1080529	11.171	ppbv	99
47) 1,1,2-Trichloroethane	8.905	97	850142	9.659	ppbv	97
48) Dibromochloromethane	9.719	129	1423540	9.828	ppbv	99
49) Bromoform	12.420	173	1066663	9.805	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2074146	9.843	ppbv	99
51) 2-Hexanone	9.555	43	1537541	9.419	ppbv	99
52) Tetrachloroethene	10.626	164	671076	10.549	ppbv	98
53) Toluene	9.227	91	2311804	10.492	ppbv	98
54) 1,2-Dibromoethane	10.018	107	918917	10.142	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.519	131	1019940	7.728	ppbv	98
57) Chlorobenzene	11.536	112	1711697	7.670	ppbv	100
58) Ethyl Benzene	12.098	91	3074025	8.605	ppbv	97
59) m/p-Xylene	12.381	91	3090727	9.445	ppbv #	50
60) o-Xylene	13.069	91	2529955	8.087	ppbv	100
61) Styrene	12.908	104	1440482	9.074	ppbv	99
62) Isopropylbenzene	14.040	105	3573949	8.023	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	797093	7.241	ppbv	100
64) n-propylbenzene	14.928	120	899263	8.249	ppbv	100
65) tert-Butylbenzene	16.101	119	3126828	8.145	ppbv	99
66) Benzyl Chloride	16.339	91	209186	8.384	ppbv	99
67) sec-Butylbenzene	16.648	105	4538895	8.267	ppbv	99
69) p-Isopropyltoluene	17.008	119	3731704	8.728	ppbv	100
70) n-Butylbenzene	17.899	91	4193476	8.902	ppbv	100
71) 2-Chlorotoluene	14.809	91	2754122	8.123	ppbv	100
72) 4-Ethyltoluene	15.204	105	2925196	8.553	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	2643855	8.534	ppbv	98
74) 1,2,4-Trimethylbenzene	16.121	105	2914426	8.249	ppbv	97
75) 1,3-Dichlorobenzene	16.342	146	1610485	8.416	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1576428	8.638	ppbv	100
77) 1,2-Dichlorobenzene	17.156	146	1598246	8.690	ppbv	100
78) Hexachloro-1,3-Butadiene	22.651	225	1112710	8.249	ppbv	100
79) Naphthalene	21.400	128	2324205	11.120	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	390455	7.376	ppbv	97
81) 1,2,4-Trichlorobenzene	21.156	180	1227810	9.538	ppbv	98

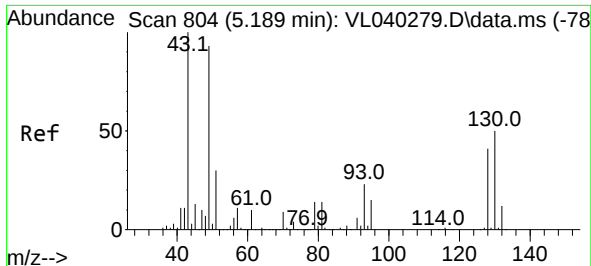
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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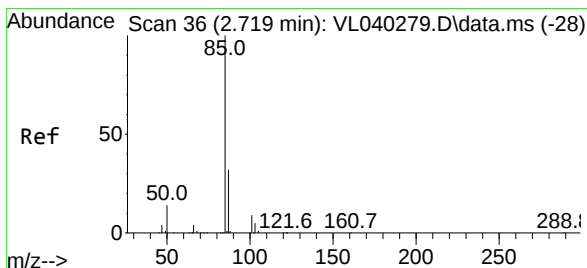
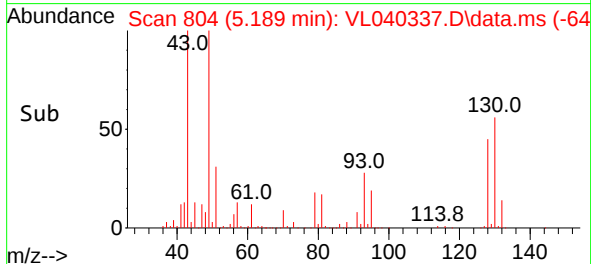
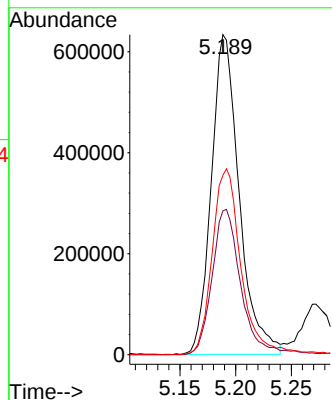
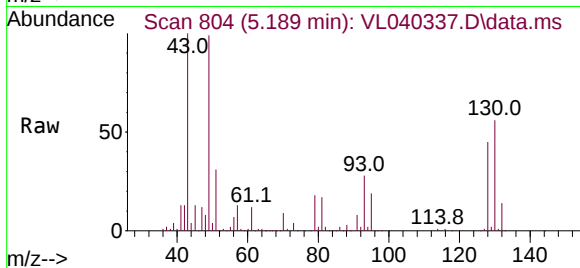




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.189 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL040337.D
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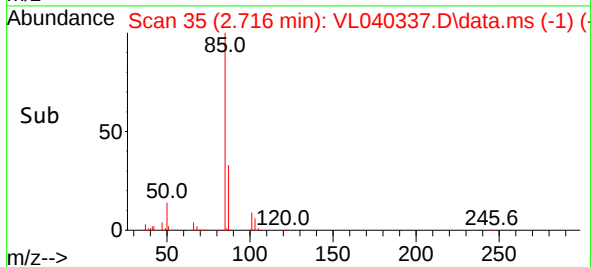
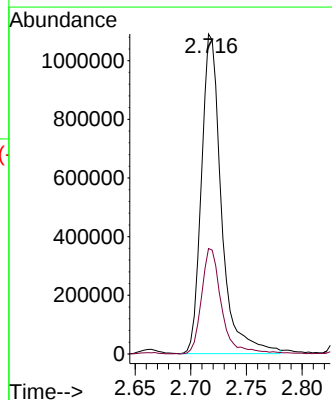
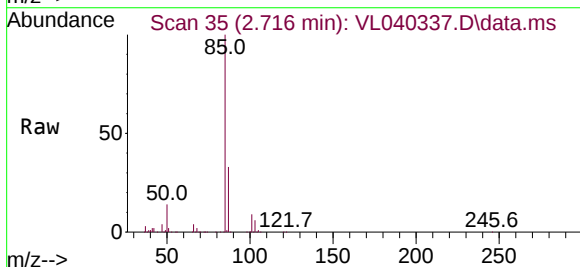
Instrument :
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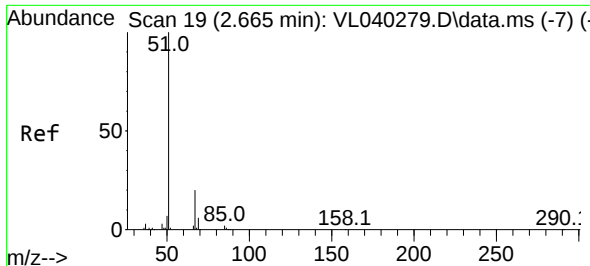
Tgt Ion: 49 Resp: 1101056
 Ion Ratio Lower Upper
 49 100
 128 47.7 22.4 67.3
 130 61.3 28.7 86.1



#2
 Dichlorodifluoromethane
 Concen: 6.318 ppbv
 RT: 2.716 min Scan# 35
 Delta R.T. -0.003 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

Tgt Ion: 85 Resp: 1364869
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.5 38.3

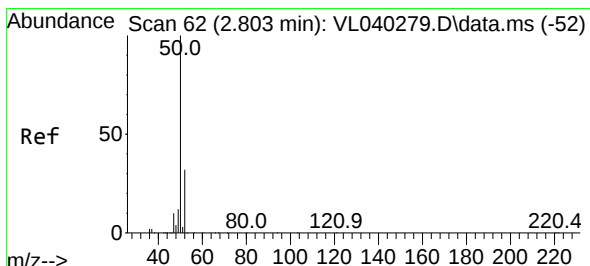
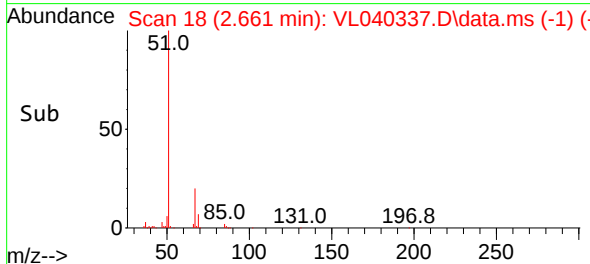
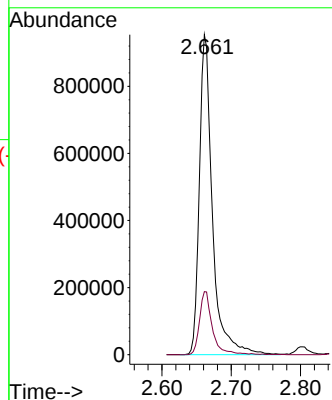
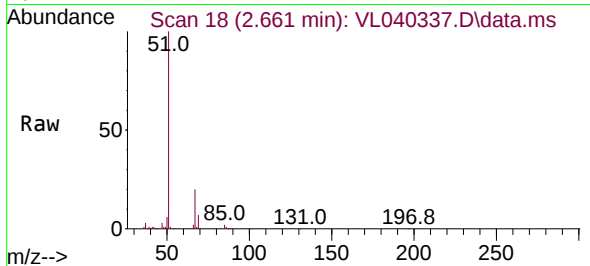




#3
Chlorodifluoromethane
Concen: 9.033 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.004 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

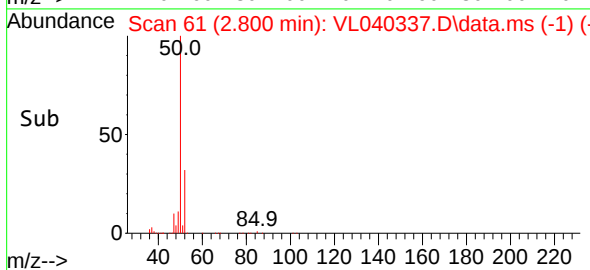
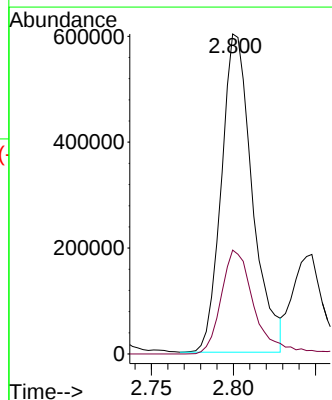
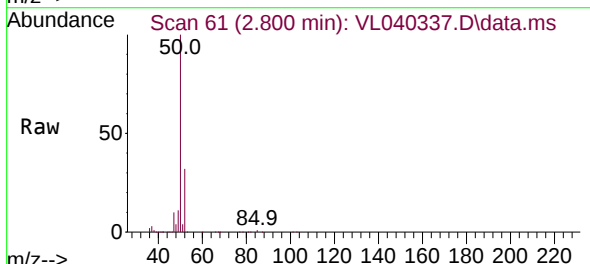
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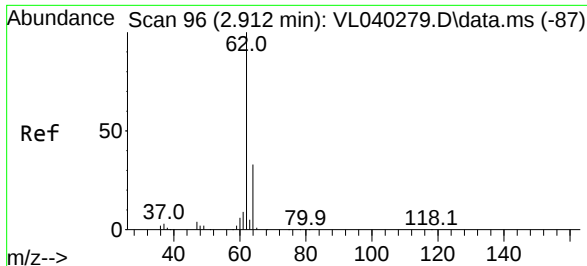
Tgt Ion: 51 Resp: 1250648
Ion Ratio Lower Upper
51 100
67 19.5 16.0 24.0



#4
Chloromethane
Concen: 9.230 ppbv
RT: 2.800 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 50 Resp: 789085
Ion Ratio Lower Upper
50 100
52 32.6 25.9 38.9

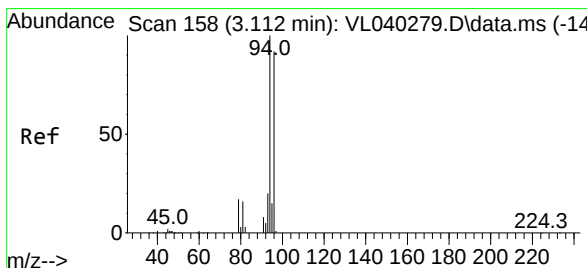
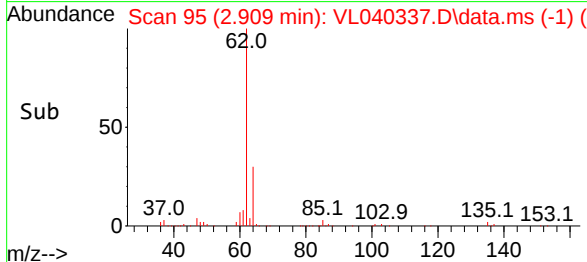
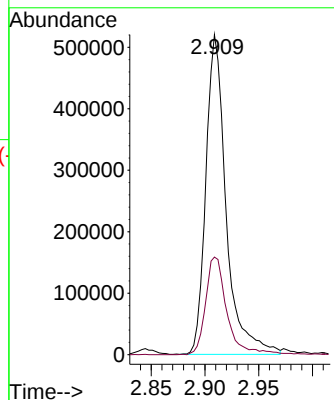
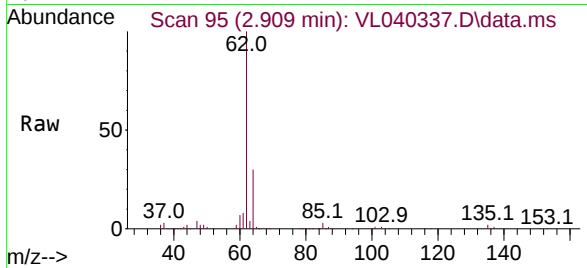




#5
 Vinyl Chloride
 Concen: 9.864 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

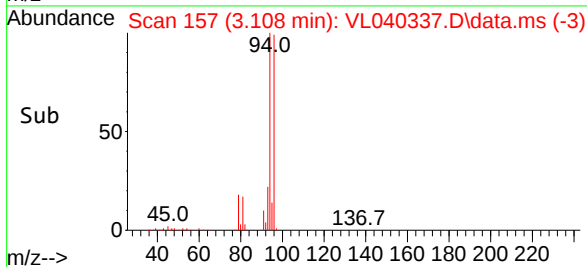
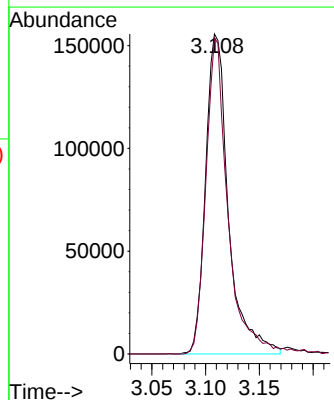
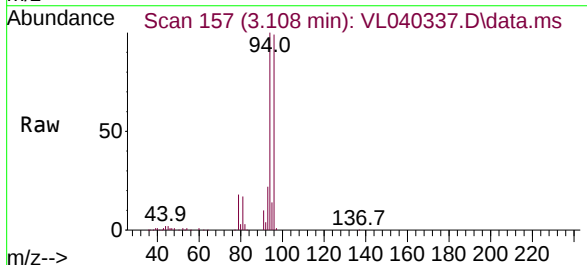
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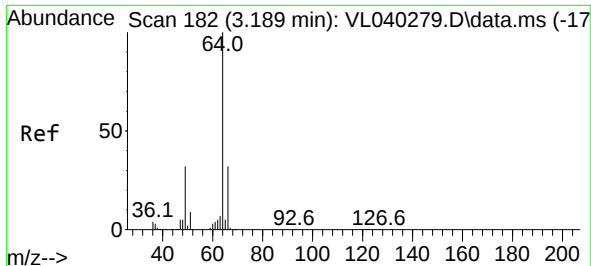
Tgt Ion: 62 Resp: 682810
 Ion Ratio Lower Upper
 62 100
 64 30.5 26.4 39.6



#6
 Bromomethane
 Concen: 9.624 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. -0.004 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

Tgt Ion: 94 Resp: 231030
 Ion Ratio Lower Upper
 94 100
 96 98.8 73.7 110.5

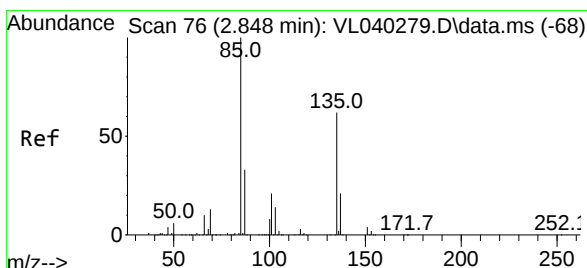
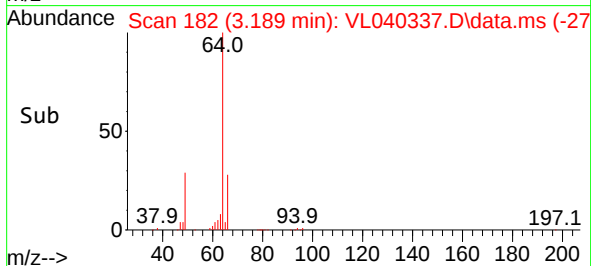
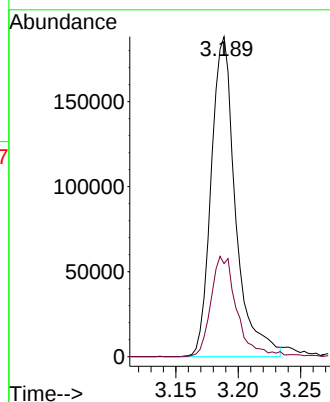
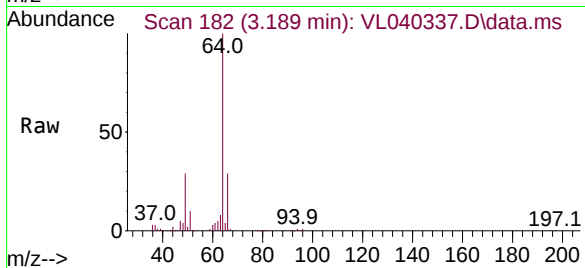




#7
Chloroethane
Concen: 9.652 ppbv
RT: 3.189 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

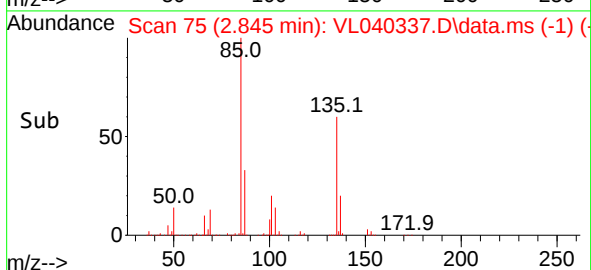
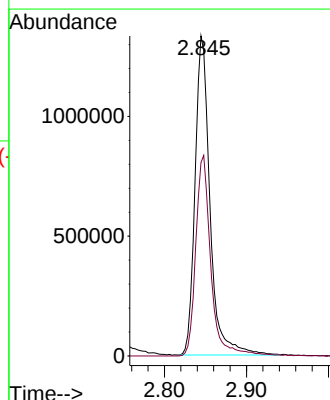
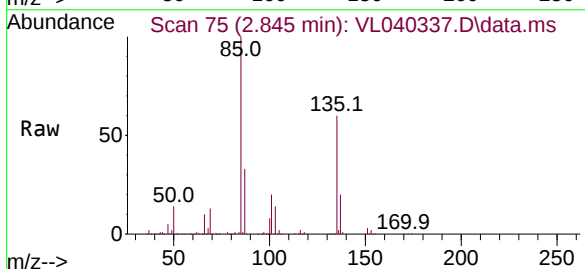
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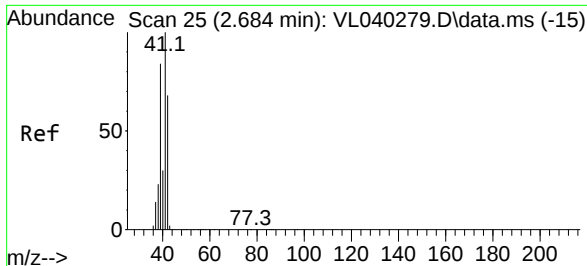
Tgt Ion: 64 Resp: 256528
Ion Ratio Lower Upper
64 100
66 29.1 25.5 38.3



#8
Dichlorotetrafluoroethane
Concen: 9.115 ppbv
RT: 2.845 min Scan# 75
Delta R.T. -0.003 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 85 Resp: 1685625
Ion Ratio Lower Upper
85 100
135 63.8 52.0 78.0

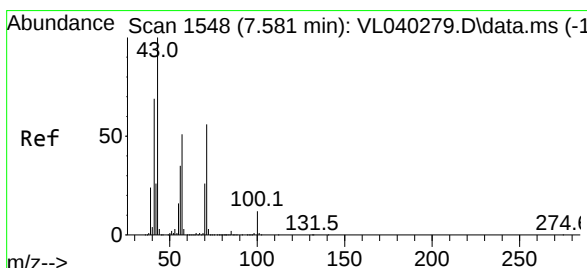
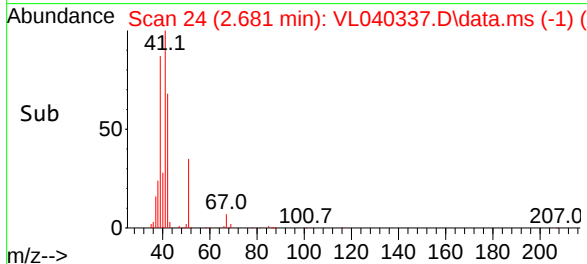
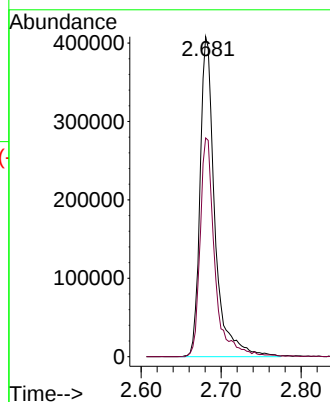
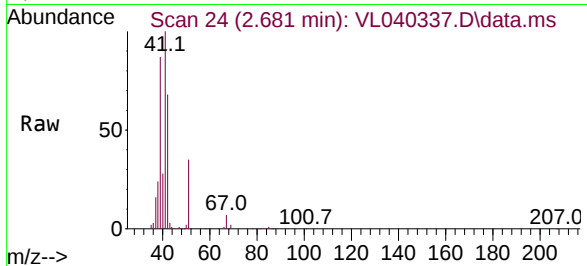




#9
 Propene
 Concen: 9.911 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. -0.003 min
 Lab File: VL040337.D
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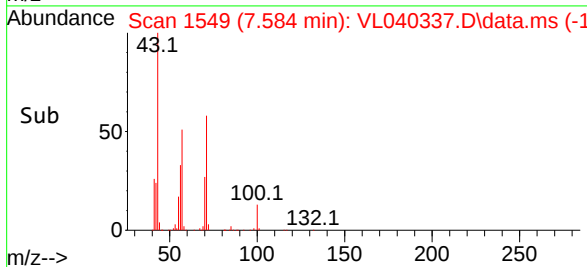
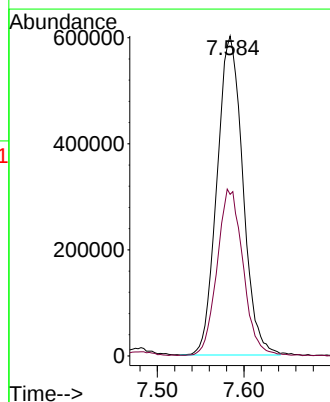
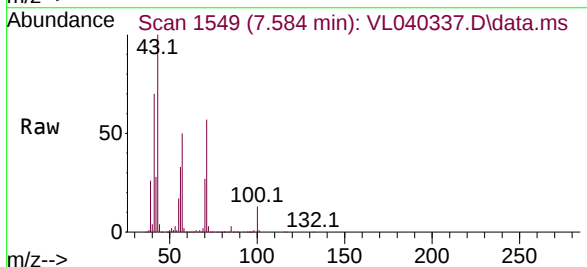
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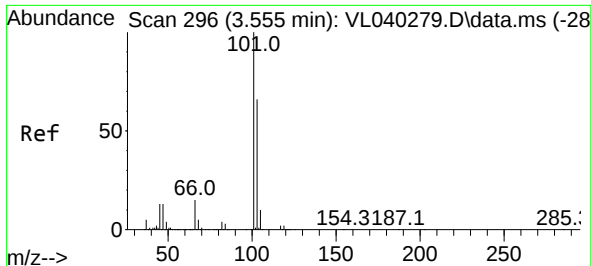
Tgt Ion: 41 Resp: 525690
 Ion Ratio Lower Upper
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 42 68.7 59.0 88.4



#10
 Heptane
 Concen: 9.770 ppbv
 RT: 7.584 min Scan# 1549
 Delta R.T. 0.003 min
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Tgt Ion: 43 Resp: 1246467
 Ion Ratio Lower Upper
 43 100
 57 52.9 41.7 62.5

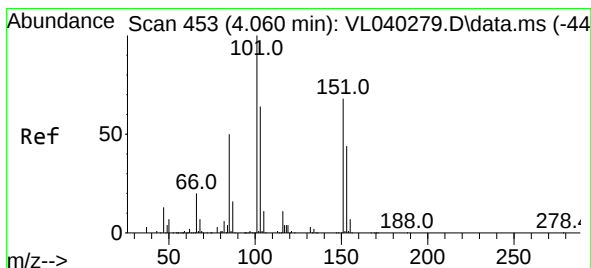
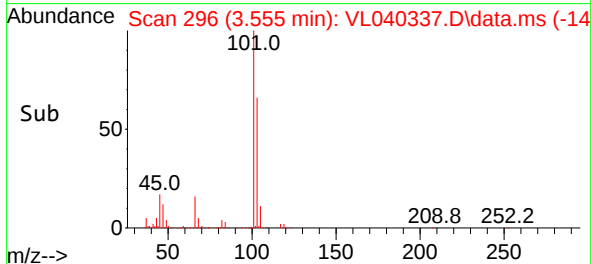
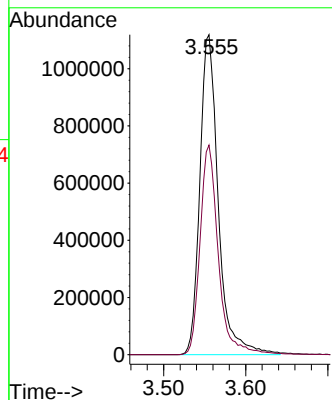
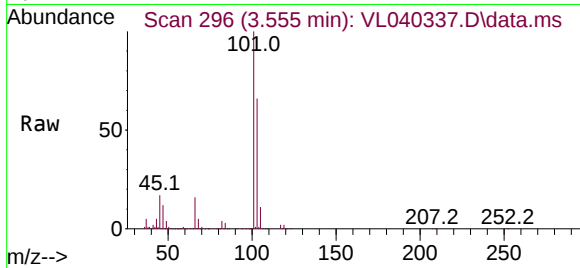




#11
 Trichlorofluoromethane
 Concen: 8.920 ppbv
 RT: 3.555 min Scan# 296
 Delta R.T. 0.000 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

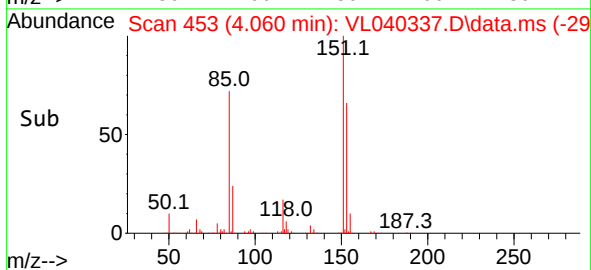
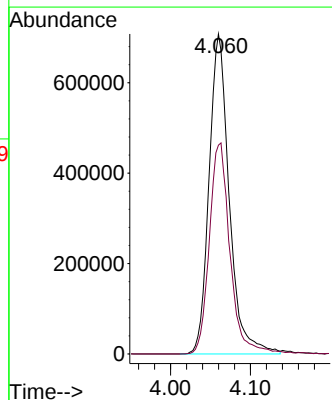
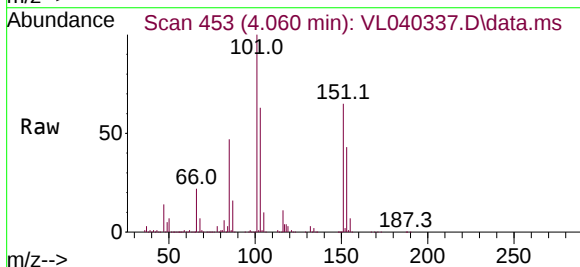
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

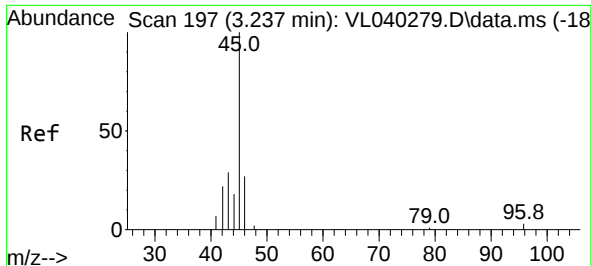
Tgt Ion:101 Resp: 1745972
 Ion Ratio Lower Upper
 101 100
 103 65.5 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.445 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. -0.000 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

Tgt Ion:101 Resp: 1241391
 Ion Ratio Lower Upper
 101 100
 151 68.0 53.2 79.8

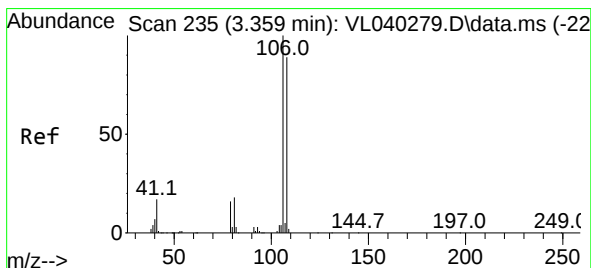
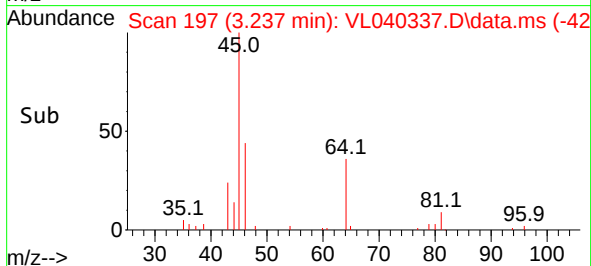
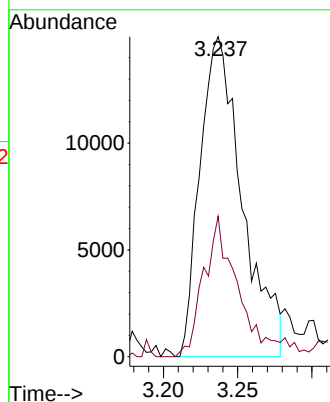
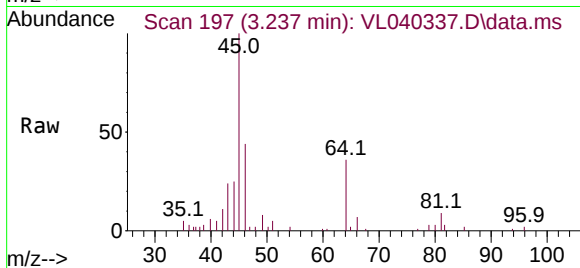




#13
Ethanol
Concen: 7.625 ppbv
RT: 3.237 min Scan# 197
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

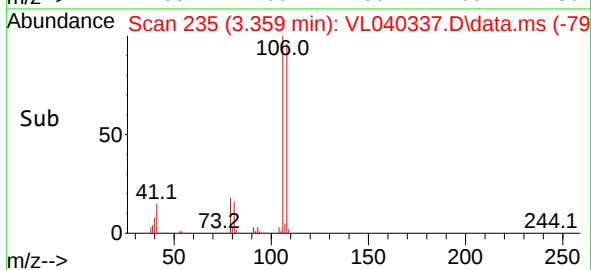
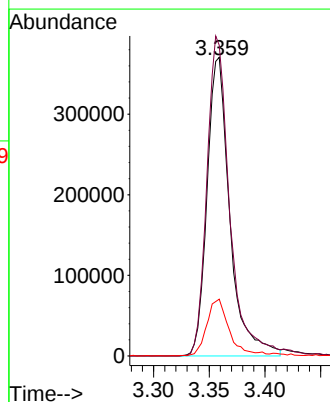
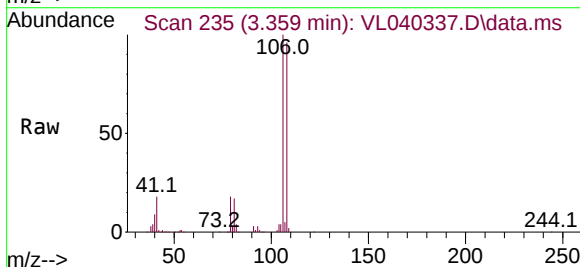
Instrument :
MSVOA_1
ClientSampleId :
VL0412ABS01

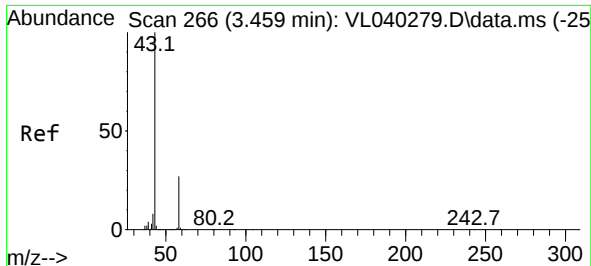
Tgt Ion: 45 Resp: 29661
Ion Ratio Lower Upper
45 100
46 38.5 15.0 60.2



#14
Bromoethene
Concen: 9.638 ppbv
RT: 3.359 min Scan# 235
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 108 Resp: 528485
Ion Ratio Lower Upper
108 100
106 109.5 85.8 128.8
79 19.6 15.8 23.6

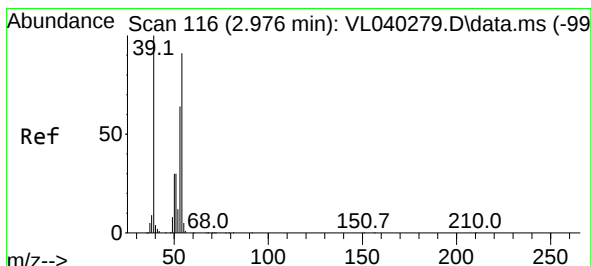
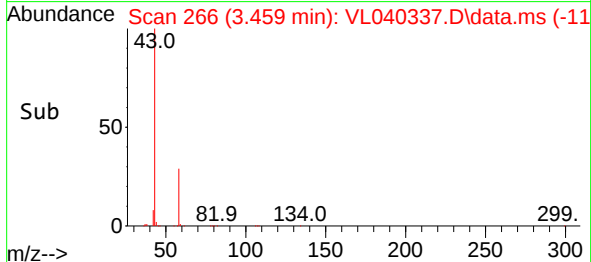
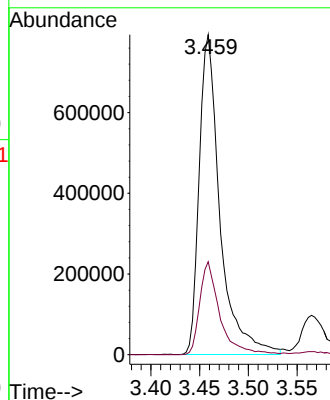
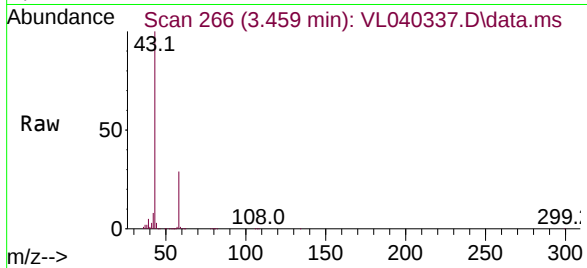




#15
Acetone
Concen: 8.765 ppbv
RT: 3.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

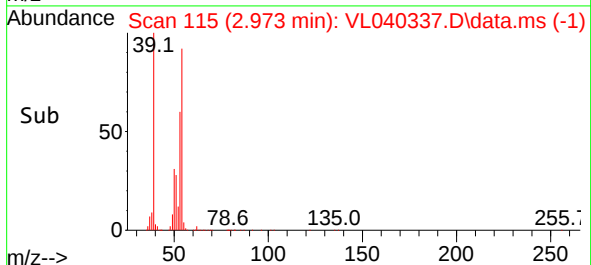
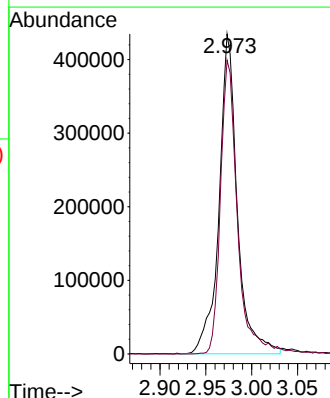
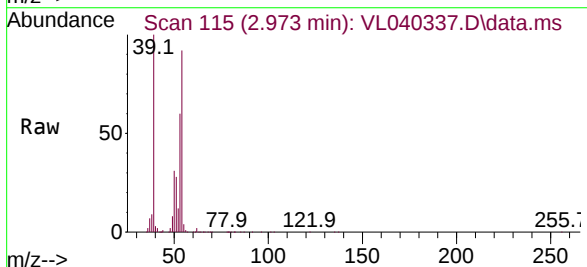
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

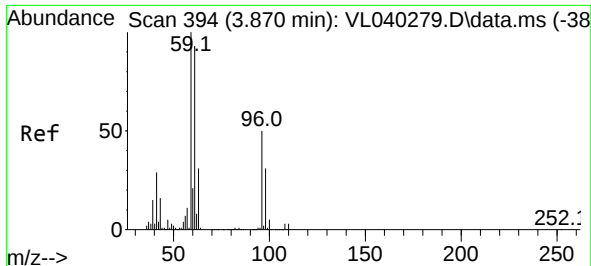
Tgt Ion: 43 Resp: 1174849
Ion Ratio Lower Upper
43 100
58 28.2 21.8 32.8



#16
1,3-Butadiene
Concen: 9.896 ppbv
RT: 2.973 min Scan# 115
Delta R.T. -0.003 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 39 Resp: 602937
Ion Ratio Lower Upper
39 100
54 86.1 68.4 102.6





#17

tert-Butyl alcohol

Concen: 10.295 ppbv

RT: 3.867 min Scan# 393

Delta R.T. -0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

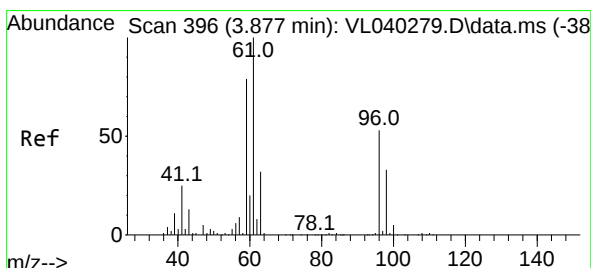
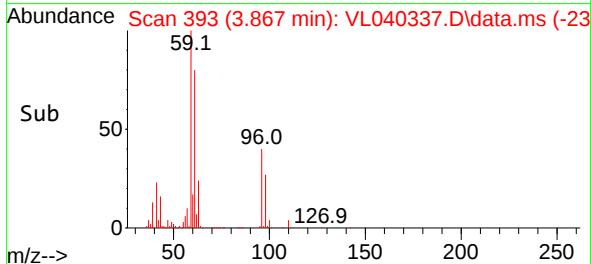
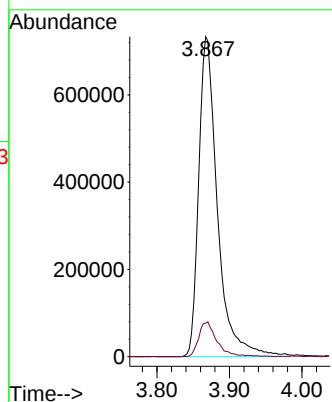
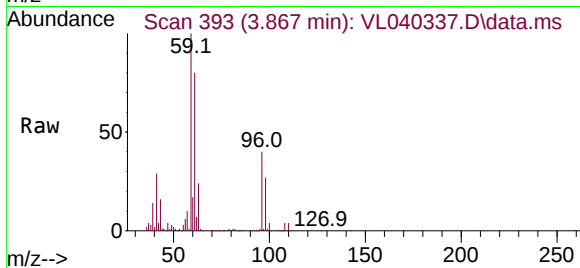
VL0412ABS01

Tgt Ion: 59 Resp: 1311608

Ion Ratio Lower Upper

59 100

57 10.8 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.044 ppbv

RT: 3.873 min Scan# 395

Delta R.T. -0.004 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

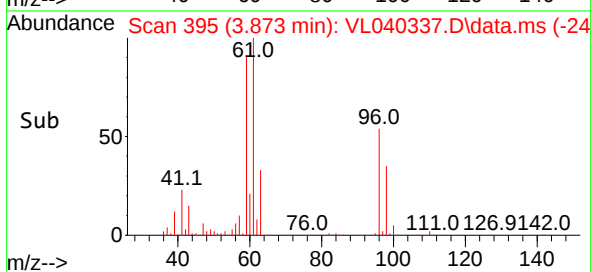
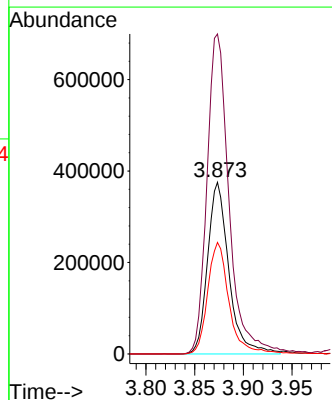
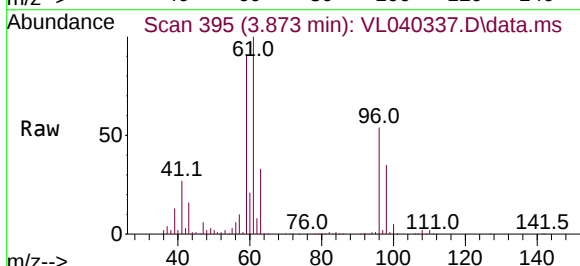
Tgt Ion: 96 Resp: 570302

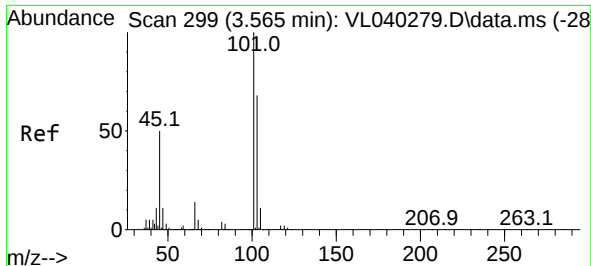
Ion Ratio Lower Upper

96 100

61 186.4 150.6 226.0

98 65.0 50.3 75.5

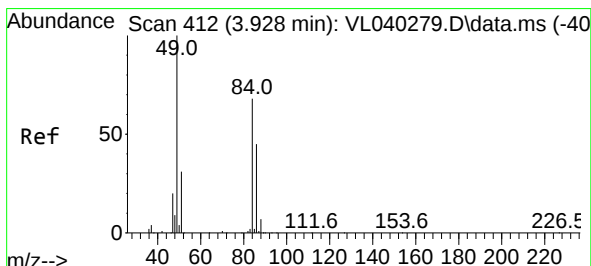
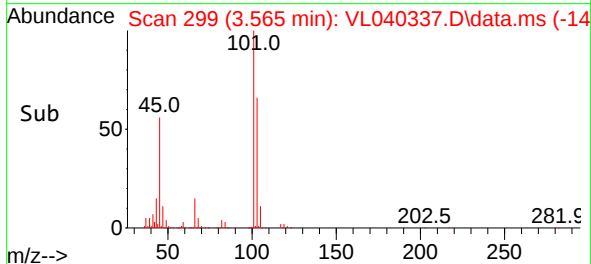
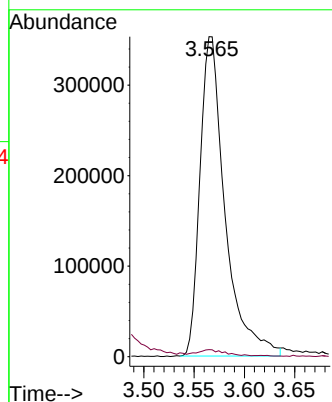
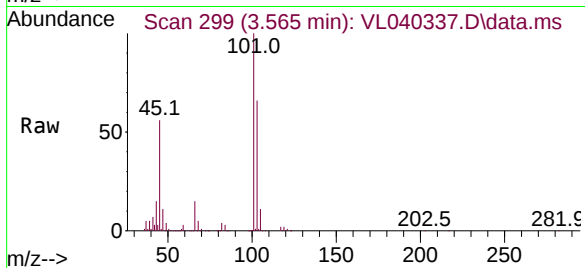




#19
Isopropyl Alcohol
Concen: 9.524 ppbv
RT: 3.565 min Scan# 299
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

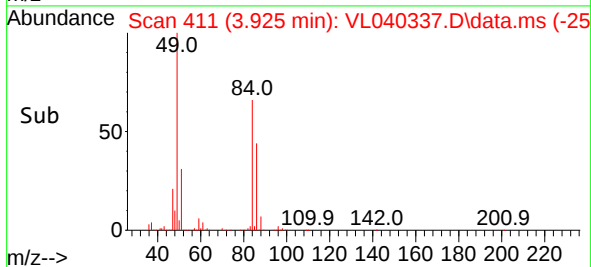
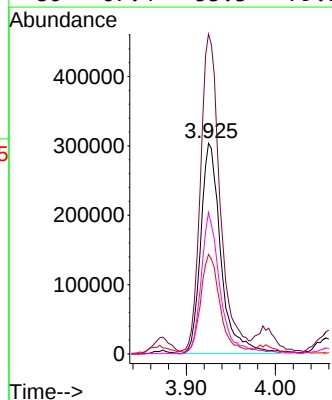
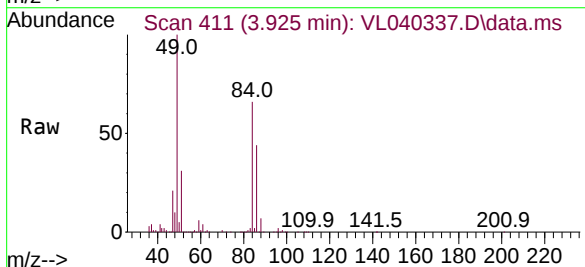
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

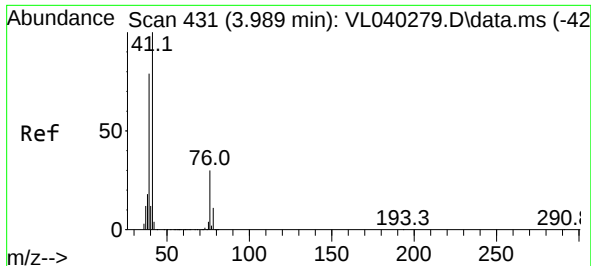
Tgt Ion: 45 Resp: 611540
Ion Ratio Lower Upper
45 100
58 2.9 2.7 4.1



#20
Methylene Chloride
Concen: 8.433 ppbv
RT: 3.925 min Scan# 411
Delta R.T. -0.003 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 84 Resp: 475582
Ion Ratio Lower Upper
84 100
49 151.0 117.5 176.3
51 46.2 36.9 55.3
86 67.4 53.3 79.9

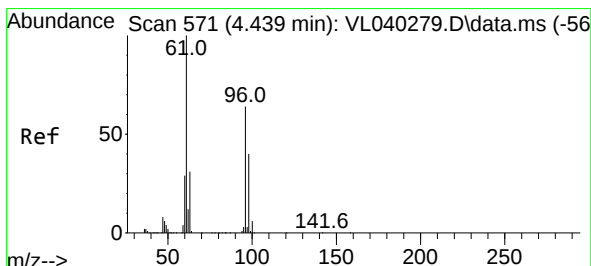
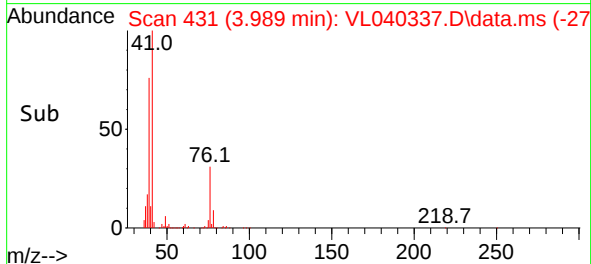
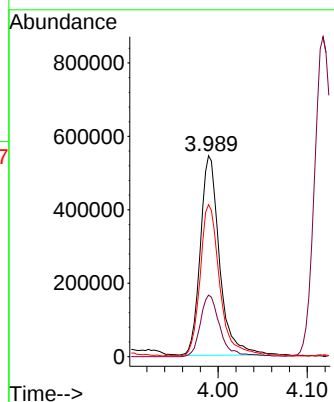
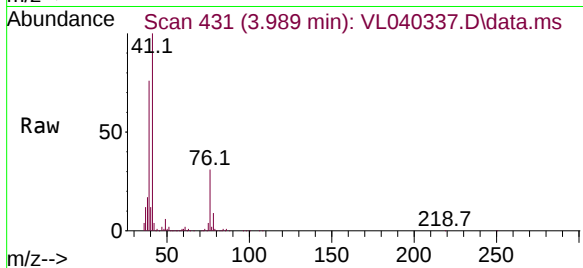




#21
 Allyl Chloride
 Concen: 9.384 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

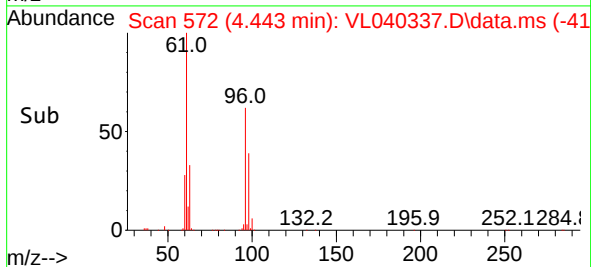
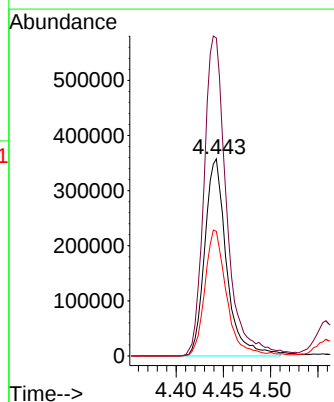
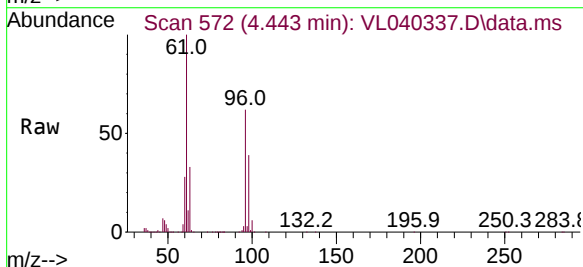
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

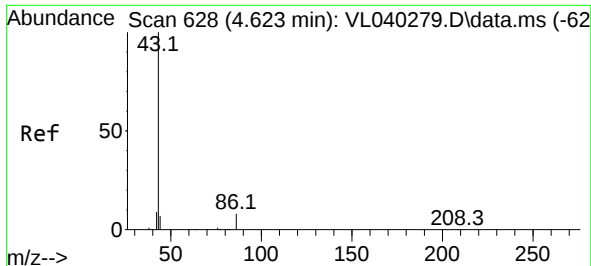
Tgt Ion: 41 Resp: 814815
 Ion Ratio Lower Upper
 41 100
 76 32.0 25.4 38.0
 39 78.3 65.4 98.2



#22
 trans-1,2-Dichloroethene
 Concen: 8.954 ppbv
 RT: 4.443 min Scan# 572
 Delta R.T. 0.004 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

Tgt Ion: 96 Resp: 574669
 Ion Ratio Lower Upper
 96 100
 61 161.2 125.4 188.2
 98 63.3 49.8 74.6

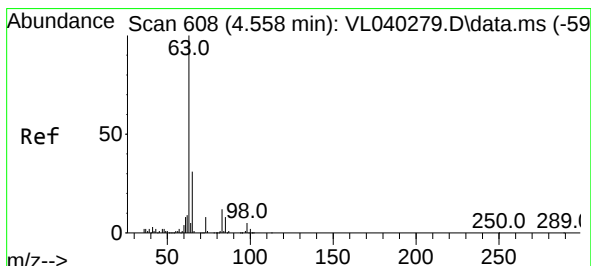
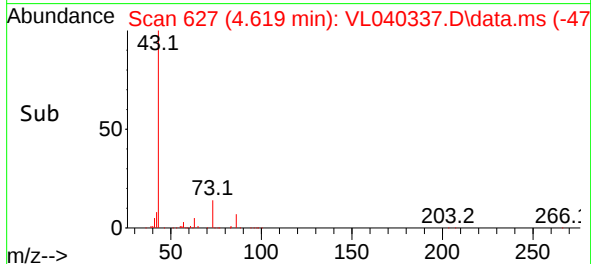
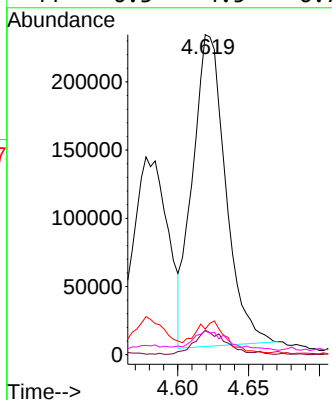
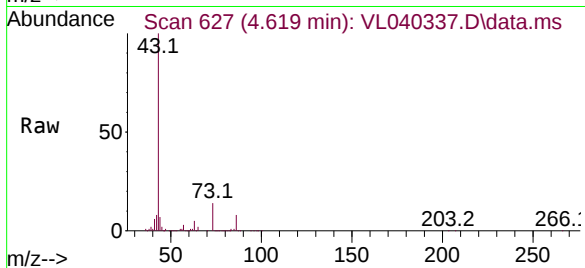




#23
 Vinyl Acetate
 Concen: 9.908 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. -0.004 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

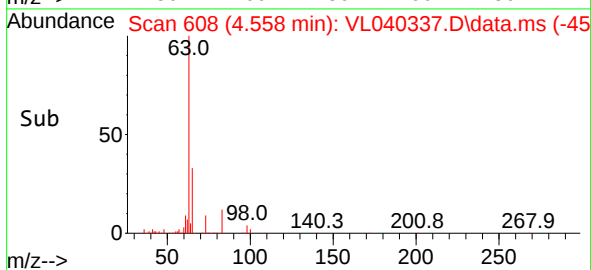
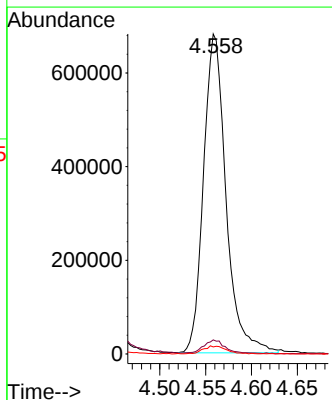
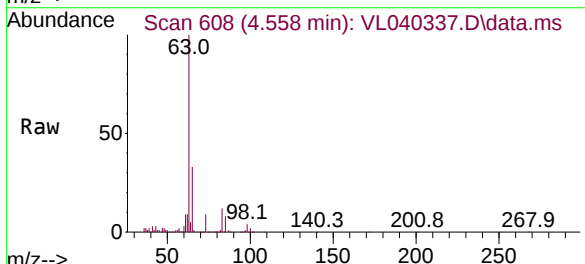
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0412ABS01

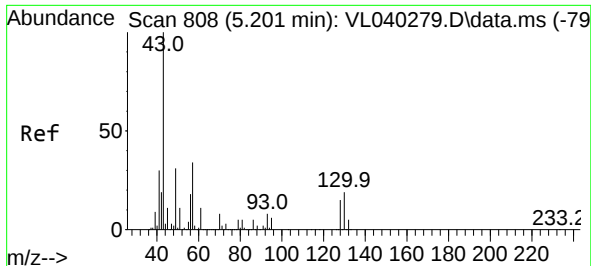
Tgt Ion: 43 Resp: 369498
 Ion Ratio Lower Upper
 43 100
 86 7.8 5.0 7.4#
 42 7.3 9.1 13.7#
 44 6.3 4.5 6.7



#24
 1,1-Dichloroethane
 Concen: 8.759 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

Tgt Ion: 63 Resp: 1165086
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.4 7.2
 100 2.2 1.2 3.6



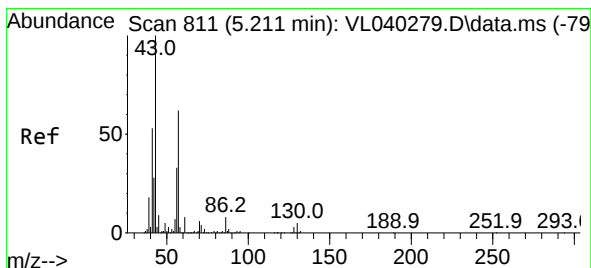
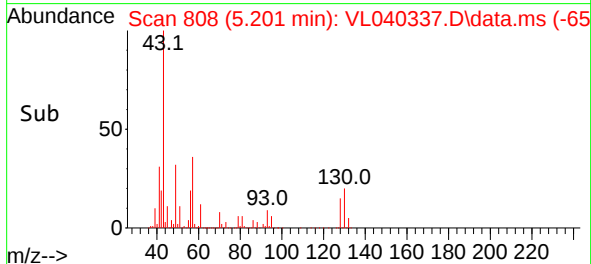
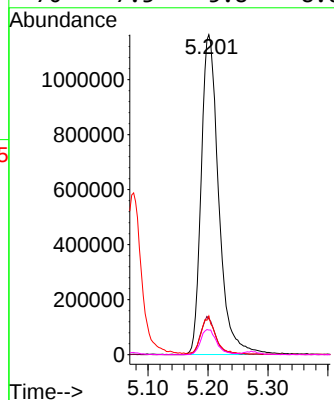
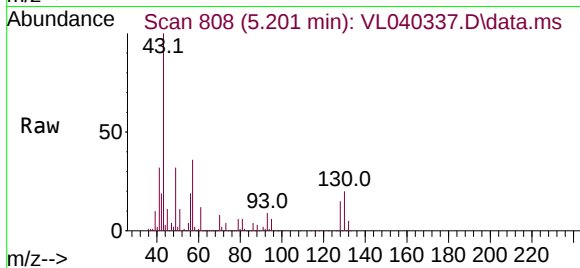


#25
Ethyl Acetate
Concen: 9.425 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tgt Ion: 43 Resp: 2365248

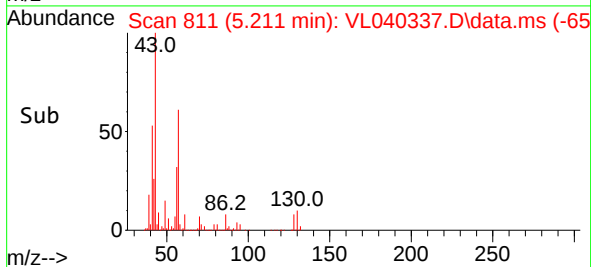
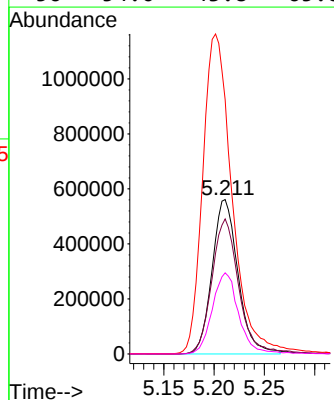
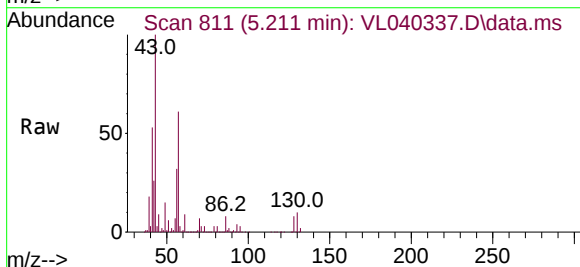
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.6	12.8
61	10.2	8.4	12.6
70	7.3	5.8	8.6

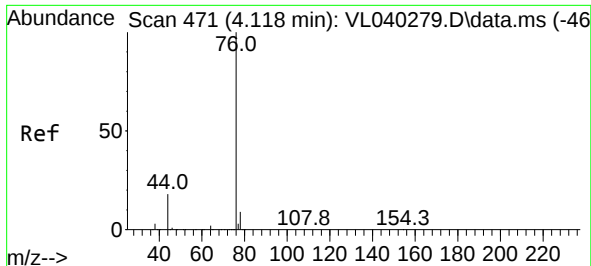


#26
Hexane
Concen: 9.759 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 57 Resp: 1005304

Ion	Ratio	Lower	Upper
57	100		
41	92.0	73.5	110.3
43	235.6	196.3	294.5
56	54.0	43.8	65.8

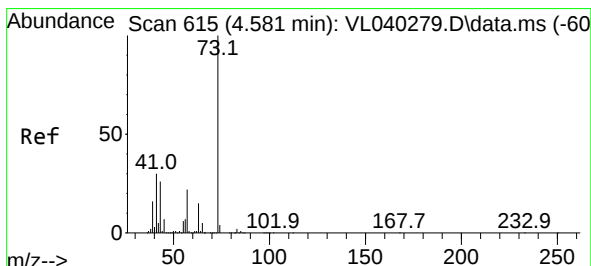
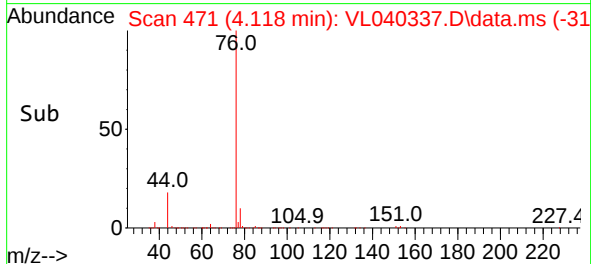
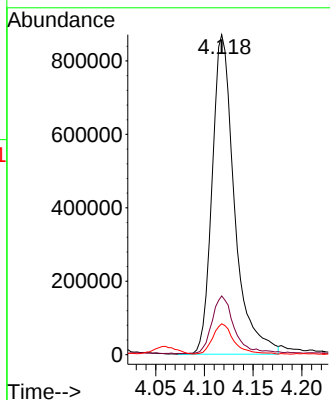
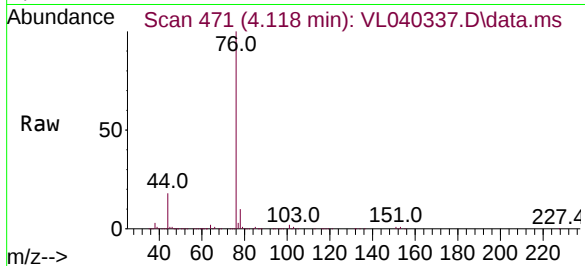




#27
Carbon Disulfide
Concen: 9.633 ppbv
RT: 4.118 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

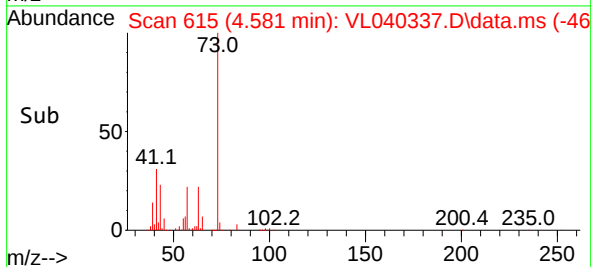
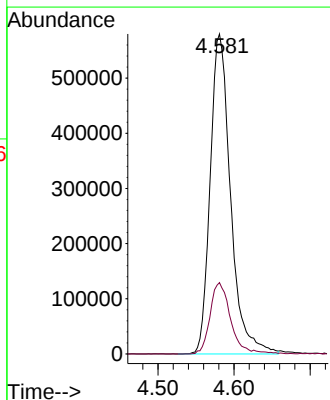
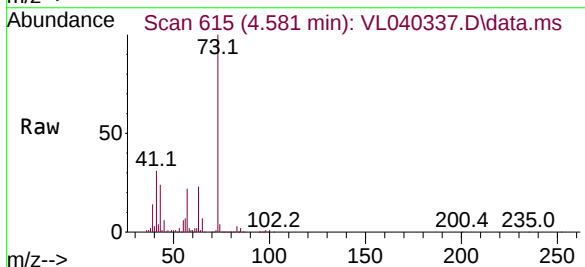
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

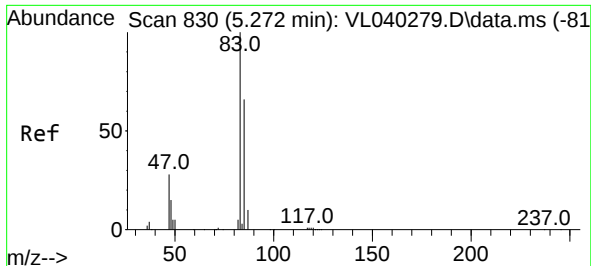
Tgt Ion: 76 Resp: 1385949
Ion Ratio Lower Upper
76 100
44 18.8 15.2 22.8
78 9.6 7.6 11.4



#28
Methyl tert-Butyl Ether
Concen: 9.106 ppbv
RT: 4.581 min Scan# 615
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 73 Resp: 1077105
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

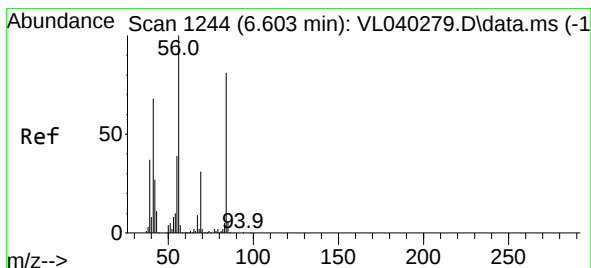
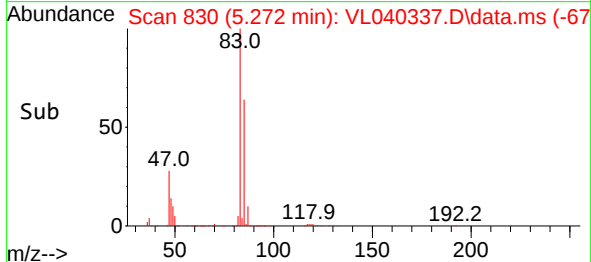
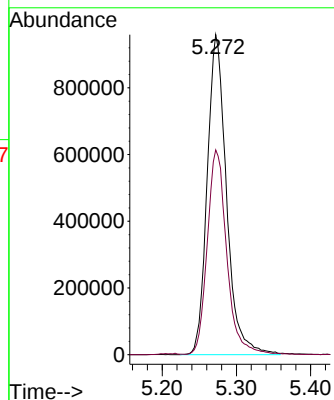
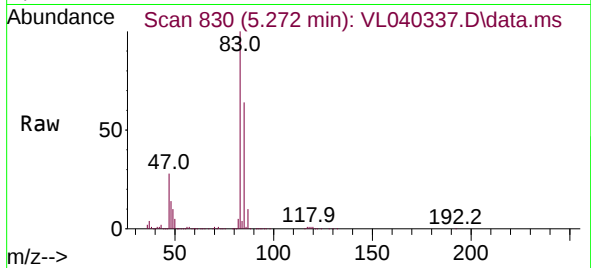




#29
Chloroform
Concen: 9.486 ppbv
RT: 5.272 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

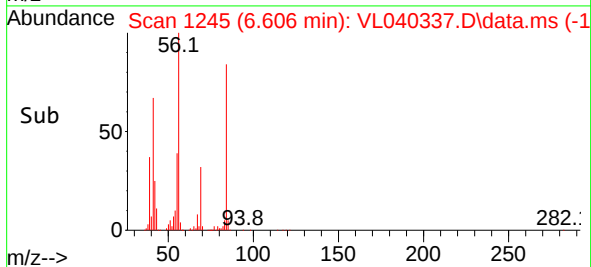
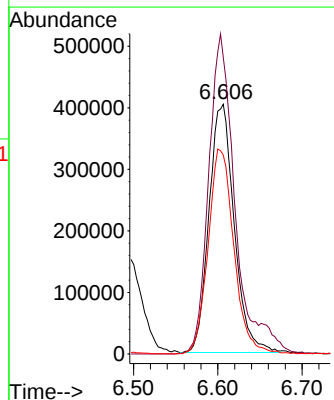
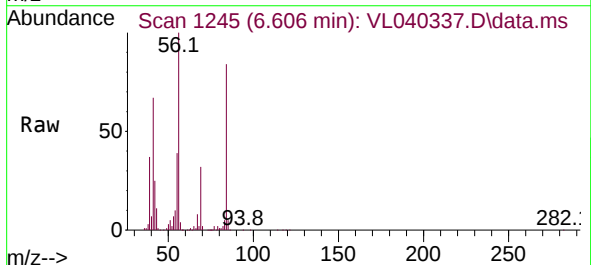
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

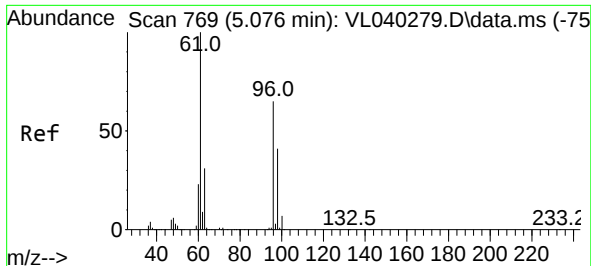
Tgt Ion: 83 Resp: 1725421
Ion Ratio Lower Upper
83 100
85 63.8 52.8 79.2



#30
Cyclohexane
Concen: 10.364 ppbv
RT: 6.606 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 84 Resp: 841322
Ion Ratio Lower Upper
84 100
56 135.5 109.0 163.4
41 84.5 67.9 101.9

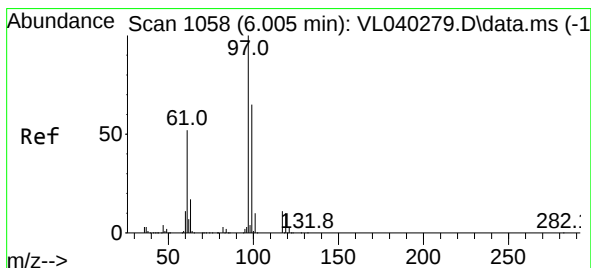
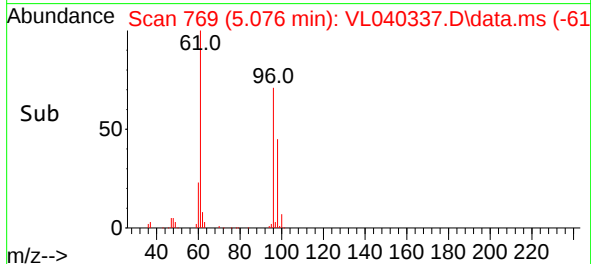
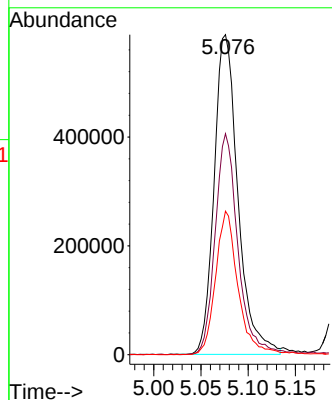
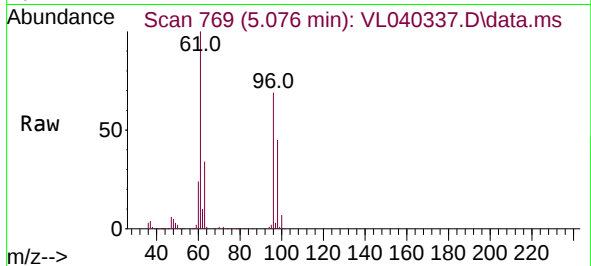




#31
 cis-1,2-Dichloroethene
 Concen: 10.285 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. -0.000 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

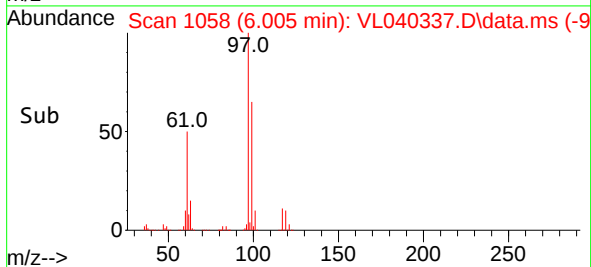
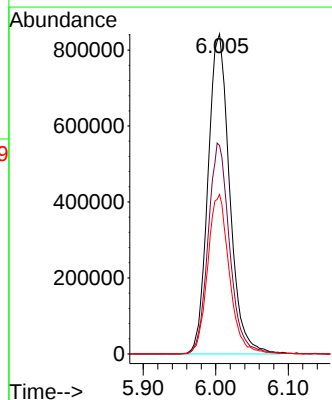
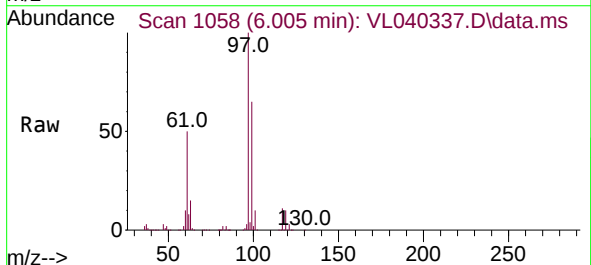
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

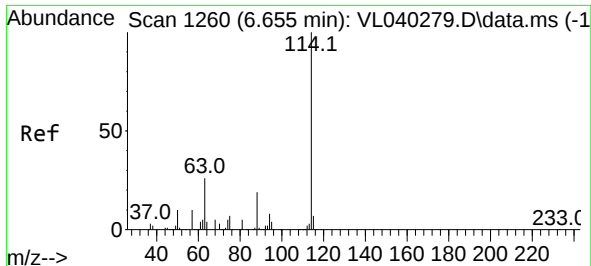
Tgt Ion: 61 Resp: 1031769
 Ion Ratio Lower Upper
 61 100
 96 69.1 51.8 77.8
 98 44.8 32.5 48.7



#32
 1,1,1-Trichloroethane
 Concen: 10.038 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. 0.000 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

Tgt Ion: 97 Resp: 1749306
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.2 78.2
 61 49.9 41.4 62.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

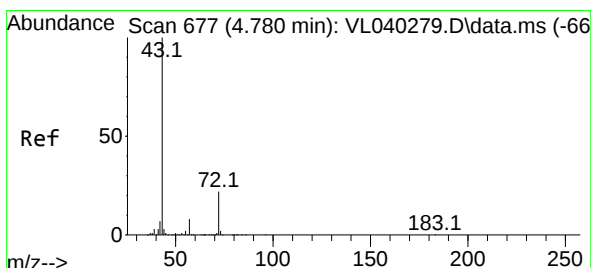
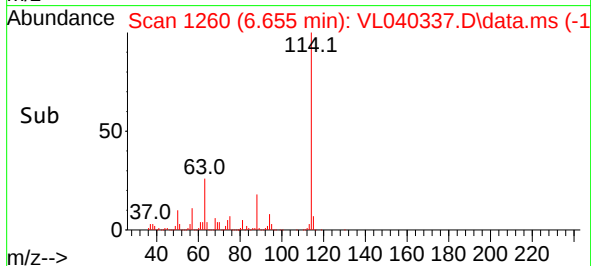
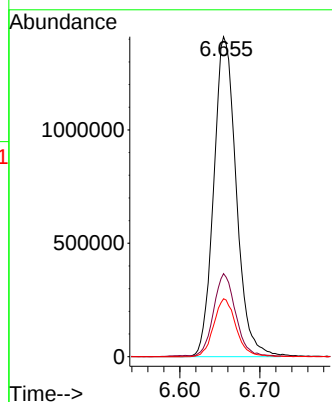
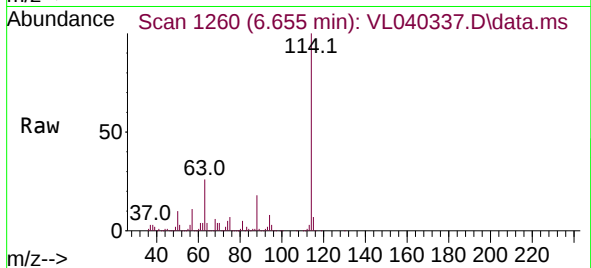
Tgt Ion:114 Resp: 2759072

Ion Ratio Lower Upper

114 100

63 26.1 21.2 31.8

88 17.9 14.5 21.7



#34

2-Butanone

Concen: 9.556 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.000 min

Lab File: VL040337.D

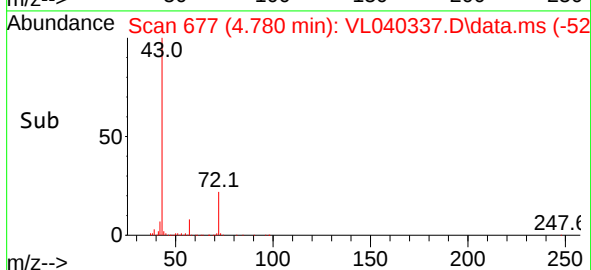
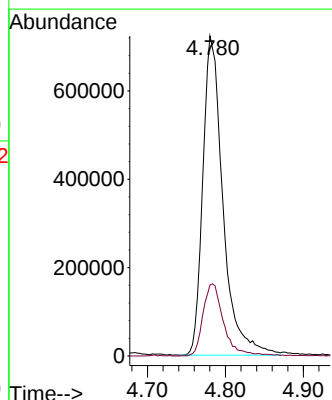
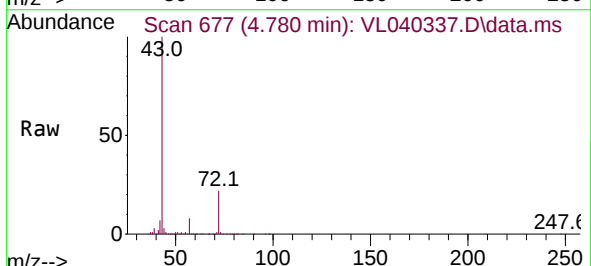
Acq: 12 Apr 2023 12:39

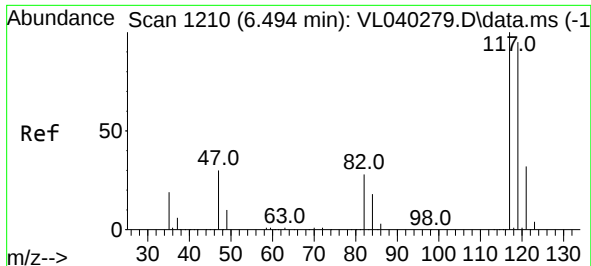
Tgt Ion: 43 Resp: 1301252

Ion Ratio Lower Upper

43 100

72 23.5 18.3 27.5

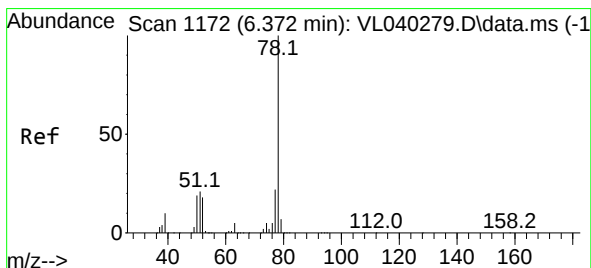
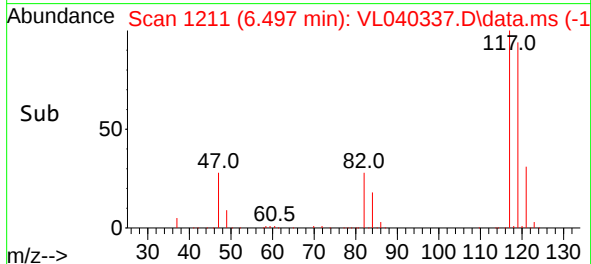
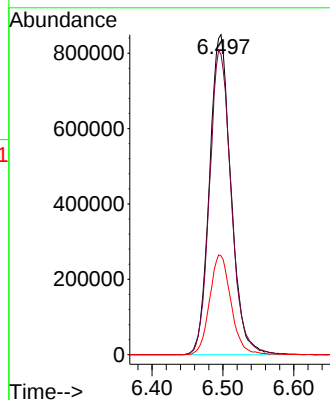
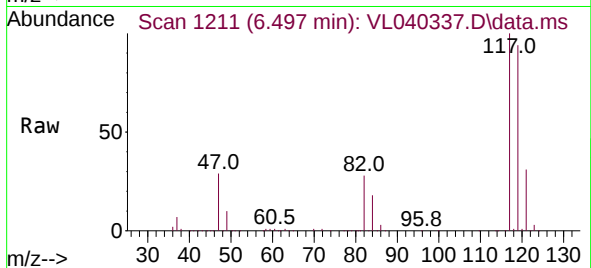




#35
Carbon Tetrachloride
Concen: 10.319 ppbv
RT: 6.497 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

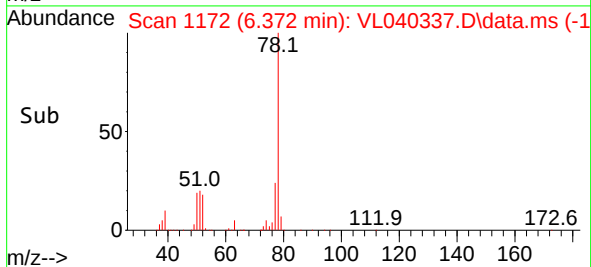
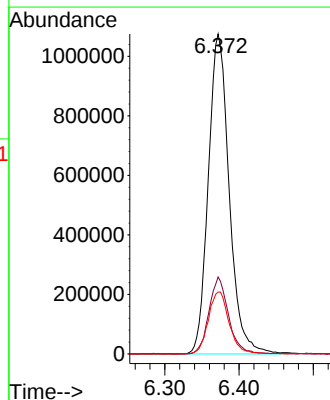
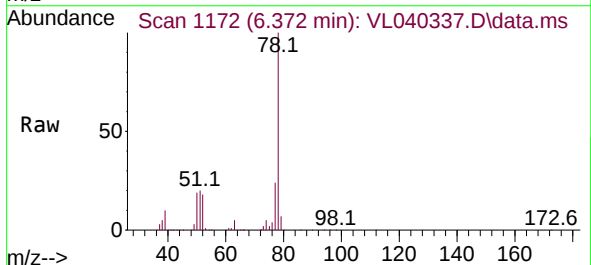
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

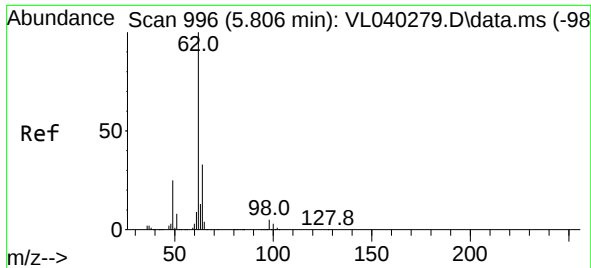
Tgt Ion:117 Resp: 1786719
Ion Ratio Lower Upper
117 100
119 93.8 76.4 114.6
121 30.9 25.6 38.4



#36
Benzene
Concen: 9.966 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 78 Resp: 2095440
Ion Ratio Lower Upper
78 100
77 24.0 17.8 26.8
50 19.4 15.4 23.2





#37

1,2-Dichloroethane

Concen: 9.761 ppbv

RT: 5.806 min Scan# 996

Delta R.T. -0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

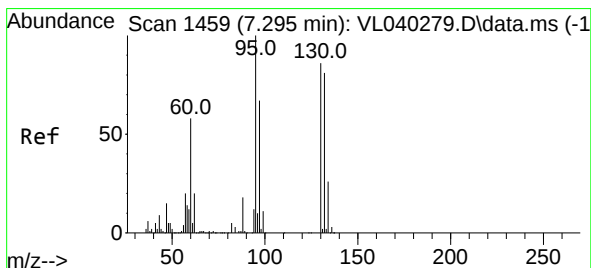
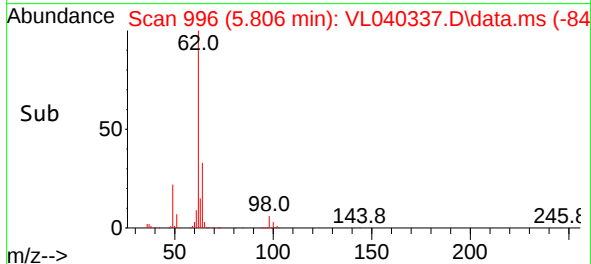
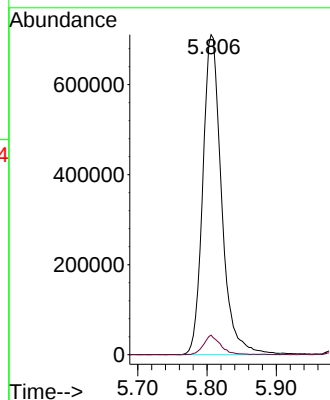
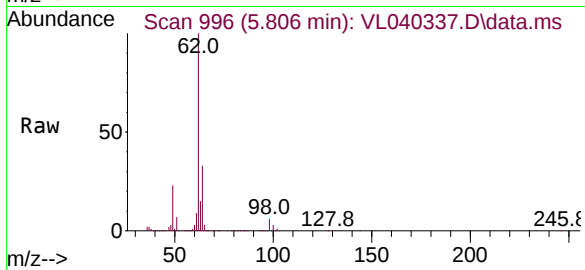
VL0412ABS01

Tgt Ion: 62 Resp: 1335777

Ion Ratio Lower Upper

62 100

98 5.6 4.3 6.5



#38

Trichloroethene

Concen: 10.824 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Tgt Ion:130 Resp: 1243677

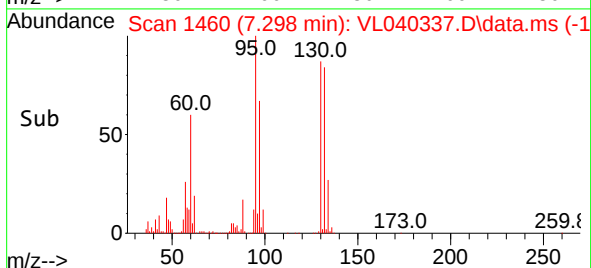
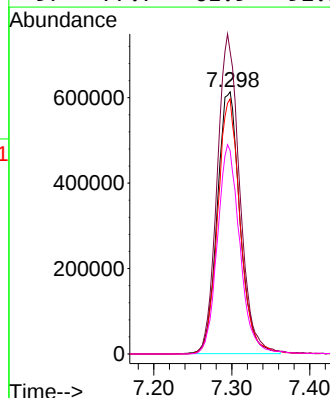
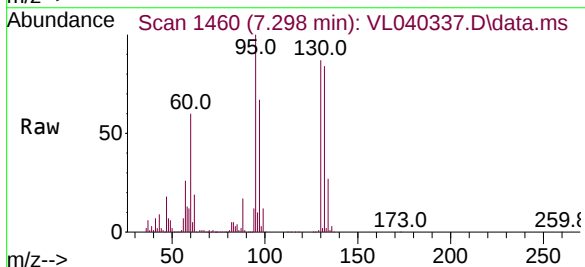
Ion Ratio Lower Upper

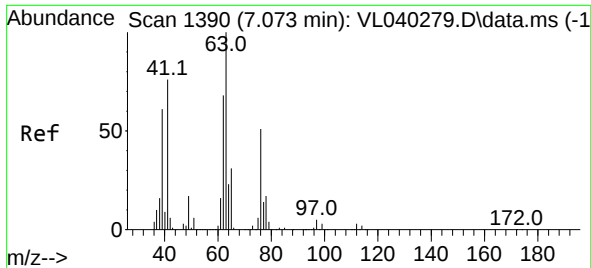
130 100

95 115.5 93.0 139.4

132 97.4 75.3 112.9

97 77.7 61.9 92.9





#39

1,2-Dichloropropane

Concen: 9.812 ppbv

RT: 7.079 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

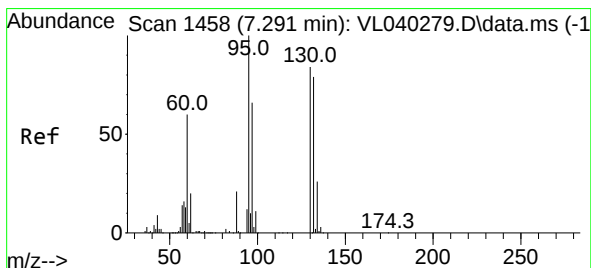
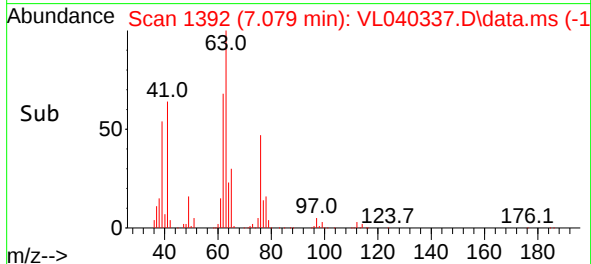
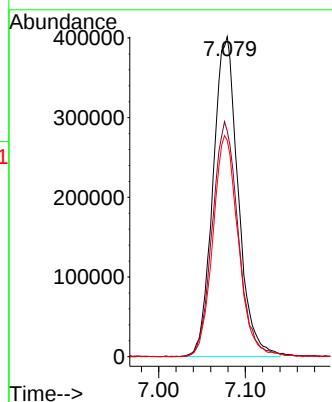
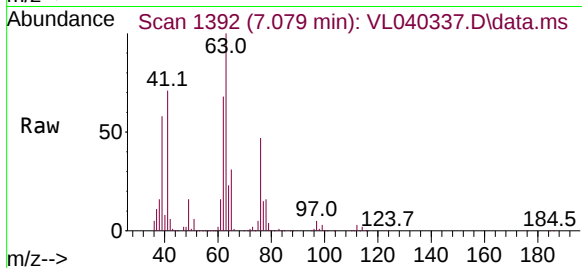
Tgt Ion: 63 Resp: 809395

Ion Ratio Lower Upper

63 100

41 70.6 60.8 91.2

62 67.5 54.1 81.1



#40

1,4-Dioxane

Concen: 8.758 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Tgt Ion: 88 Resp: 285837

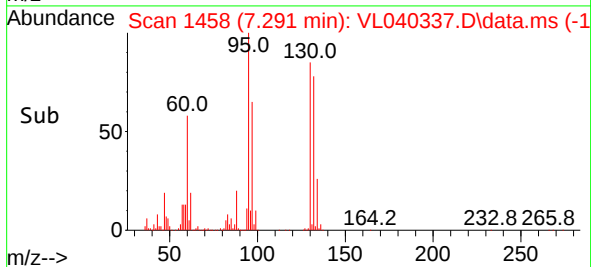
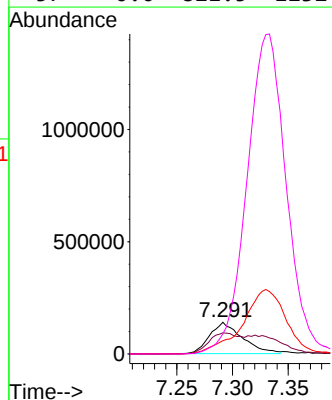
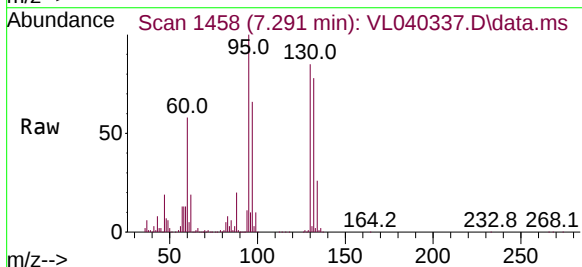
Ion Ratio Lower Upper

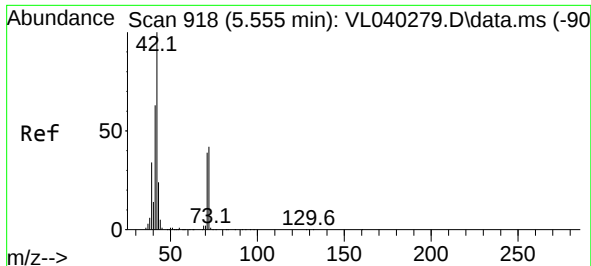
88 100

58 131.6 96.0 144.0

43 0.0 187.6 281.4#

57 0.0 821.5 1232.3#





#41

Tetrahydrofuran

Concen: 9.985 ppbv

RT: 5.555 min Scan# 918

Delta R.T. 0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

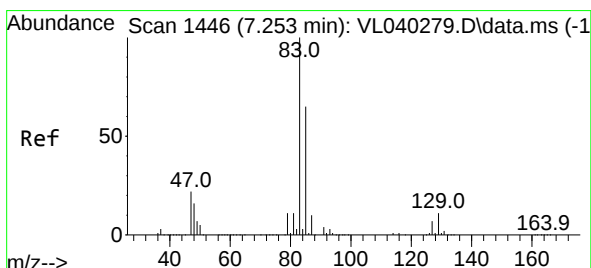
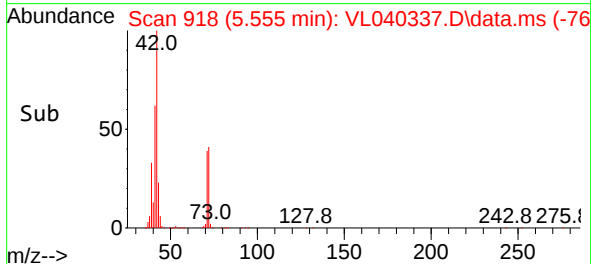
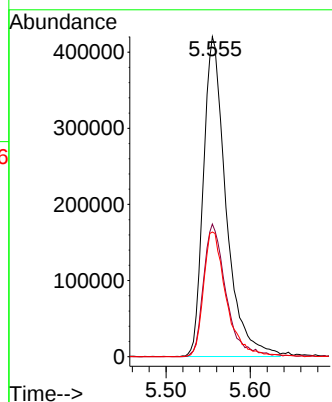
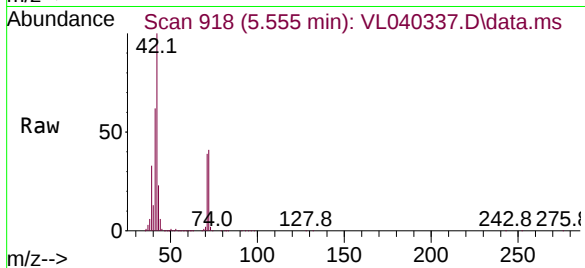
Tgt Ion: 42 Resp: 784728

Ion Ratio Lower Upper

42 100

72 41.7 32.6 49.0

71 39.6 31.0 46.4



#42

Bromodichloromethane

Concen: 9.960 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. -0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

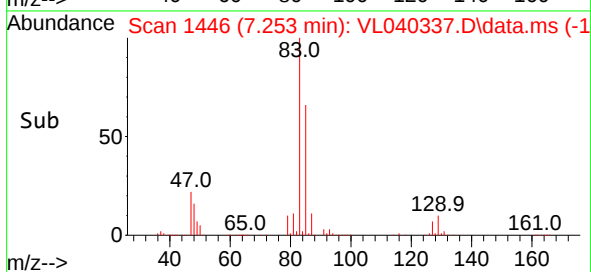
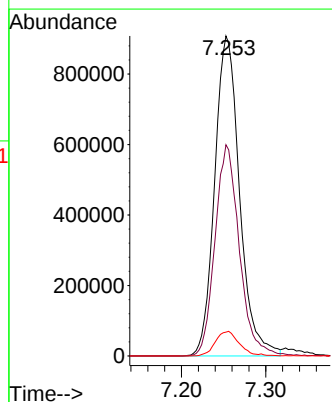
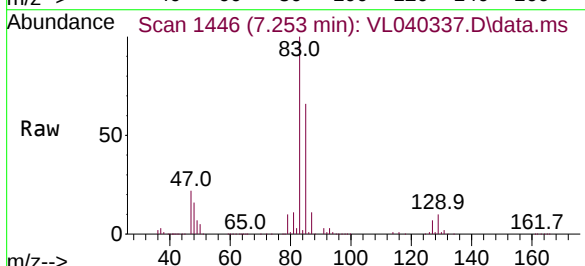
Tgt Ion: 83 Resp: 1862686

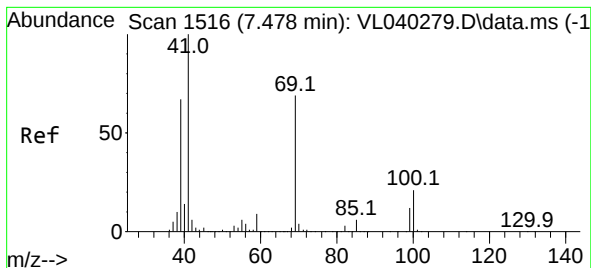
Ion Ratio Lower Upper

83 100

85 66.0 52.1 78.1

127 7.5 5.8 8.6





#43

Methyl Methacrylate

Concen: 10.591 ppbv

RT: 7.478 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

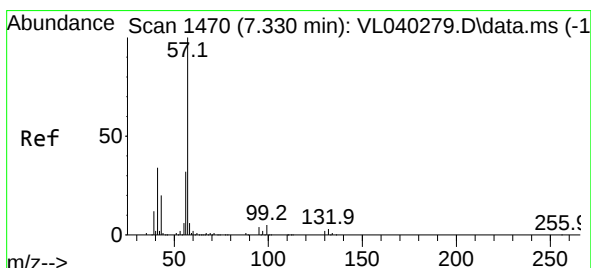
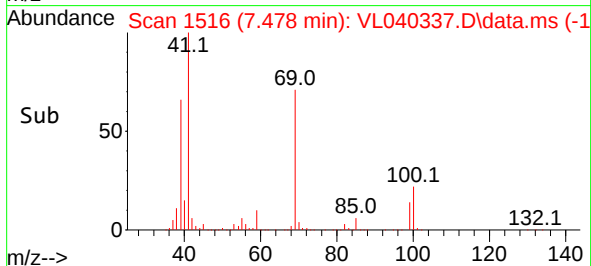
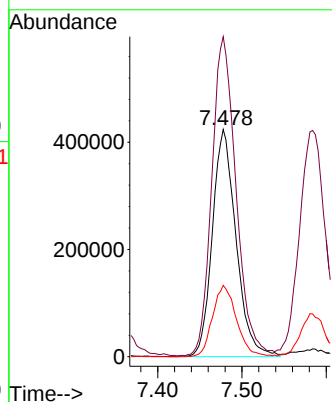
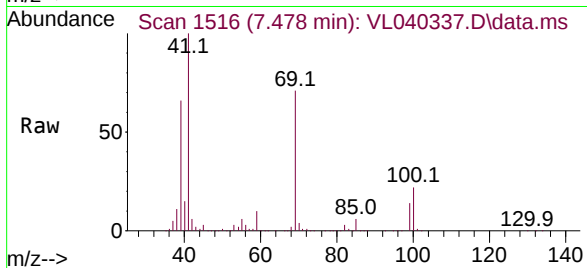
Tgt Ion: 69 Resp: 827593

Ion Ratio Lower Upper

69 100

41 143.9 116.9 175.3

100 31.7 24.2 36.4



#44

2,2,4-Trimethylpentane

Concen: 9.966 ppbv

RT: 7.333 min Scan# 1471

Delta R.T. 0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

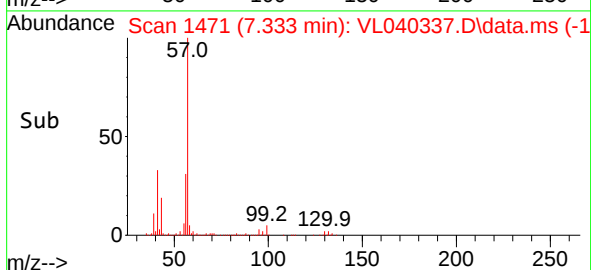
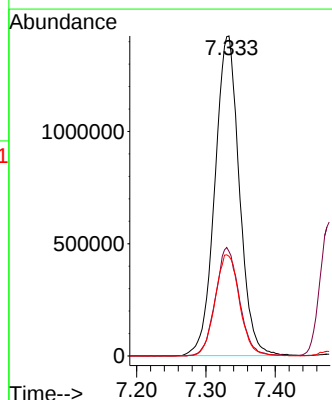
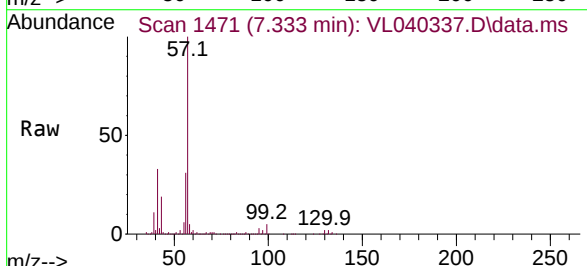
Tgt Ion: 57 Resp: 3493883

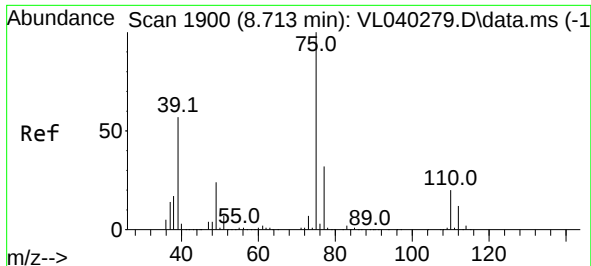
Ion Ratio Lower Upper

57 100

41 33.2 26.8 40.2

56 31.9 25.0 37.6

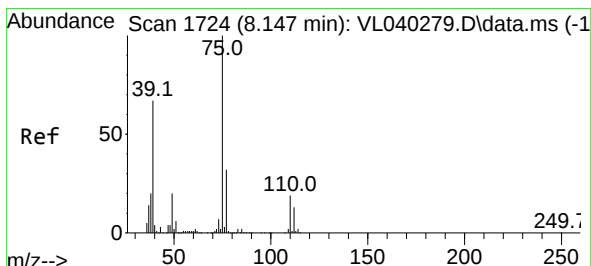
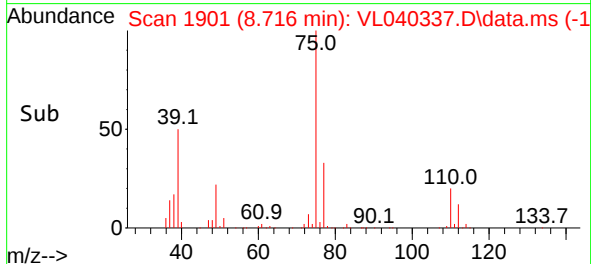
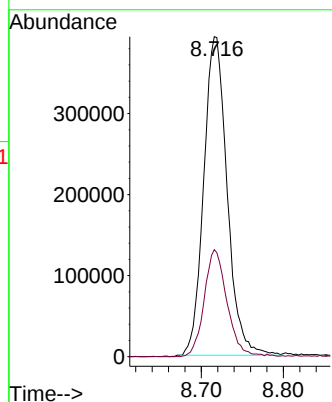
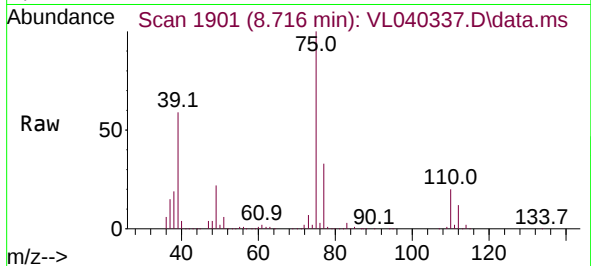




#45
 t-1,3-Dichloropropene
 Concen: 11.424 ppbv
 RT: 8.716 min Scan# 1900
 Delta R.T. 0.003 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

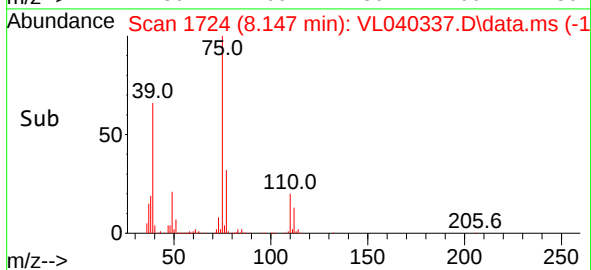
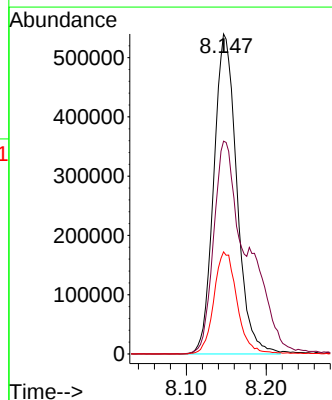
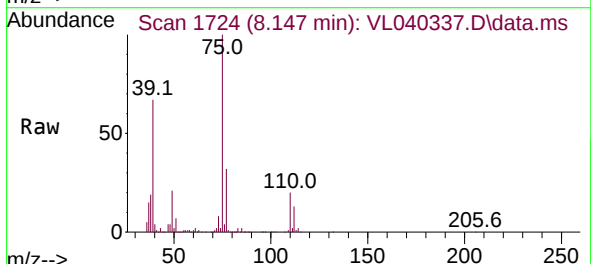
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

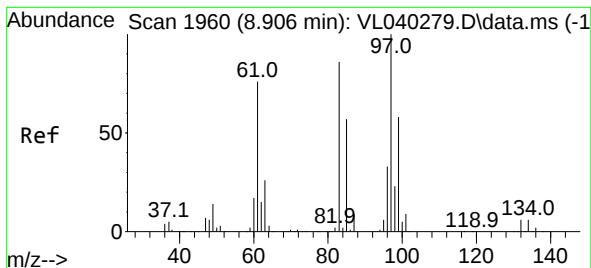
Tgt Ion: 75 Resp: 778174
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.4 38.0



#46
 cis-1,3-Dichloropropene
 Concen: 11.171 ppbv
 RT: 8.147 min Scan# 1724
 Delta R.T. -0.000 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

Tgt Ion: 75 Resp: 1080529
 Ion Ratio Lower Upper
 75 100
 39 66.5 53.9 80.9
 77 31.9 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 9.659 ppbv

RT: 8.905 min Scan# 1960

Delta R.T. -0.001 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tgt Ion: 97 Resp: 850142

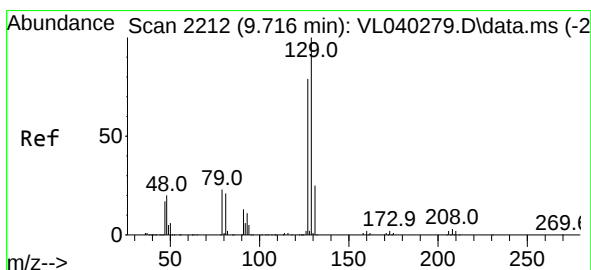
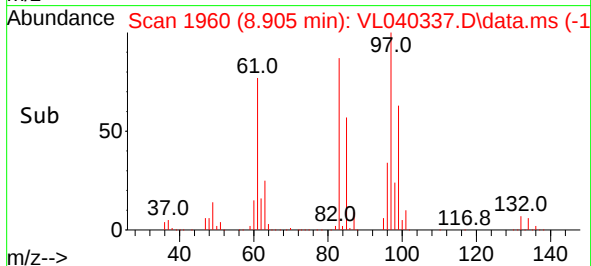
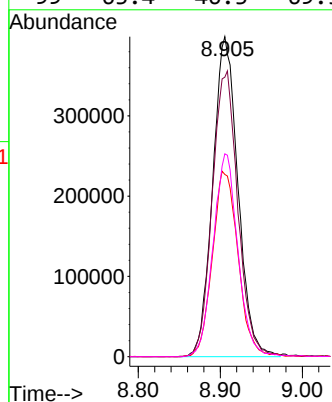
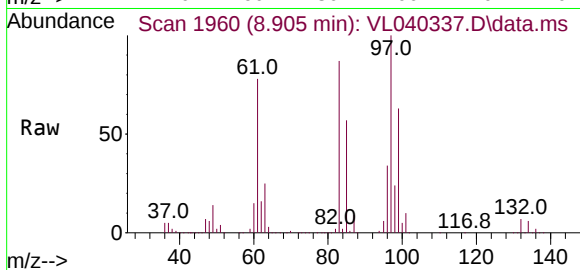
Ion Ratio Lower Upper

97 100

83 87.2 68.6 103.0

85 57.0 46.0 69.0

99 63.4 46.3 69.5



#48

Dibromochloromethane

Concen: 9.828 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. 0.003 min

Lab File: VL040337.D

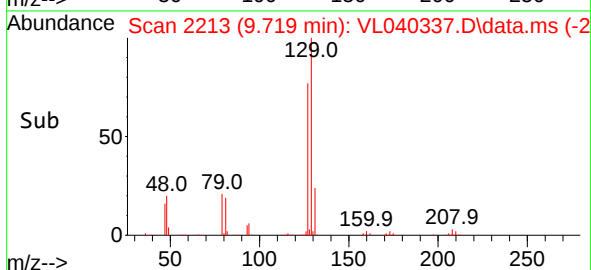
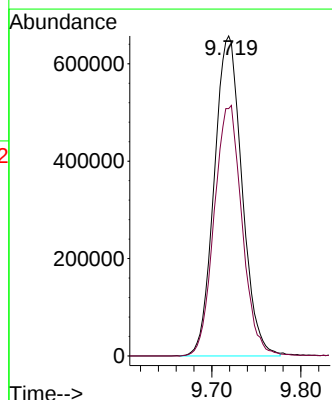
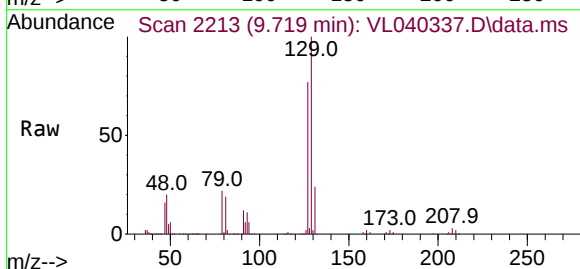
Acq: 12 Apr 2023 12:39

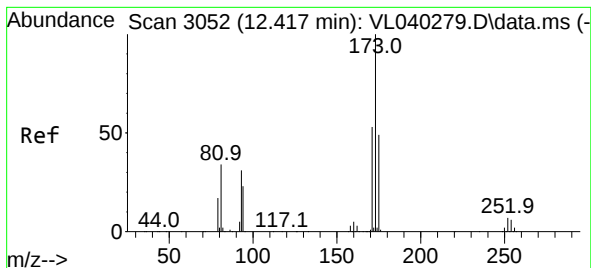
Tgt Ion: 129 Resp: 1423540

Ion Ratio Lower Upper

129 100

127 79.0 39.1 117.5





#49

Bromoform

Concen: 9.805 ppbv

RT: 12.420 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

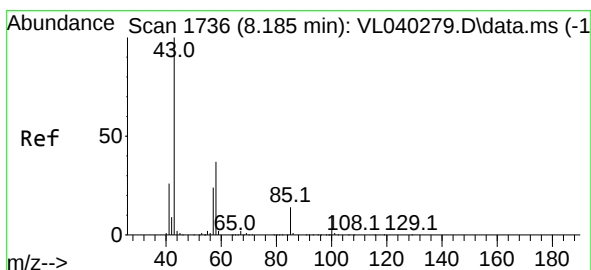
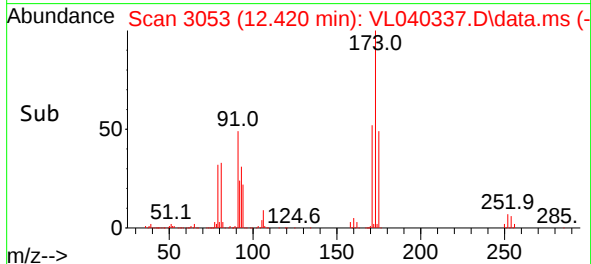
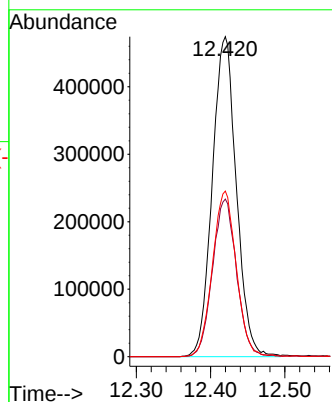
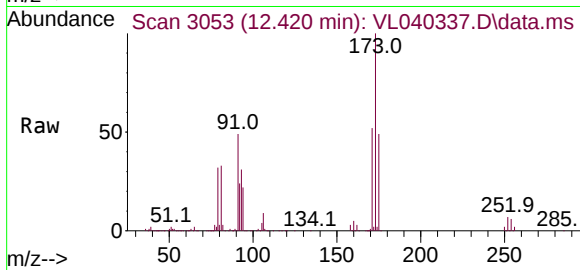
Tgt Ion:173 Resp: 1066663

Ion Ratio Lower Upper

173 100

175 49.5 39.8 59.8

171 51.6 42.2 63.4



#50

4-Methyl-2-Pentanone

Concen: 9.843 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. 0.000 min

Lab File: VL040337.D

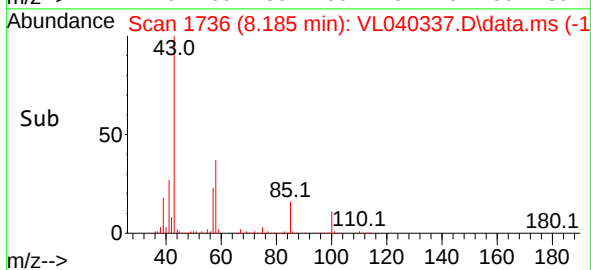
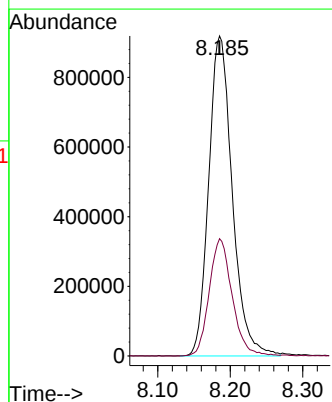
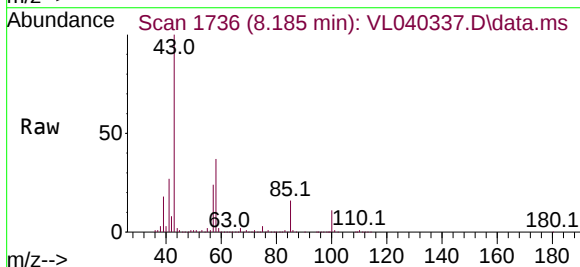
Acq: 12 Apr 2023 12:39

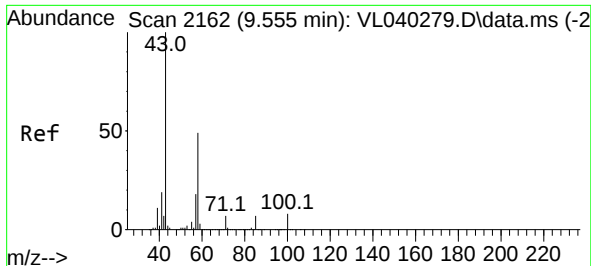
Tgt Ion: 43 Resp: 2074146

Ion Ratio Lower Upper

43 100

58 35.8 29.2 43.8

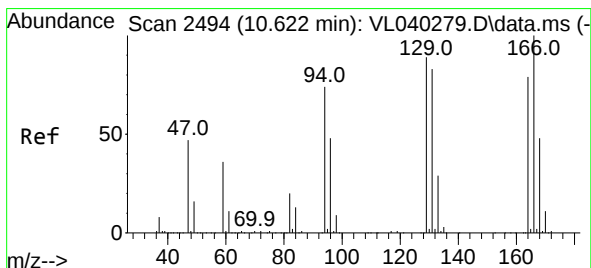
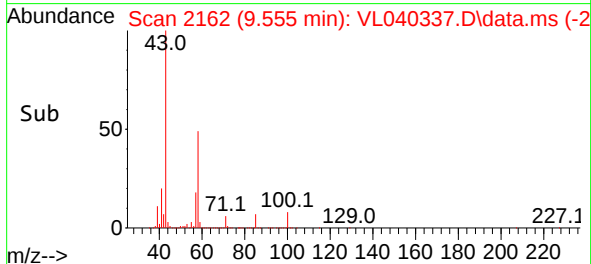
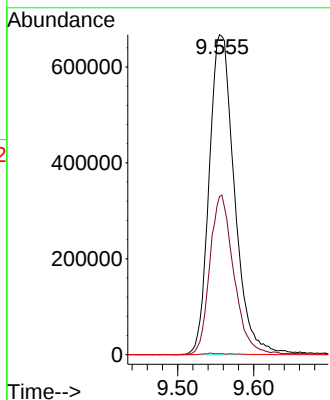
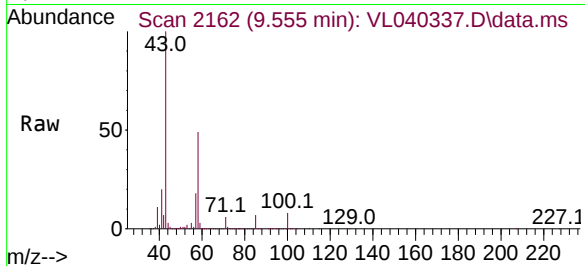




#51
2-Hexanone
Concen: 9.419 ppbv
RT: 9.555 min Scan# 2162
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

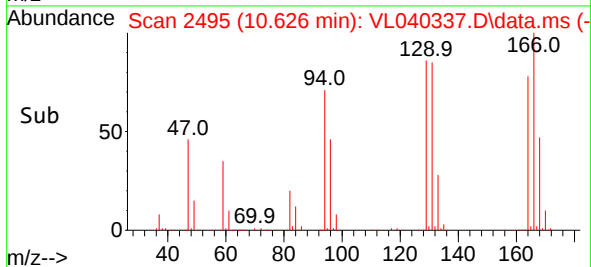
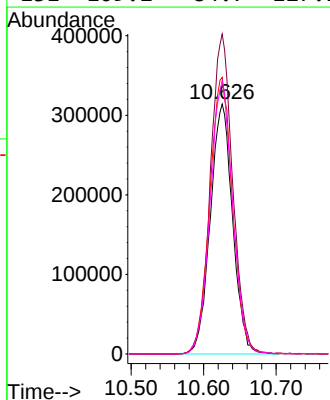
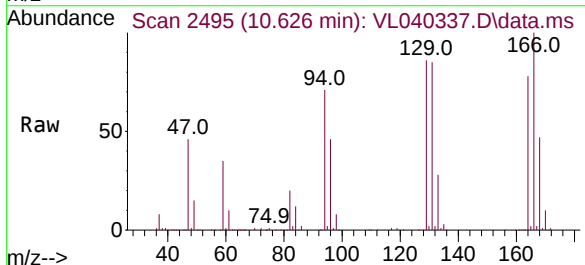
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

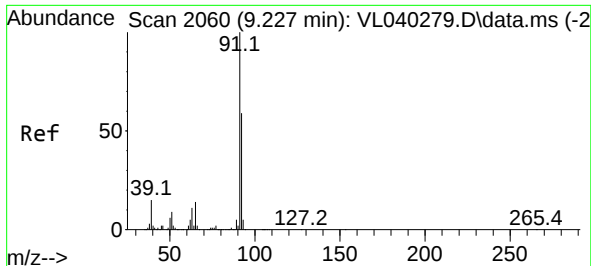
Tgt Ion: 43 Resp: 1537541
Ion Ratio Lower Upper
43 100
58 48.0 38.0 57.0
98 0.5 0.5 0.7



#52
Tetrachloroethene
Concen: 10.549 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. 0.004 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 164 Resp: 671076
Ion Ratio Lower Upper
164 100
166 128.0 101.8 152.6
129 110.7 90.2 135.2
131 109.2 84.7 127.1

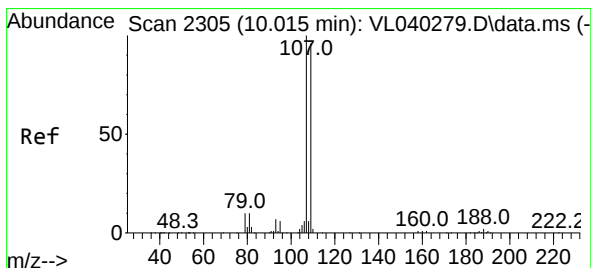
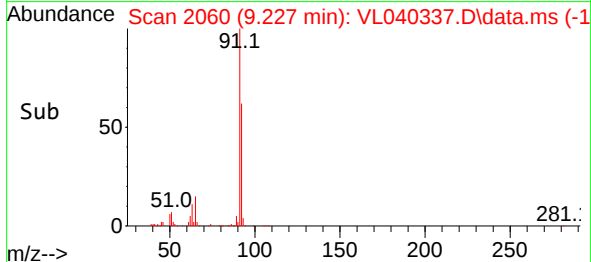
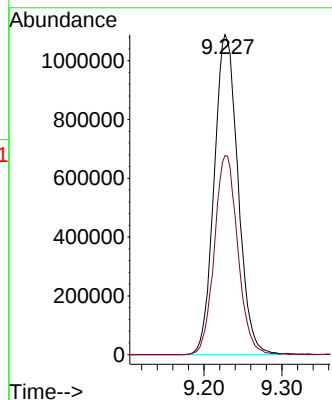
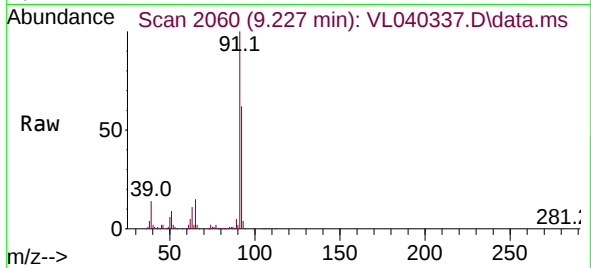




#53
Toluene
Concen: 10.492 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

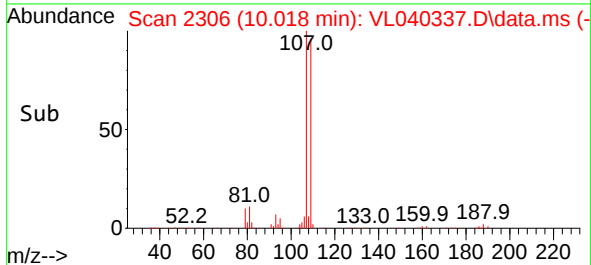
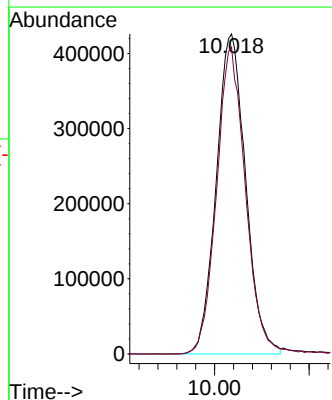
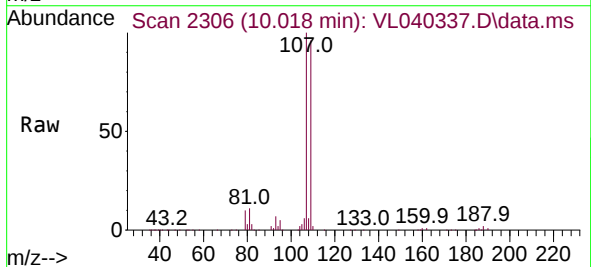
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

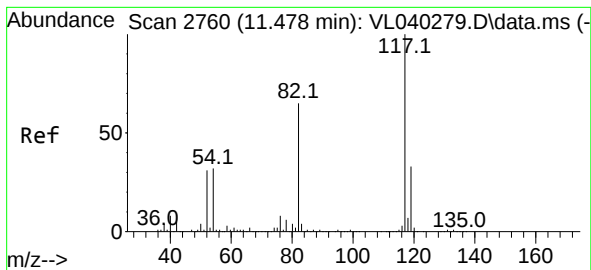
Tgt Ion: 91 Resp: 2311804
Ion Ratio Lower Upper
91 100
92 61.3 48.0 72.0



#54
1,2-Dibromoethane
Concen: 10.142 ppbv
RT: 10.018 min Scan# 2306
Delta R.T. 0.003 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 107 Resp: 918917
Ion Ratio Lower Upper
107 100
109 95.8 77.0 115.6

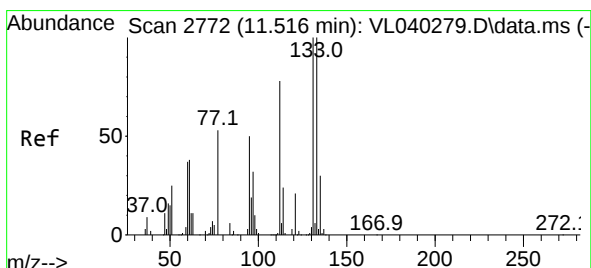
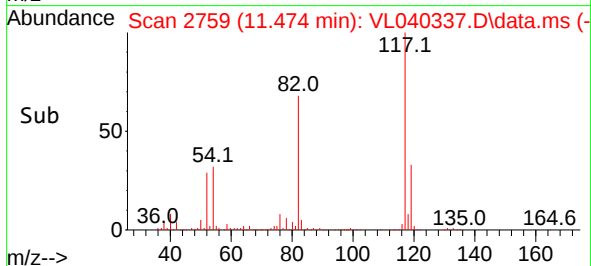
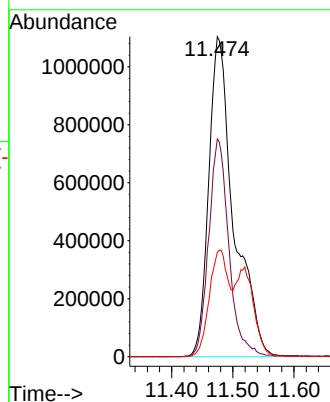
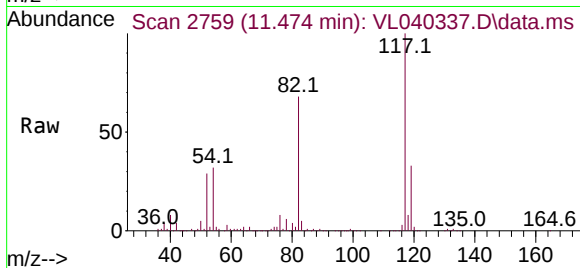




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

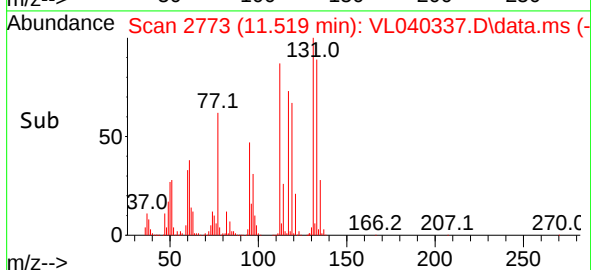
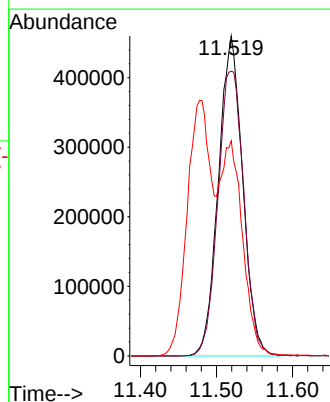
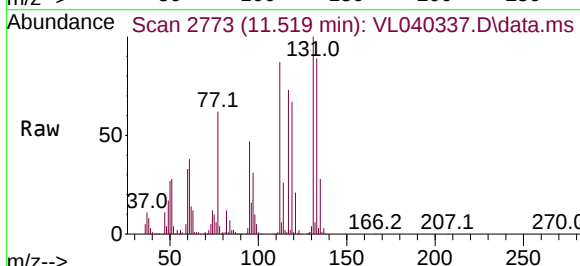
Instrument :
MSVOA_1
ClientSampleId :
VL0412ABS01

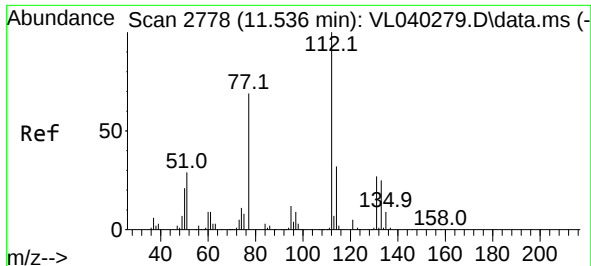
Tgt Ion:117 Resp: 3137195
Ion Ratio Lower Upper
117 100
82 55.1 51.4 77.2
119 25.2 24.0 36.0



#56
1,1,1,2-Tetrachloroethane
Concen: 7.728 ppbv
RT: 11.519 min Scan# 2773
Delta R.T. 0.003 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion:131 Resp: 1019940
Ion Ratio Lower Upper
131 100
133 95.2 76.5 114.7
119 57.0 47.9 71.9





#57

Chlorobenzene

Concen: 7.670 ppbv

RT: 11.536 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_1

ClientSampleId :

VL0412ABS01

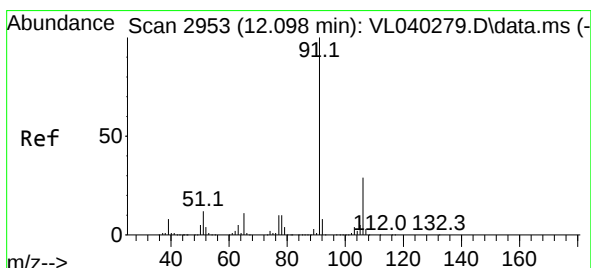
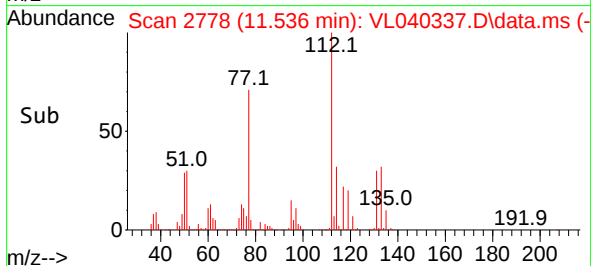
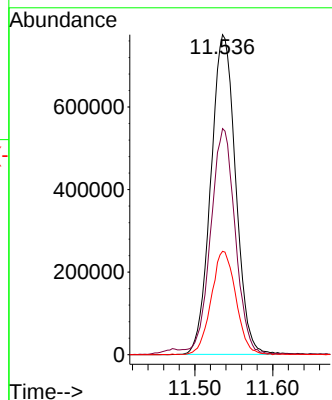
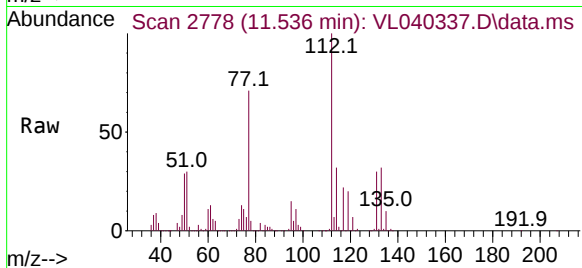
Tgt Ion:112 Resp: 1711697

Ion Ratio Lower Upper

112 100

77 70.4 56.2 84.2

114 32.2 29.0 35.4



#58

Ethyl Benzene

Concen: 8.605 ppbv

RT: 12.098 min Scan# 2953

Delta R.T. 0.000 min

Lab File: VL040337.D

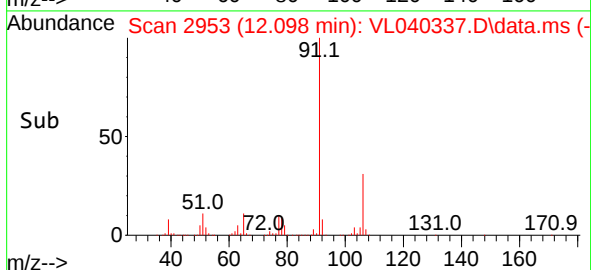
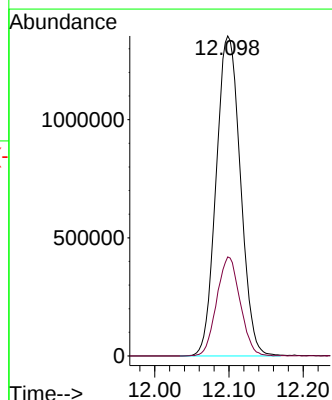
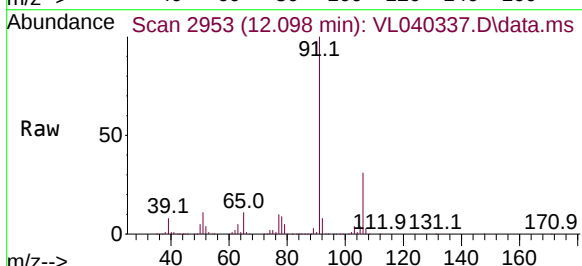
Acq: 12 Apr 2023 12:39

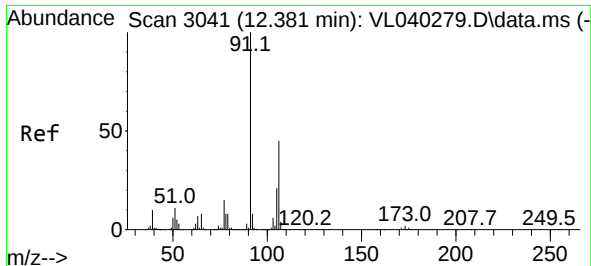
Tgt Ion: 91 Resp: 3074025

Ion Ratio Lower Upper

91 100

106 30.9 23.4 35.2





#59

m/p-Xylene

Concen: 9.445 ppbv

RT: 12.381 min Scan# 3041

Delta R.T. 0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

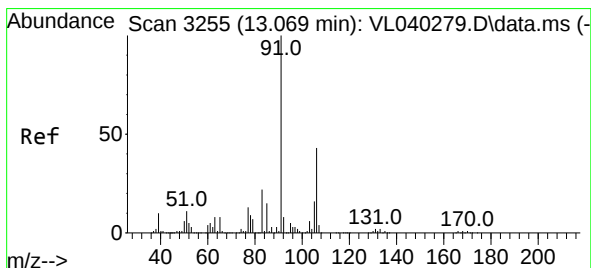
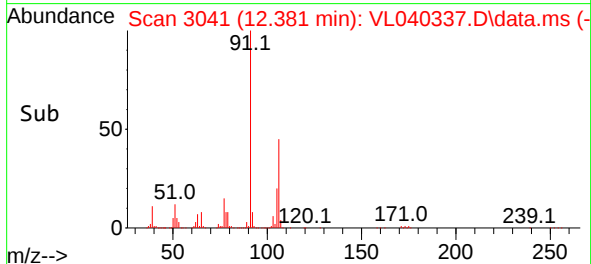
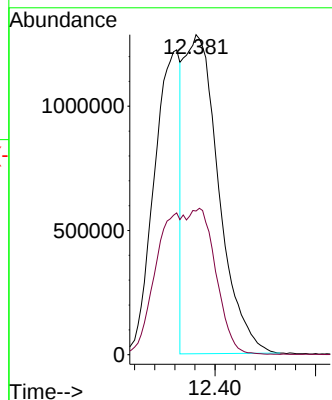
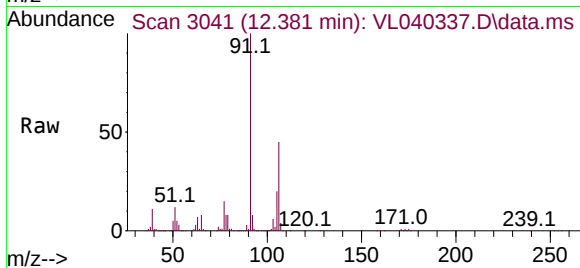
VL0412ABS01

Tgt Ion: 91 Resp: 3090727

Ion Ratio Lower Upper

91 100

106 74.4 34.0 51.0#



#60

o-Xylene

Concen: 8.087 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. 0.000 min

Lab File: VL040337.D

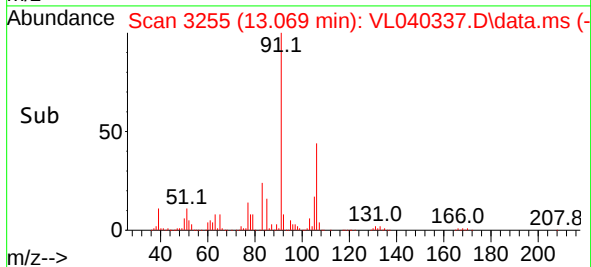
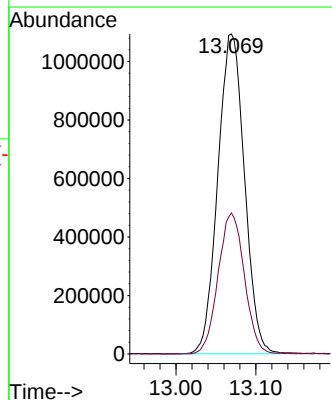
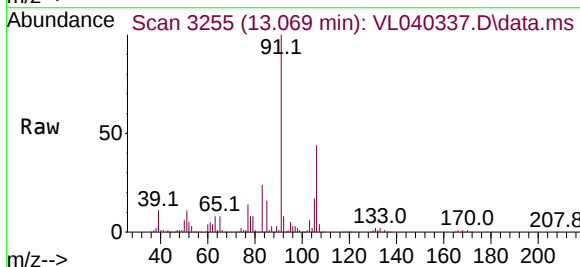
Acq: 12 Apr 2023 12:39

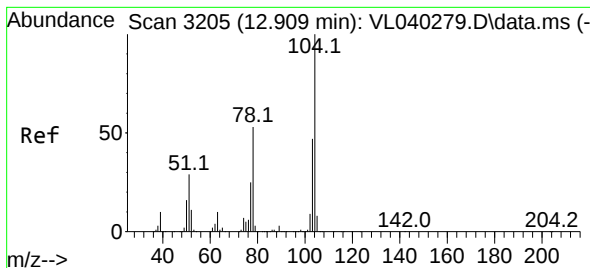
Tgt Ion: 91 Resp: 2529955

Ion Ratio Lower Upper

91 100

106 43.6 21.7 65.1





#61

Styrene

Concen: 9.074 ppbv

RT: 12.908 min Scan# 31

Delta R.T. -0.001 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

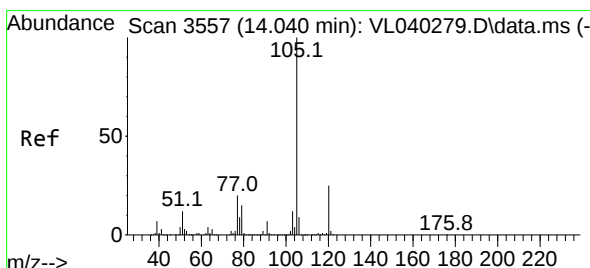
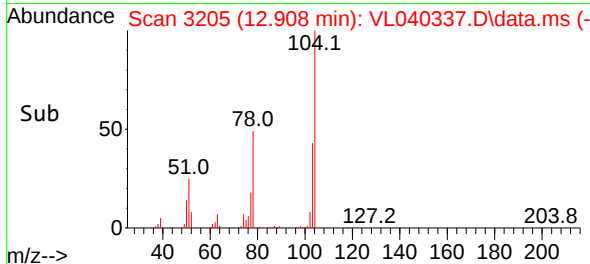
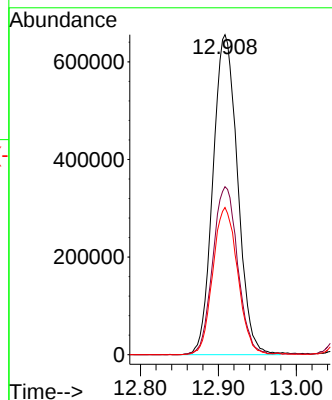
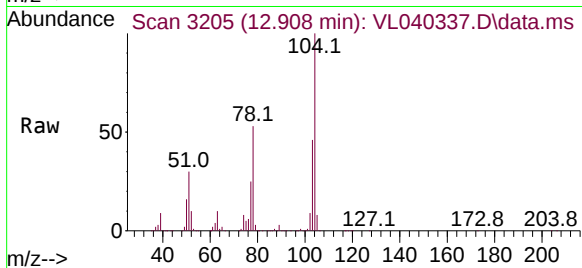
Tgt Ion:104 Resp: 1440482

Ion Ratio Lower Upper

104 100

78 53.5 43.7 65.5

103 46.6 37.4 56.2



#62

Isopropylbenzene

Concen: 8.023 ppbv

RT: 14.040 min Scan# 3557

Delta R.T. 0.000 min

Lab File: VL040337.D

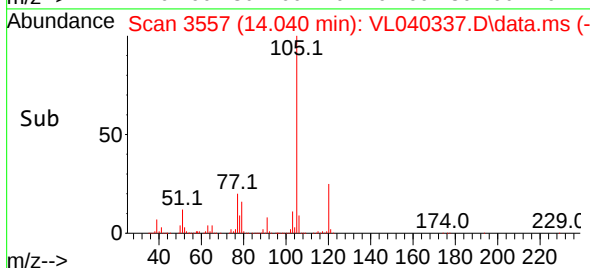
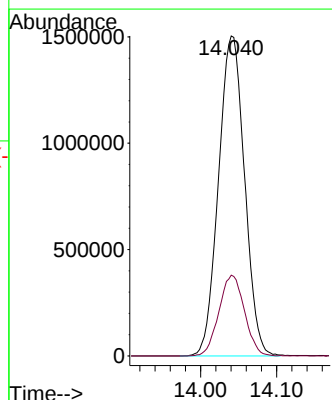
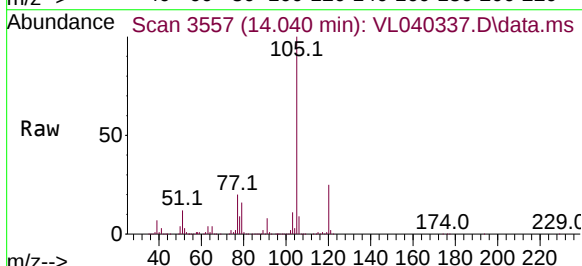
Acq: 12 Apr 2023 12:39

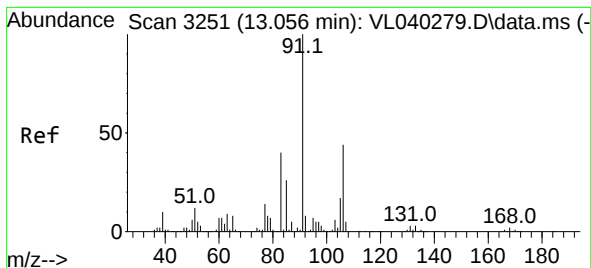
Tgt Ion:105 Resp: 3573949

Ion Ratio Lower Upper

105 100

120 24.8 19.9 29.9

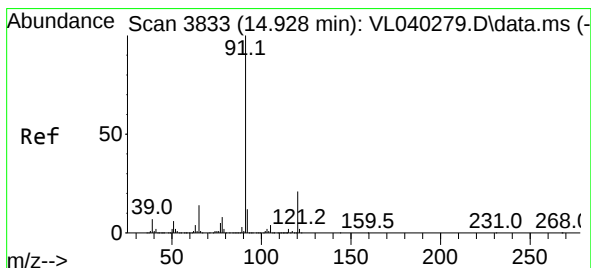
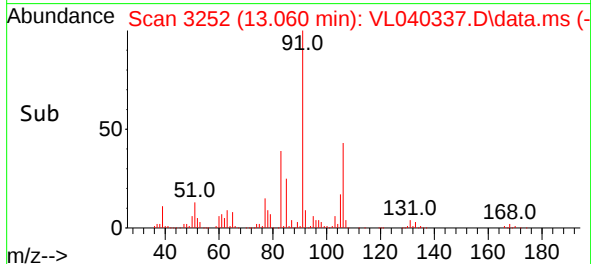
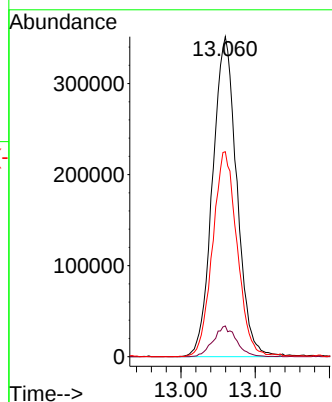
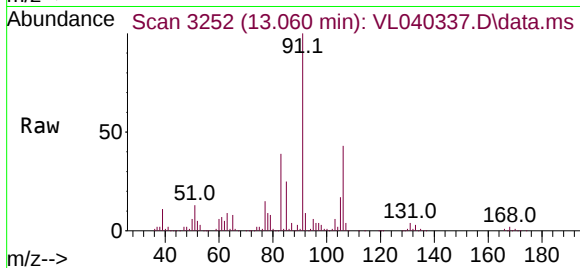




#63
1,1,2,2-Tetrachloroethane
Concen: 7.241 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.004 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

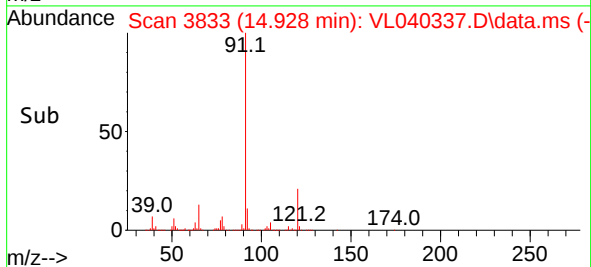
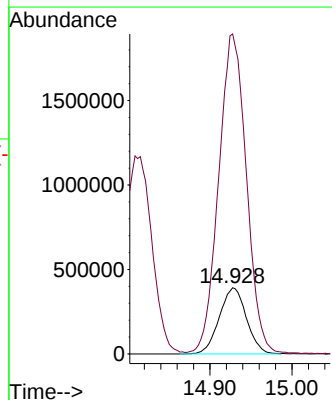
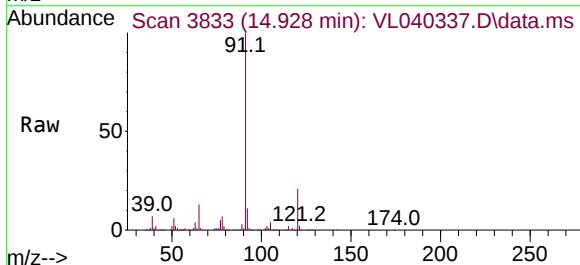
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

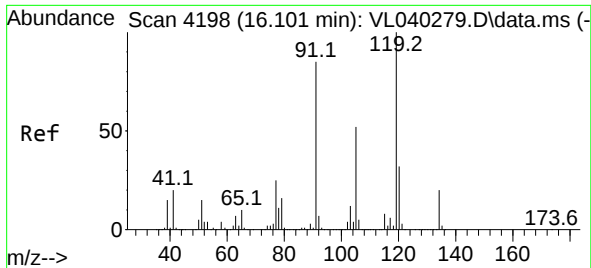
Tgt Ion: 83 Resp: 797093
Ion Ratio Lower Upper
83 100
131 9.1 4.3 12.9
85 65.2 32.7 98.1



#64
n-propylbenzene
Concen: 8.249 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 120 Resp: 899263
Ion Ratio Lower Upper
120 100
91 497.6 399.0 598.6

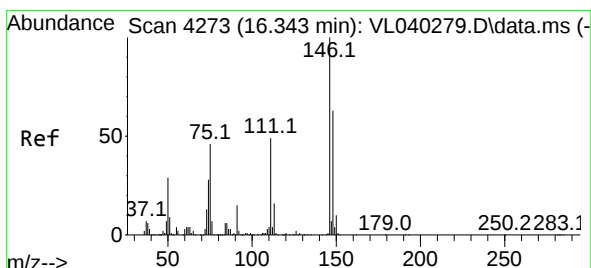
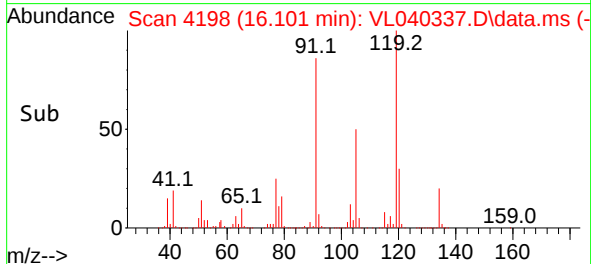
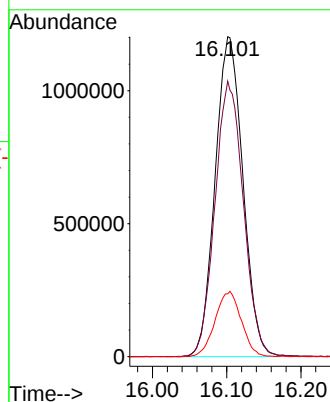
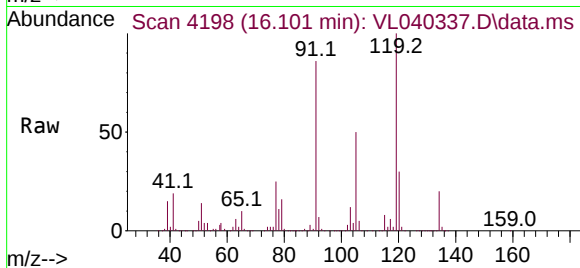




#65
tert-Butylbenzene
Concen: 8.145 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. 0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

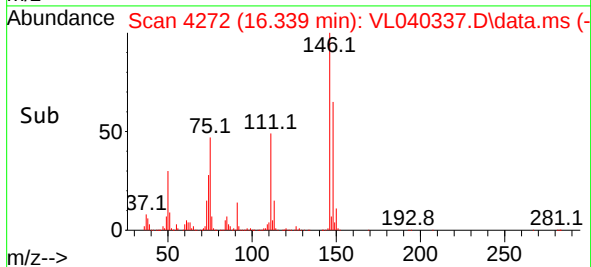
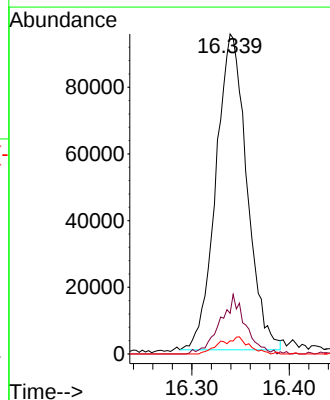
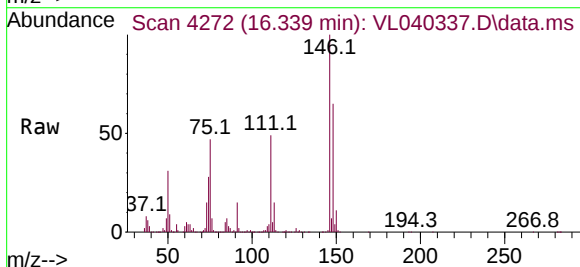
Instrument :
MSVOA_1
ClientSampleId :
VL0412ABS01

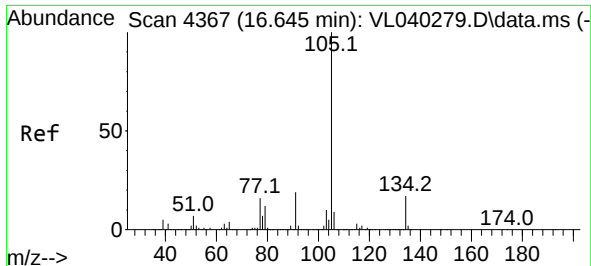
Tgt Ion:119 Resp: 3126828
Ion Ratio Lower Upper
119 100
91 88.3 69.4 104.2
134 19.4 15.8 23.6



#66
Benzyl Chloride
Concen: 8.384 ppbv
RT: 16.339 min Scan# 4272
Delta R.T. -0.004 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 91 Resp: 209186
Ion Ratio Lower Upper
91 100
126 15.6 12.1 18.1
128 5.1 3.8 5.6

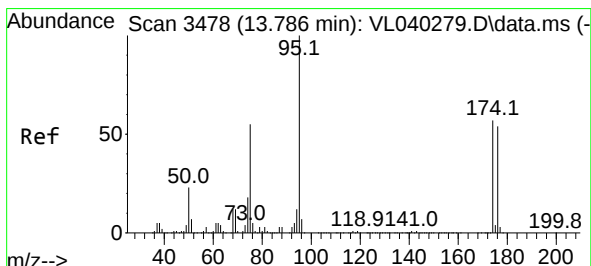
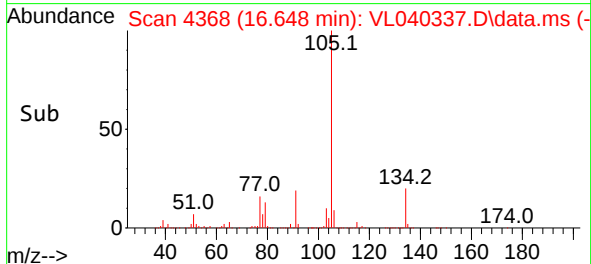
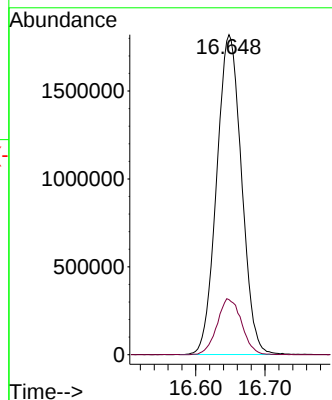
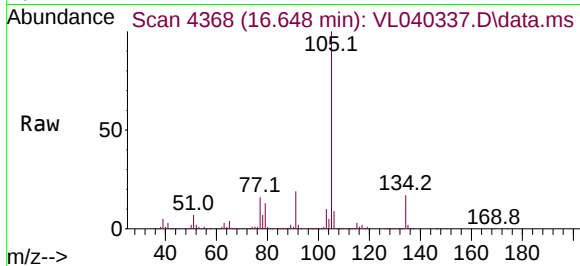




#67
 sec-Butylbenzene
 Concen: 8.267 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

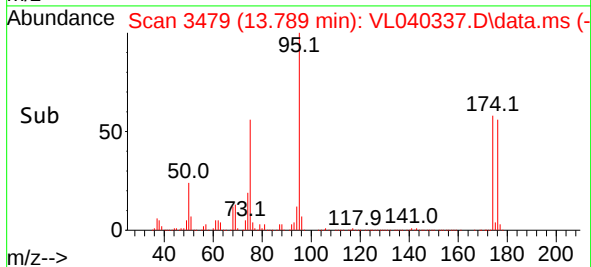
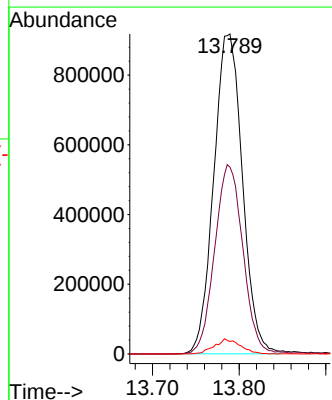
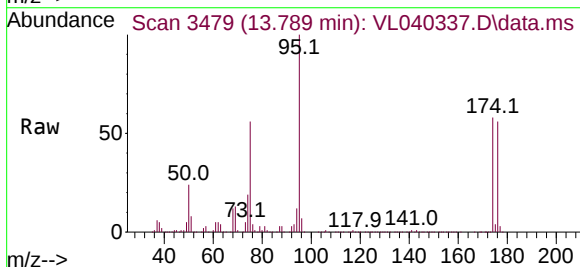
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0412ABS01

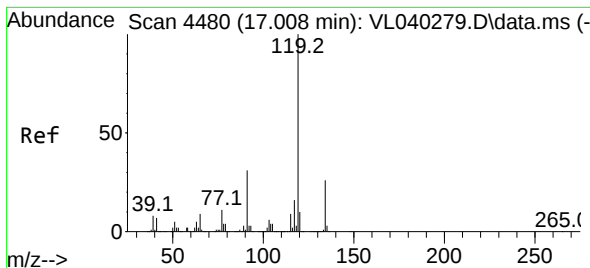
Tgt Ion:105 Resp: 4538895
 Ion Ratio Lower Upper
 105 100
 134 17.3 14.0 21.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.025 ppbv
 RT: 13.789 min Scan# 3479
 Delta R.T. 0.003 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

Tgt Ion: 95 Resp: 2108153
 Ion Ratio Lower Upper
 95 100
 174 58.7 47.0 70.6
 175 4.3 3.4 5.2

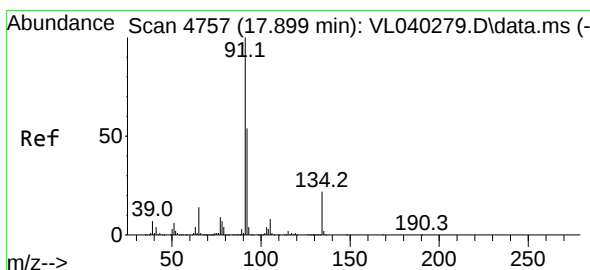
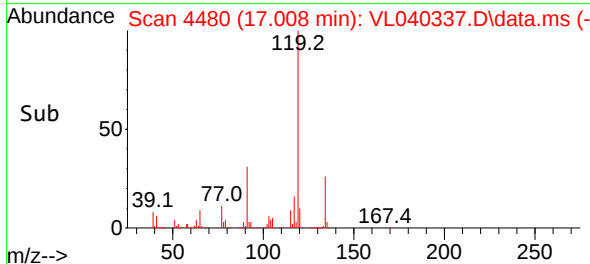
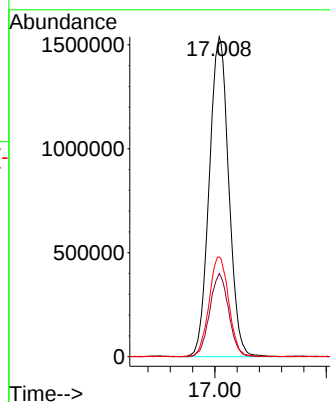
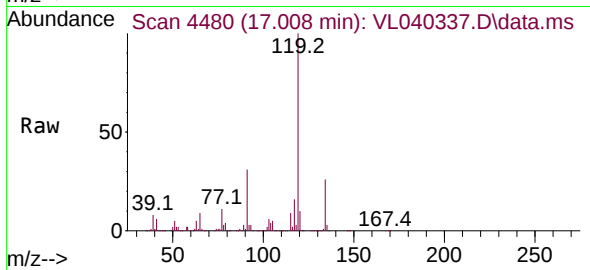




#69
p-Isopropyltoluene
Concen: 8.728 ppbv
RT: 17.008 min Scan# 4480
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

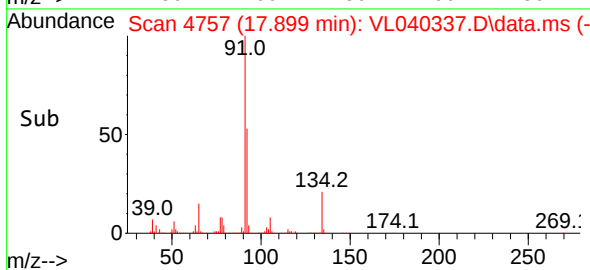
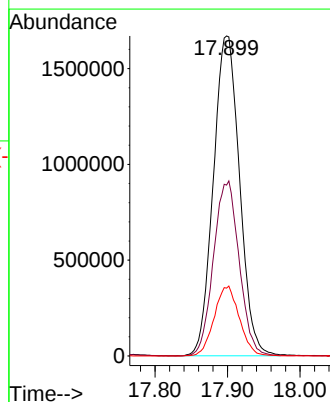
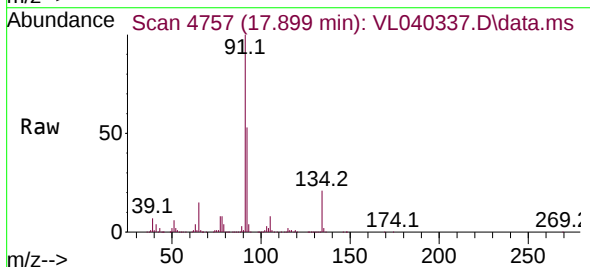
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

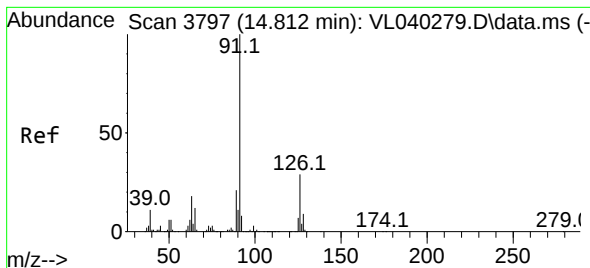
Tgt Ion:119 Resp: 3731704
Ion Ratio Lower Upper
119 100
134 25.3 20.2 30.2
91 31.6 25.1 37.7



#70
n-Butylbenzene
Concen: 8.902 ppbv
RT: 17.899 min Scan# 4757
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 91 Resp: 4193476
Ion Ratio Lower Upper
91 100
92 53.7 42.9 64.3
134 21.0 16.8 25.2

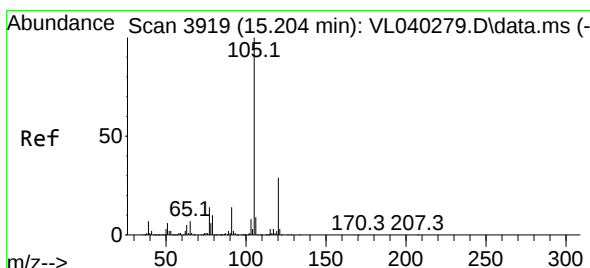
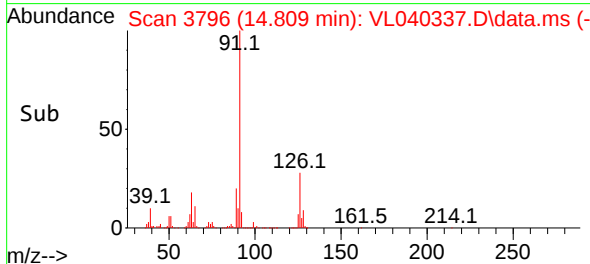
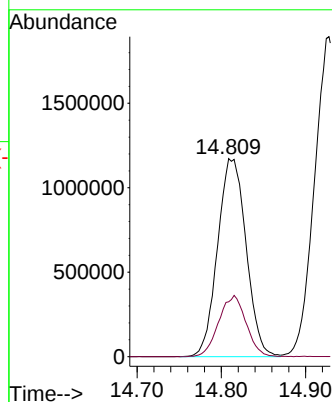
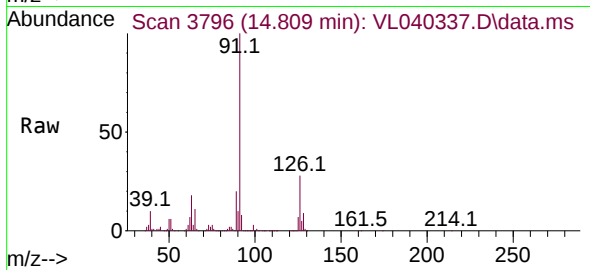




#71
2-Chlorotoluene
Concen: 8.123 ppbv
RT: 14.809 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

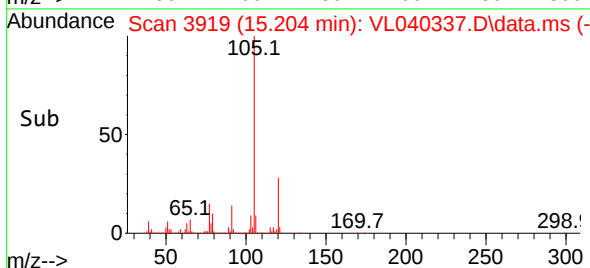
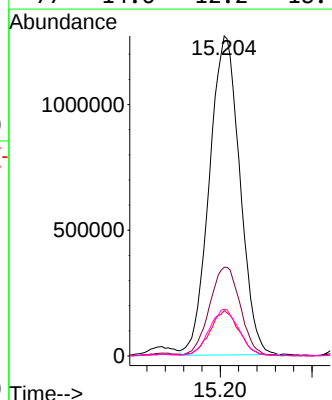
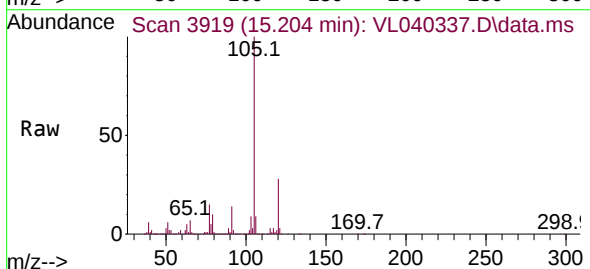
Instrument :
MSVOA_1
ClientSampleId :
VL0412ABS01

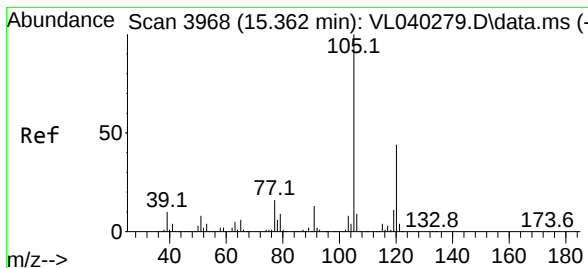
Tgt Ion: 91 Resp: 2754122
Ion Ratio Lower Upper
91 100
126 29.7 11.8 47.4



#72
4-Ethyltoluene
Concen: 8.553 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 105 Resp: 2925196
Ion Ratio Lower Upper
105 100
120 28.4 23.7 35.5
91 14.1 11.6 17.4
77 14.6 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 8.534 ppbv

RT: 15.362 min Scan# 3968

Delta R.T. -0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_1

ClientSampleId :

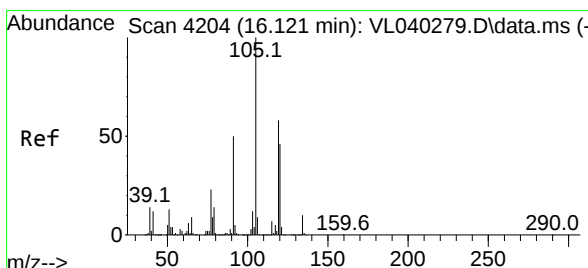
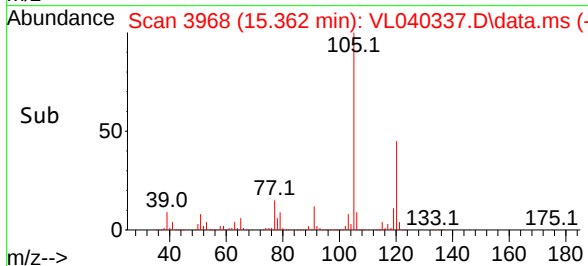
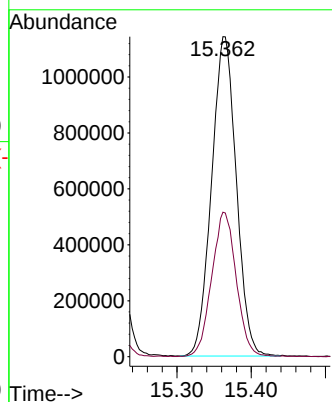
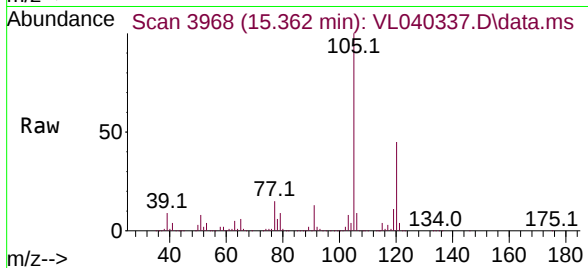
VL0412ABS01

Tgt Ion:105 Resp: 2643855

Ion Ratio Lower Upper

105 100

120 45.1 34.9 52.3



#74

1,2,4-Trimethylbenzene

Concen: 8.249 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. -0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Tgt Ion:105 Resp: 2914426

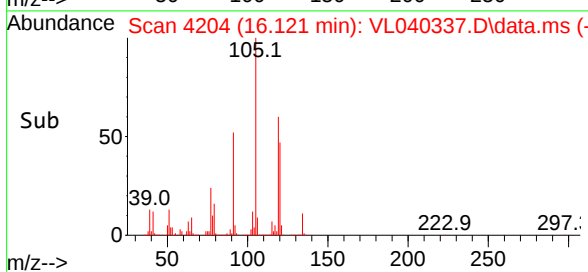
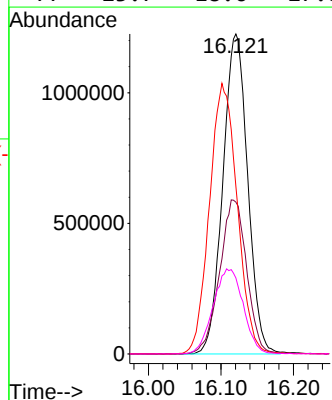
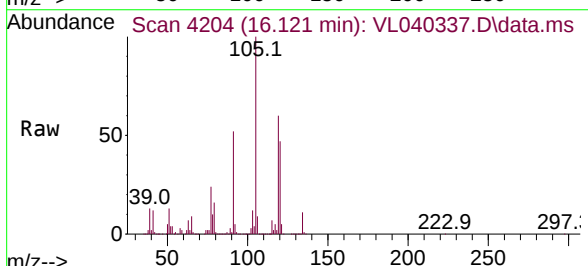
Ion Ratio Lower Upper

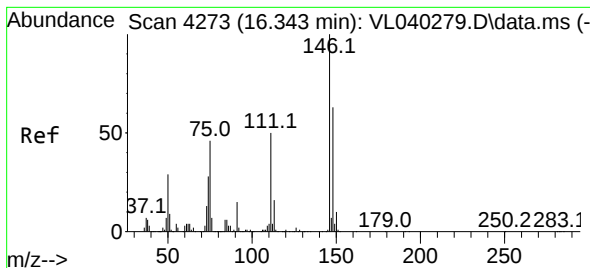
105 100

120 47.4 36.6 54.8

91 52.2 39.9 59.9

77 23.7 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 8.416 ppbv

RT: 16.342 min Scan# 41

Delta R.T. -0.001 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

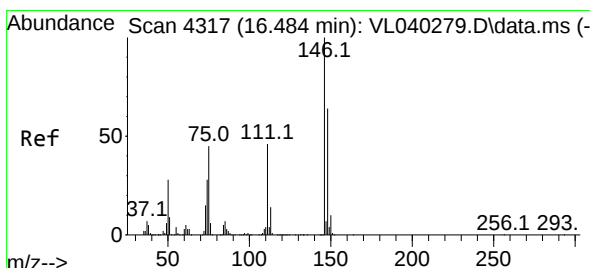
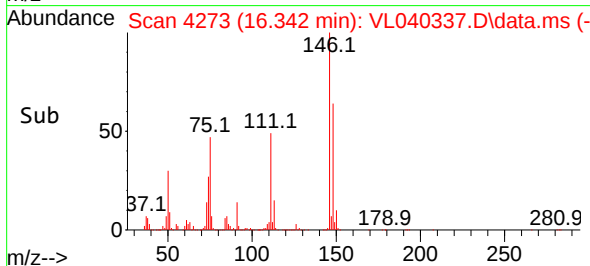
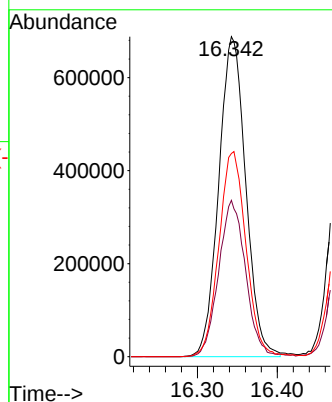
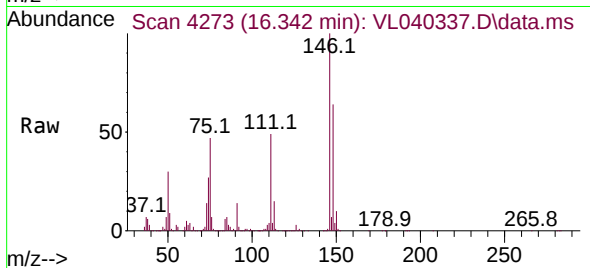
Tgt Ion:146 Resp: 1610485

Ion Ratio Lower Upper

146 100

111 48.9 24.3 73.0

148 64.5 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 8.638 ppbv

RT: 16.487 min Scan# 4318

Delta R.T. 0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

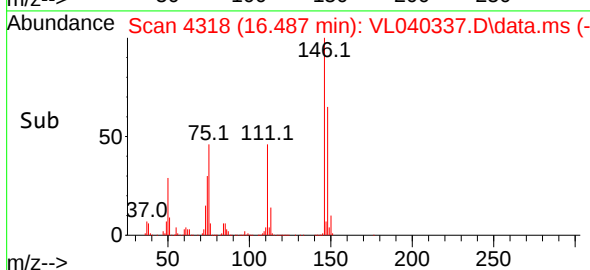
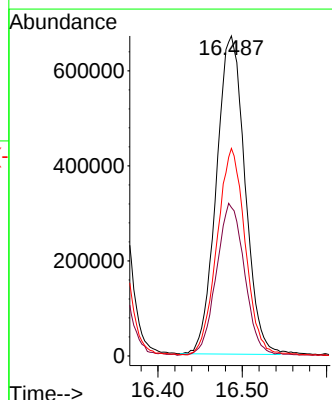
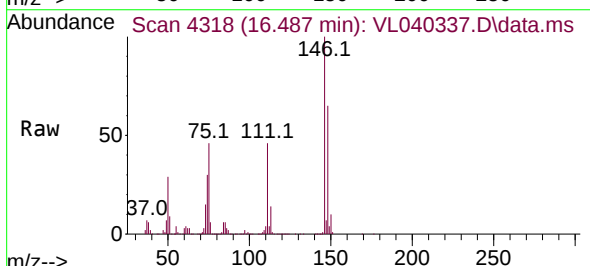
Tgt Ion:146 Resp: 1576428

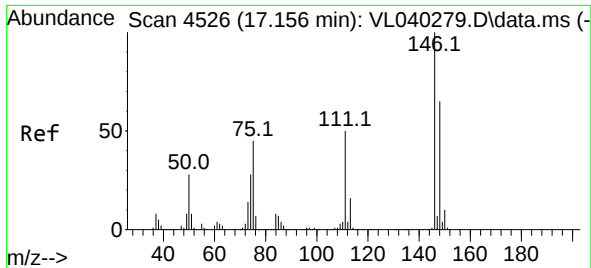
Ion Ratio Lower Upper

146 100

111 47.9 23.8 71.2

148 64.9 32.5 97.5

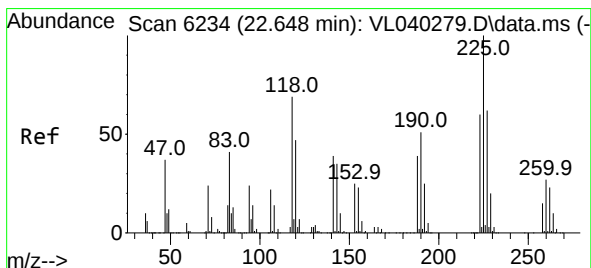
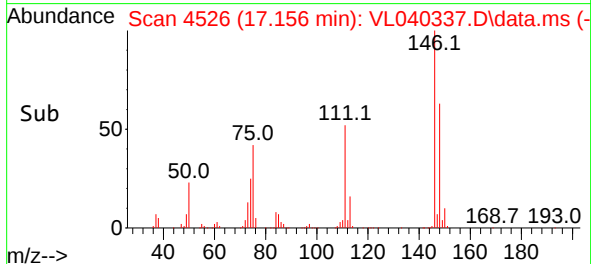
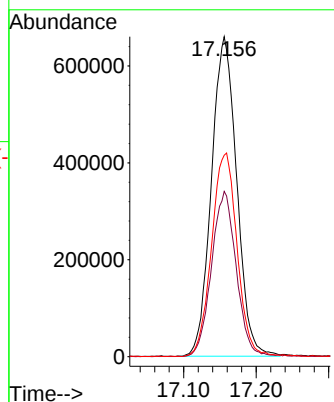
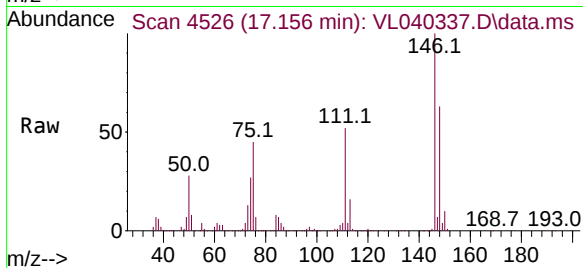




#77
1,2-Dichlorobenzene
Concen: 8.690 ppbv
RT: 17.156 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

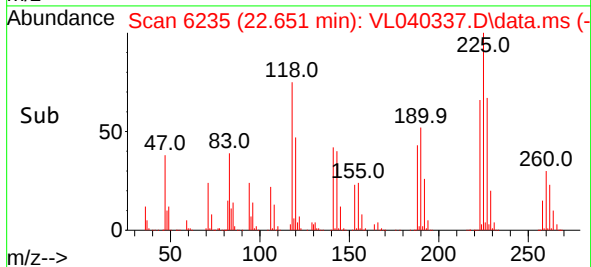
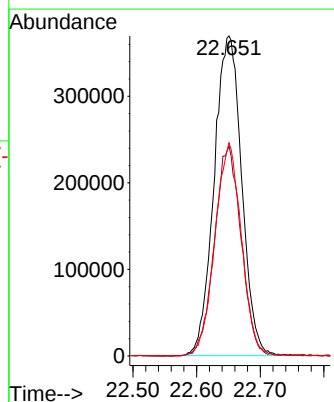
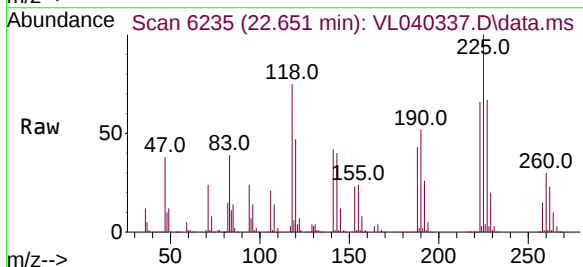
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

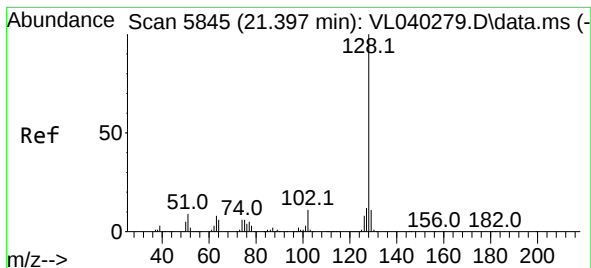
Tgt Ion:146 Resp: 1598246
Ion Ratio Lower Upper
146 100
111 50.9 25.2 75.6
148 64.4 32.1 96.3



#78
Hexachloro-1,3-Butadiene
Concen: 8.249 ppbv
RT: 22.651 min Scan# 6235
Delta R.T. 0.003 min
Lab File: VL040337.D
Acq: 12 Apr 2023 12:39

Tgt Ion:225 Resp: 1112710
Ion Ratio Lower Upper
225 100
223 63.8 51.0 76.6
227 64.1 51.4 77.2





#79

Naphthalene

Concen: 11.120 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_1

ClientSampleId :

VL0412ABS01

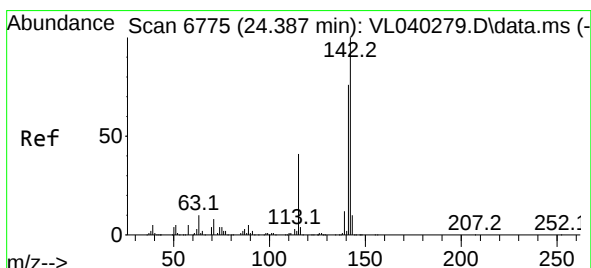
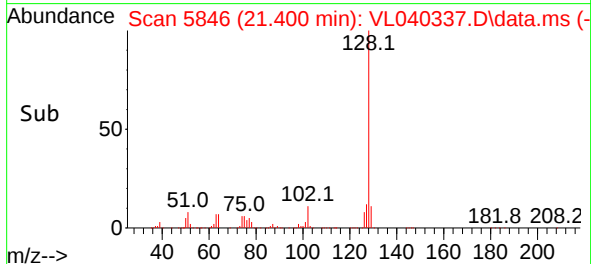
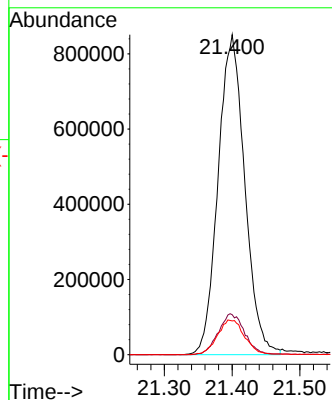
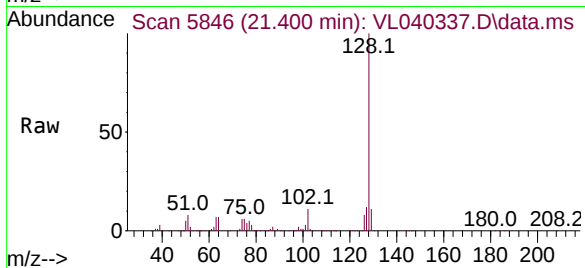
Tgt Ion:128 Resp: 2324205

Ion Ratio Lower Upper

128 100

127 12.5 9.6 14.4

129 10.6 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 7.376 ppbv

RT: 24.384 min Scan# 6774

Delta R.T. -0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

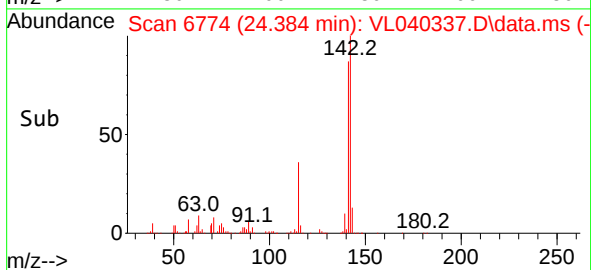
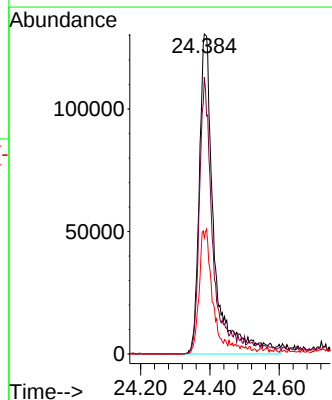
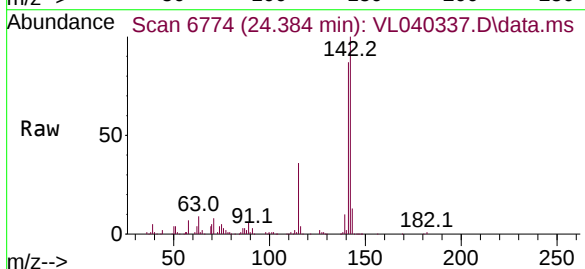
Tgt Ion:142 Resp: 390455

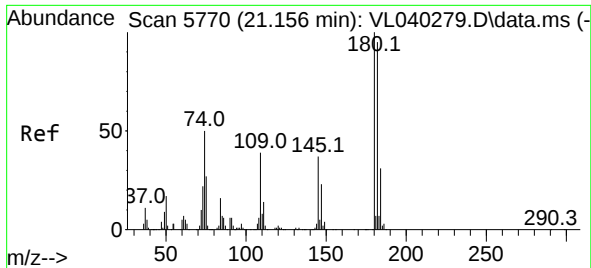
Ion Ratio Lower Upper

142 100

141 81.7 65.5 98.3

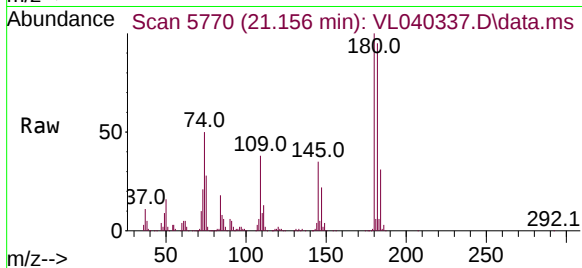
115 37.1 33.5 50.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.538 ppbv
 RT: 21.156 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL040337.D
 Acq: 12 Apr 2023 12:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01



Tgt Ion:180 Resp: 1227810

Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.1	114.1
184	30.8	24.4	36.6

