

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040917.D
 Acq On : 20 Dec 2023 13:02
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 21 07:09:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:06:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1243671	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3115772	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2747752	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	2024558	10.003	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	129775	0.548	ppbv	96
3) Chlorodifluoromethane	2.681	51	102757	0.549	ppbv	99
4) Chloromethane	2.816	50	37032	0.537	ppbv #	87
5) Vinyl Chloride	2.922	62	34252	0.533	ppbv #	88
6) Bromomethane	3.118	94	7688	0.261	ppbv	89
7) Chloroethane	3.195	64	12865	0.542	ppbv	89
8) Dichlorotetrafluoroethane	2.861	85	91730	0.537	ppbv	99
9) Propene	2.700	41	31685	0.513	ppbv	93
10) Heptane	7.561	43	76929	0.501	ppbv	97
11) Trichlorofluoromethane	3.558	101	96882	0.523	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.060	101	72429	0.504	ppbv	94
13) Ethanol	3.256	45	9490	0.688	ppbv	80
14) Bromoethene	3.365	108	26200	0.497	ppbv #	89
15) Acetone	3.481	43	85375	0.572	ppbv	95
16) 1,3-Butadiene	2.989	39	29565	0.460	ppbv	86
17) tert-Butyl alcohol	3.893	59	58903	0.534	ppbv	99
18) 1,1-Dichloroethene	3.870	96	31386	0.529	ppbv #	80
19) Isopropyl Alcohol	3.594	45	40739	0.517	ppbv #	95
20) Methylene Chloride	3.931	84	29582	0.551	ppbv	85
21) Allyl Chloride	3.992	41	42042	0.477	ppbv	91
22) trans-1,2-Dichloroethene	4.439	96	27904	0.408	ppbv	90
23) Vinyl Acetate	4.626	43	67632	0.401	ppbv #	93
24) 1,1-Dichloroethane	4.555	63	65821	0.447	ppbv	99
25) Ethyl Acetate	5.201	43	130378	0.504	ppbv	99
26) Hexane	5.201	57	58338	0.506	ppbv	94
27) Carbon Disulfide	4.118	76	69361	0.447	ppbv #	76
28) Methyl tert-Butyl Ether	4.587	73	47897	0.451	ppbv	93
29) Chloroform	5.262	83	99460	0.515	ppbv	98
30) Cyclohexane	6.587	84	46565	0.488	ppbv	90
31) cis-1,2-Dichloroethene	5.066	61	57572	0.489	ppbv	92
32) 1,1,1-Trichloroethane	5.986	97	96530	0.524	ppbv	97
34) 2-Butanone	4.790	43	78855	0.478	ppbv	95
35) Carbon Tetrachloride	6.475	117	97100	0.496	ppbv	89
36) Benzene	6.352	78	122609	0.503	ppbv	98
37) 1,2-Dichloroethane	5.790	62	74575	0.511	ppbv	100
38) Trichloroethene	7.272	130	46084	0.492	ppbv	95
39) 1,2-Dichloropropane	7.044	63	17261	0.180	ppbv	97
40) 1,4-Dioxane	7.243	88	290	0.007	ppbv #	1
41) Tetrahydrofuran	5.568	42	35117	0.351	ppbv #	73
42) Bromodichloromethane	7.230	83	104690	0.497	ppbv #	95
43) Methyl Methacrylate	7.455	69	19070	0.201	ppbv #	1
44) 2,2,4-Trimethylpentane	7.304	57	212805	0.514	ppbv	98
45) t-1,3-Dichloropropene	8.690	75	27222	0.387	ppbv	90

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

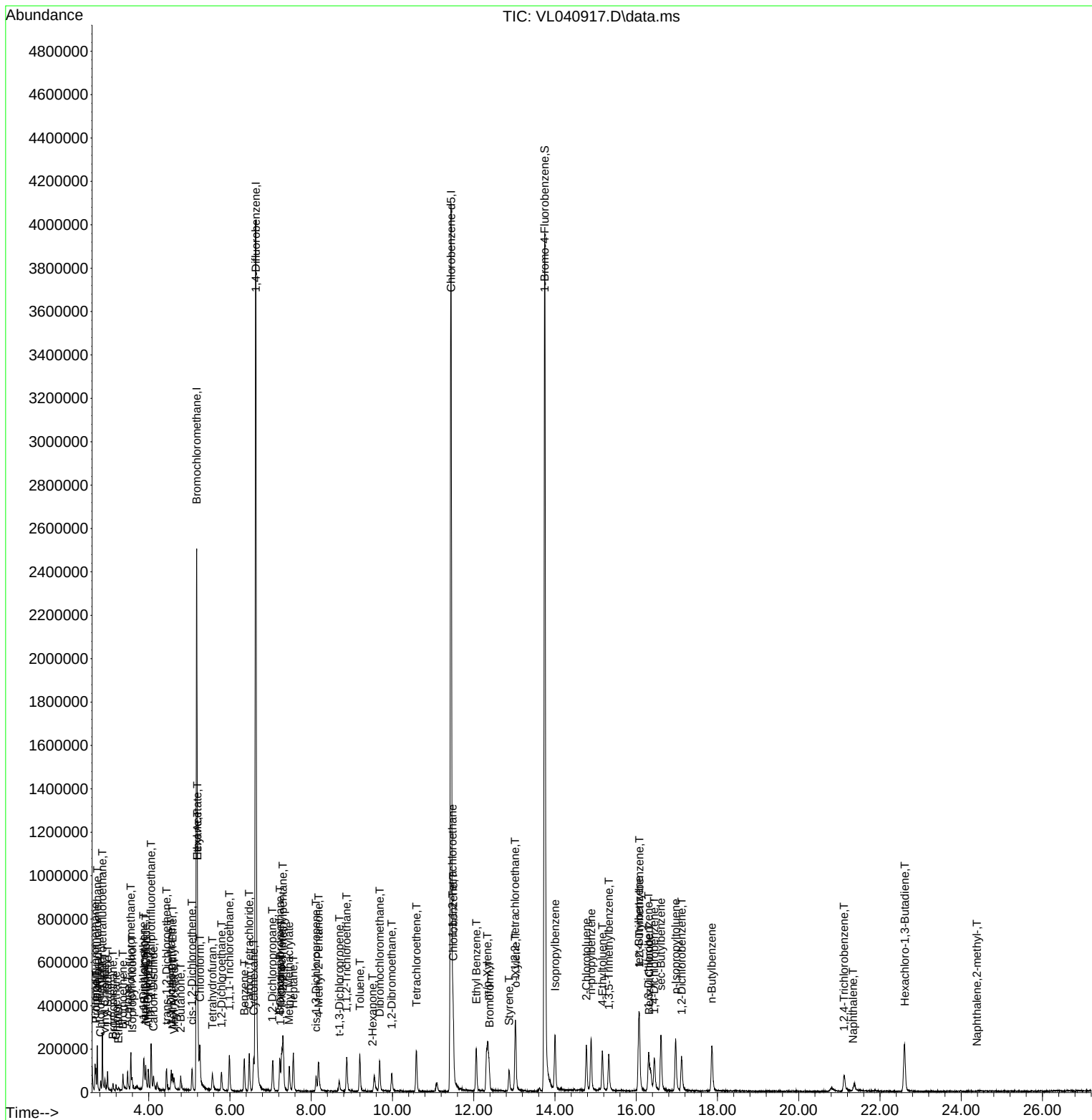
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 ClientSampleId :

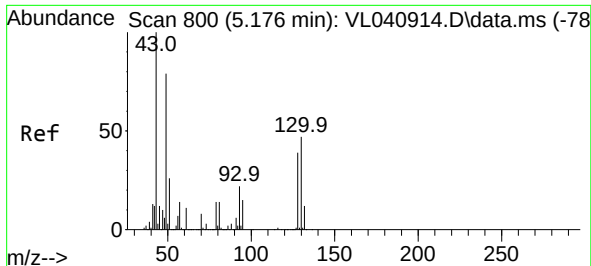
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:06:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.118	75	35452	0.404	ppbv #	93
47) 1,1,2-Trichloroethane	8.873	97	51499	0.501	ppbv	95
48) Dibromochloromethane	9.687	129	48282	0.278	ppbv #	41
49) Bromoform	12.391	173	16220	0.121	ppbv #	1
50) 4-Methyl-2-Pentanone	8.182	43	72751	0.291	ppbv #	55
51) 2-Hexanone	9.513	43	744	0.004	ppbv #	30
52) Tetrachloroethene	10.593	164	17923	0.218	ppbv #	70
53) Toluene	9.198	91	126163	0.464	ppbv	95
54) 1,2-Dibromoethane	9.983	107	36522	0.260	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.481	131	61690	0.513	ppbv #	1
57) Chlorobenzene	11.497	112	104892	0.517	ppbv #	92
58) Ethyl Benzene	12.063	91	103354	0.293	ppbv	90
59) m/p-Xylene	12.336	91	15715	0.052	ppbv #	100
60) o-Xylene	13.037	91	140792	0.498	ppbv	96
61) Styrene	12.870	104	36087	0.267	ppbv #	41
62) Isopropylbenzene	14.005	105	217085	0.518	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.021	83	109503	0.539	ppbv	94
64) n-propylbenzene	14.892	120	39352	0.372	ppbv #	11
65) tert-Butylbenzene	16.066	119	167377	0.462	ppbv	88
66) Benzyl Chloride	16.317	91	1627	0.066	ppbv #	54
67) sec-Butylbenzene	16.609	105	265337	0.512	ppbv	99
69) p-Isopropyltoluene	16.969	119	192278	0.478	ppbv	96
70) n-Butylbenzene	17.857	91	83039	0.199	ppbv #	31
71) 2-Chlorotoluene	14.773	91	163378	0.506	ppbv	100
72) 4-Ethyltoluene	15.166	105	150697	0.485	ppbv	97
73) 1,3,5-Trimethylbenzene	15.323	105	127779	0.477	ppbv	91
74) 1,2,4-Trimethylbenzene	16.076	105	149042	0.500	ppbv #	82
75) 1,3-Dichlorobenzene	16.304	146	46179	0.270	ppbv #	22
76) 1,4-Dichlorobenzene	16.442	146	80607	0.483	ppbv	97
77) 1,2-Dichlorobenzene	17.121	146	79864	0.484	ppbv	96
78) Hexachloro-1,3-Butadiene	22.612	225	16652	0.163	ppbv #	18
79) Naphthalene	21.336	128	3788	0.027	ppbv	96
80) Naphthalene,2-methyl-	24.387	142	1318	0.054	ppbv #	24
81) 1,2,4-Trichlorobenzene	21.114	180	14991	0.179	ppbv #	1

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

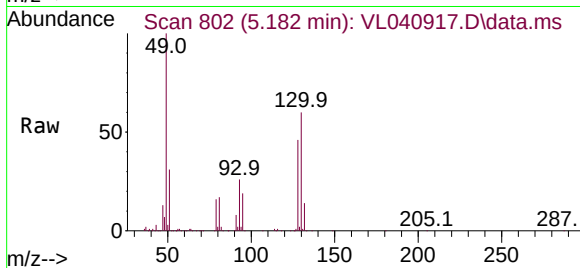
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QLast Update : Thu Dec 21 07:06:17 2023
Response via : Initial Calibration



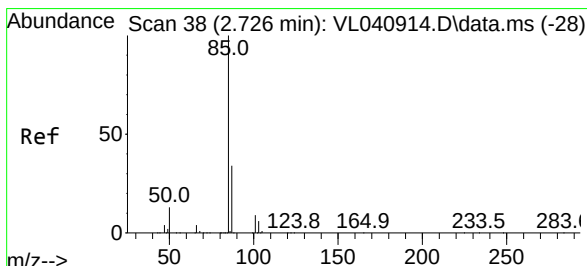
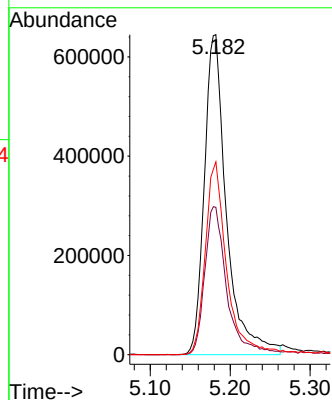
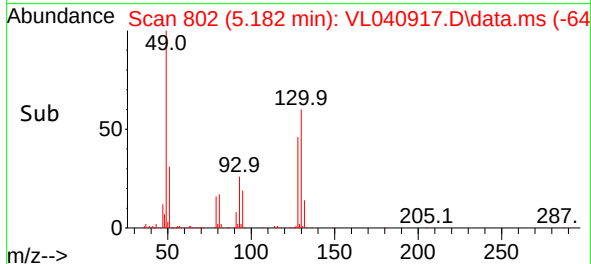


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.182 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

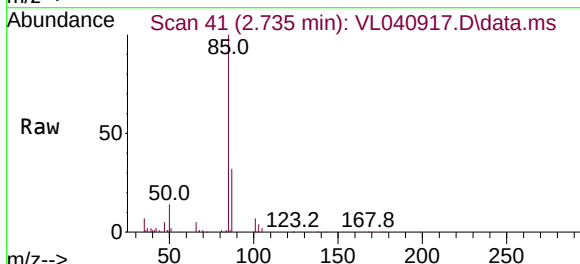
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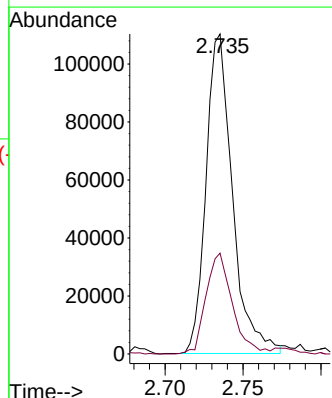
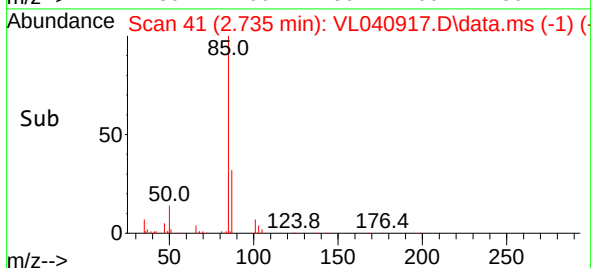
Tgt Ion: 49 Resp: 1243671
 Ion Ratio Lower Upper
 49 100
 128 47.9 23.8 71.2
 130 59.1 30.1 90.5

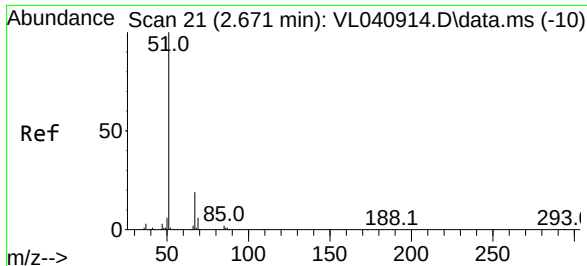


#2
 Dichlorodifluoromethane
 Concen: 0.548 ppbv
 RT: 2.735 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02



Tgt Ion: 85 Resp: 129775
 Ion Ratio Lower Upper
 85 100
 87 31.4 27.0 40.6

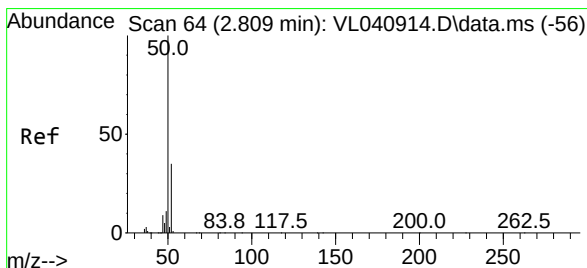
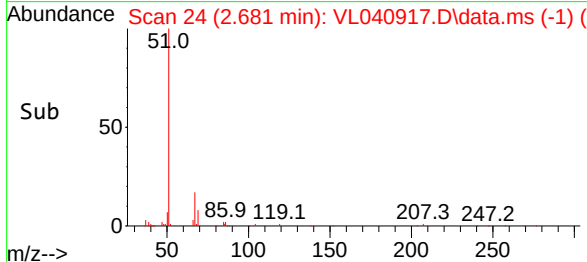
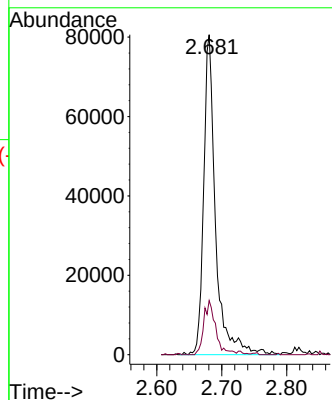
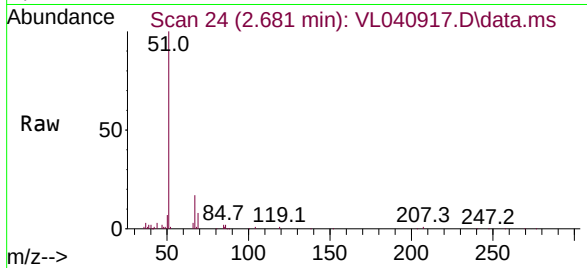




#3
Chlorodifluoromethane
Concen: 0.549 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.010 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

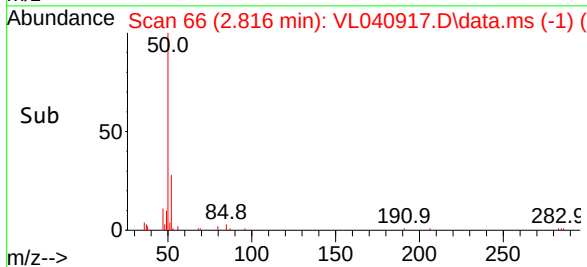
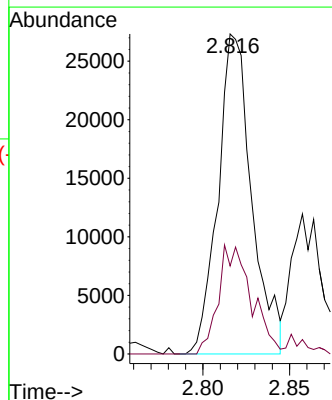
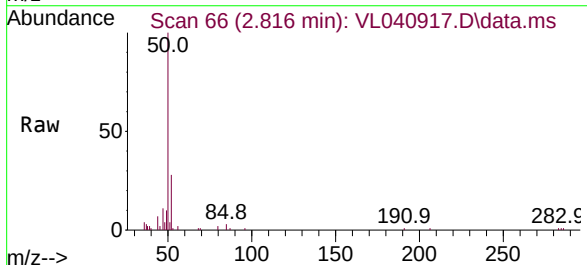
Instrument :
MSVOA_L
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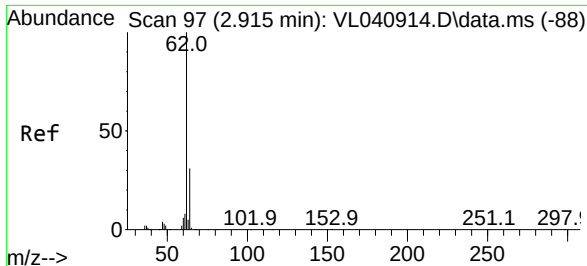
Tgt Ion: 51 Resp: 102757
Ion Ratio Lower Upper
51 100
67 17.8 14.7 22.1



#4
Chloromethane
Concen: 0.537 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 50 Resp: 37032
Ion Ratio Lower Upper
50 100
52 27.5 28.0 42.0#

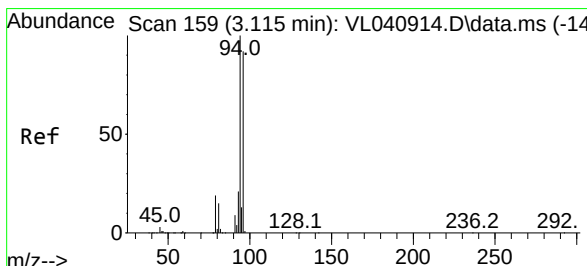
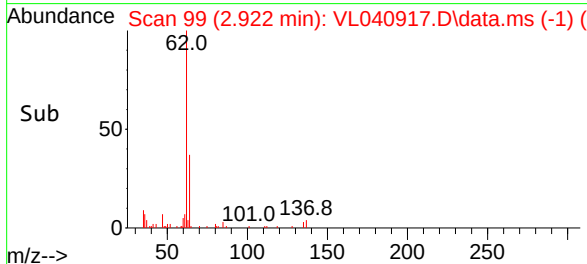
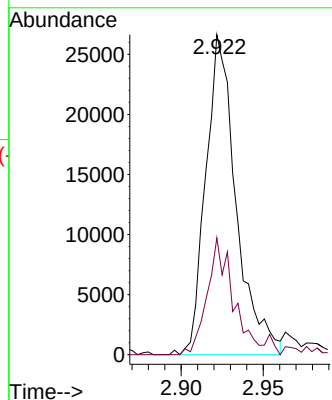
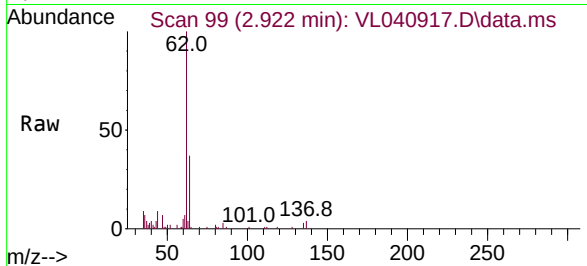




#5
 Vinyl Chloride
 Concen: 0.533 ppbv
 RT: 2.922 min Scan# 99
 Delta R.T. 0.006 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

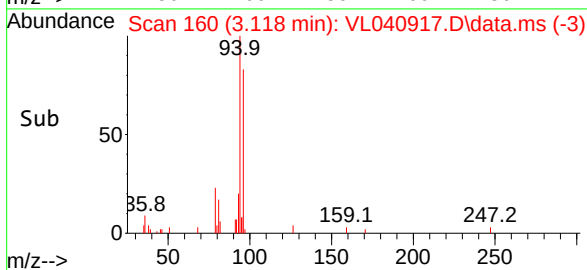
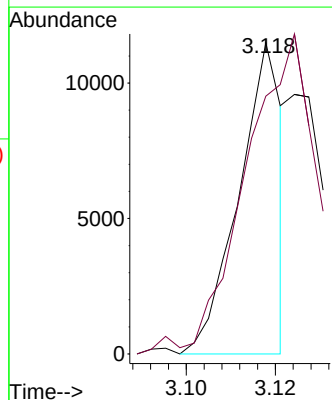
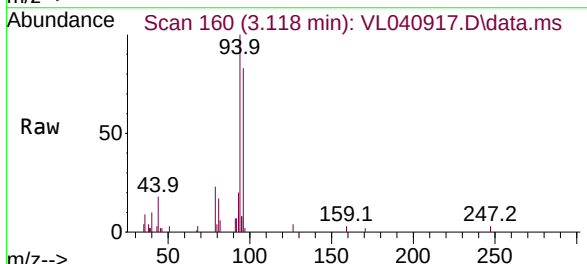
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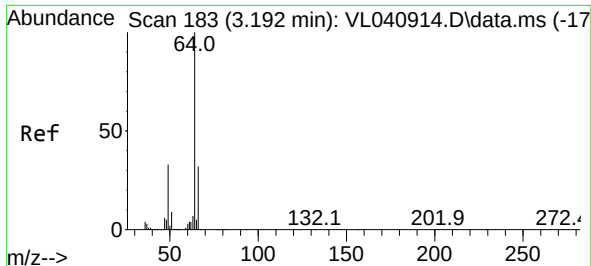
Tgt Ion: 62 Resp: 34252
 Ion Ratio Lower Upper
 62 100
 64 37.5 24.9 37.3#



#6
 Bromomethane
 Concen: 0.261 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

Tgt Ion: 94 Resp: 7688
 Ion Ratio Lower Upper
 94 100
 96 80.8 73.2 109.8

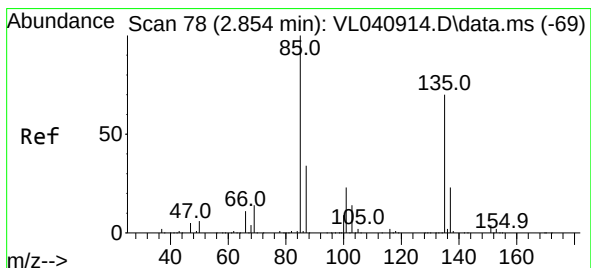
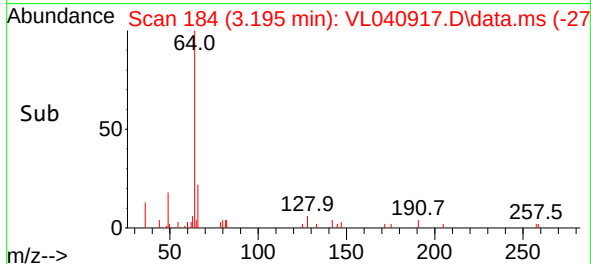
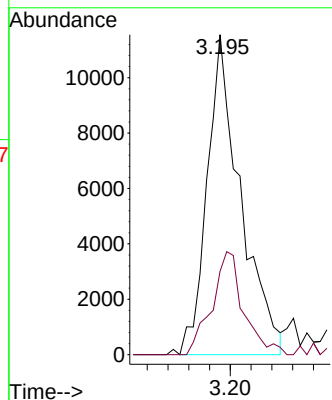
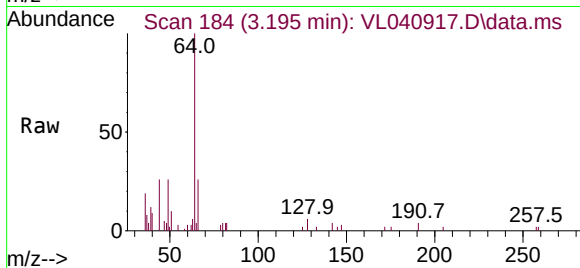




#7
Chloroethane
Concen: 0.542 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

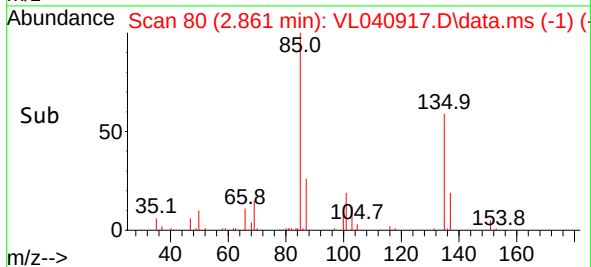
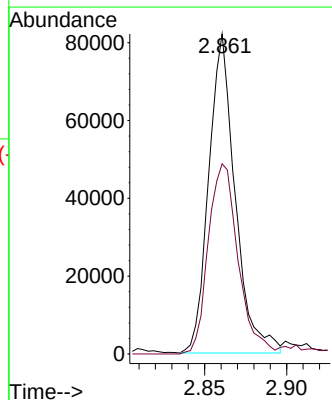
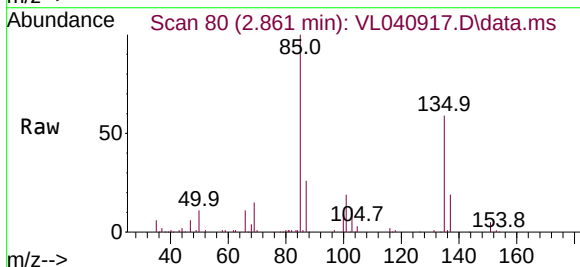
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ClientSampleId :

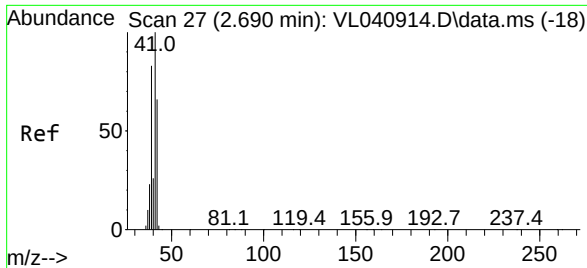
Tgt Ion: 64 Resp: 12865
Ion Ratio Lower Upper
64 100
66 26.1 25.7 38.5



#8
Dichlorotetrafluoroethane
Concen: 0.537 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 85 Resp: 91730
Ion Ratio Lower Upper
85 100
135 71.0 55.8 83.8

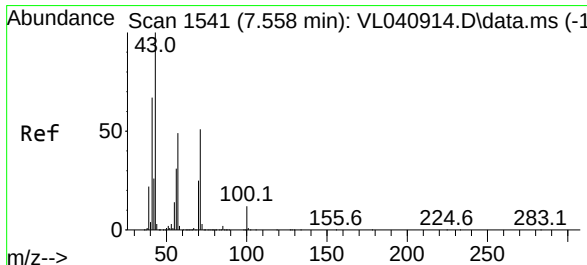
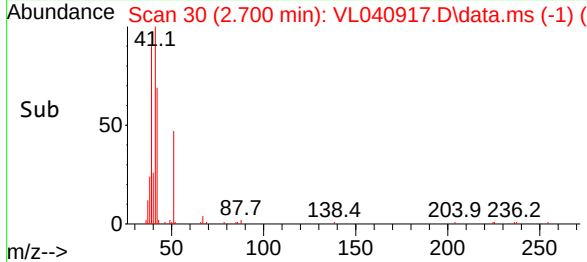
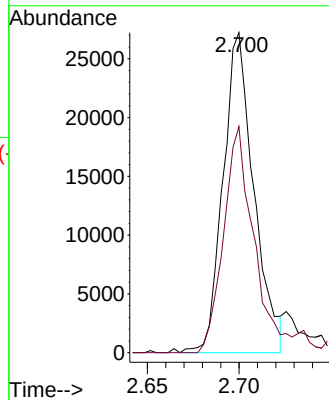
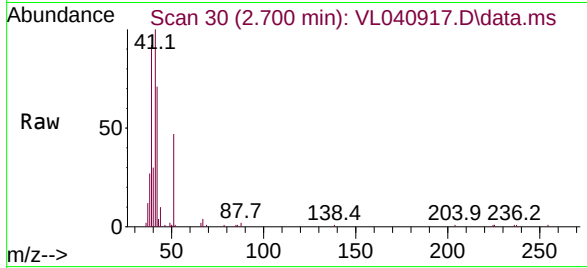




#9
 Propene
 Concen: 0.513 ppbv
 RT: 2.700 min Scan# 30
 Delta R.T. 0.010 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

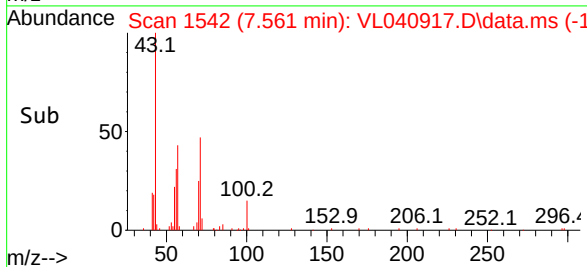
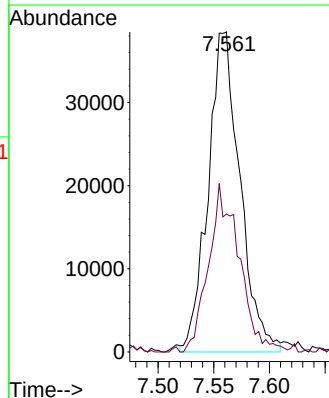
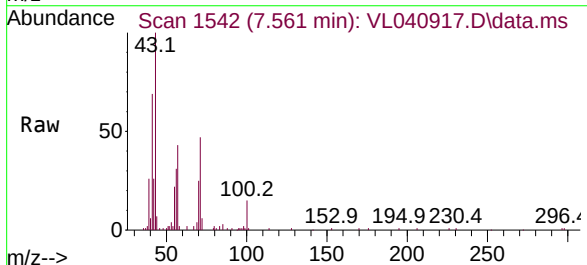
Instrument :
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 ClientSampleId :

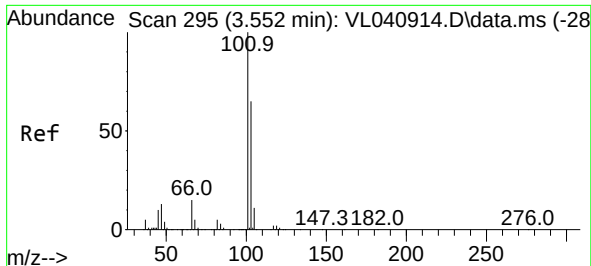
Tgt Ion: 41 Resp: 31685
 Ion Ratio Lower Upper
 41 100
 42 75.7 55.8 83.6



#10
 Heptane
 Concen: 0.501 ppbv
 RT: 7.561 min Scan# 1542
 Delta R.T. 0.003 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

Tgt Ion: 43 Resp: 76929
 Ion Ratio Lower Upper
 43 100
 57 51.0 39.3 58.9

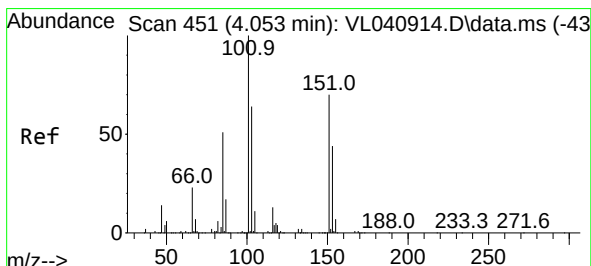
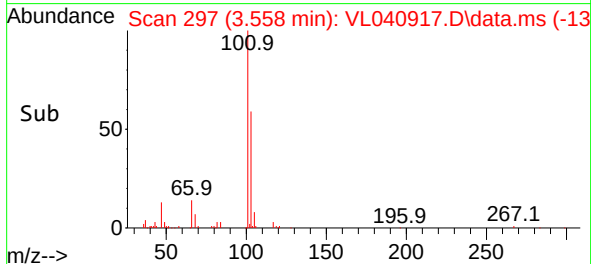
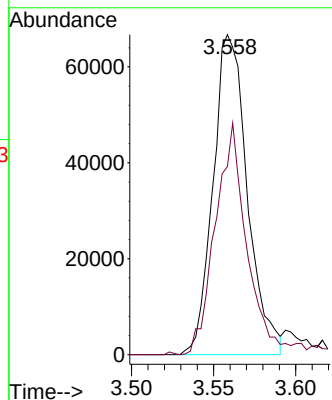
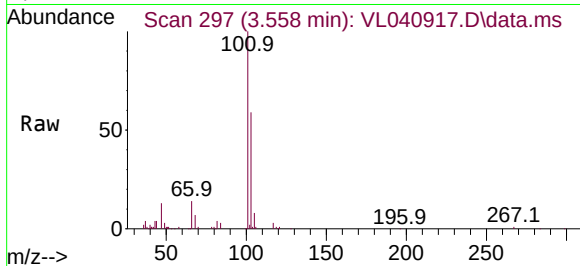




#11
Trichlorofluoromethane
Concen: 0.523 ppbv
RT: 3.558 min Scan# 295
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

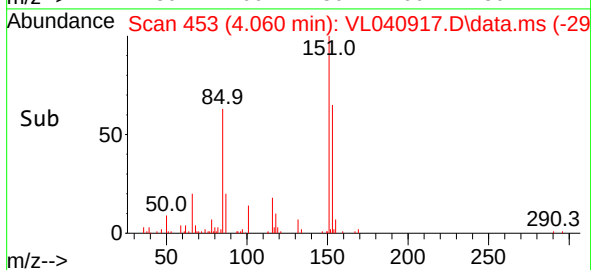
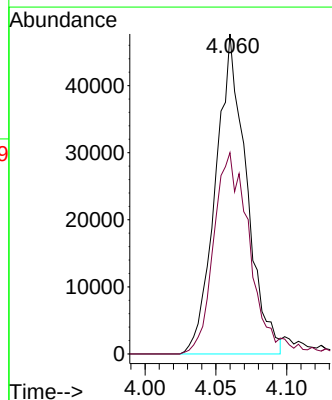
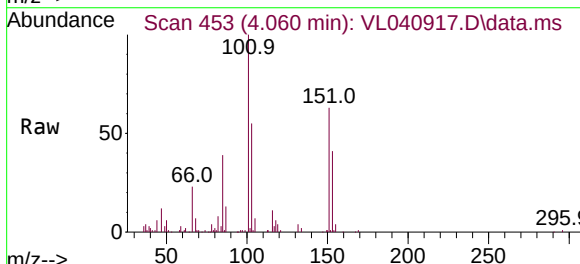
Instrument :
MSVOA_L
ClientSampleId :

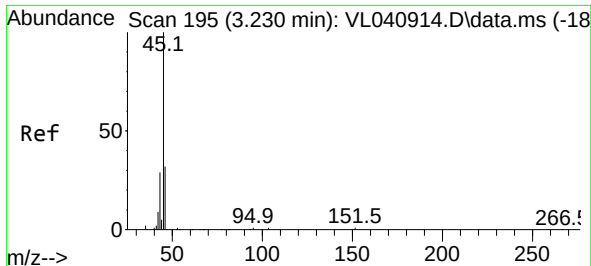
Tgt Ion:101 Resp: 96882
Ion Ratio Lower Upper
101 100
103 58.8 51.9 77.9



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.504 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion:101 Resp: 72429
Ion Ratio Lower Upper
101 100
151 74.4 55.8 83.8

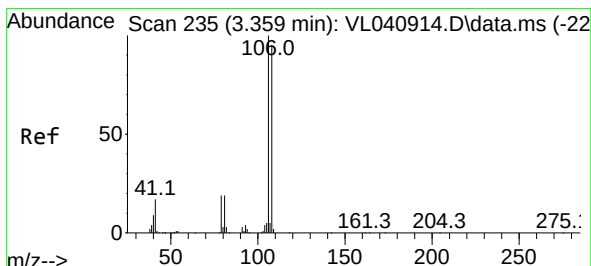
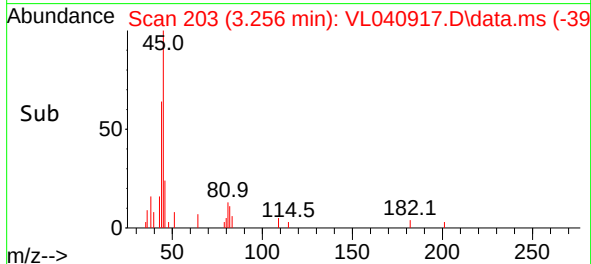
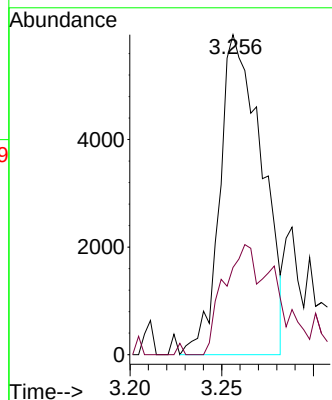
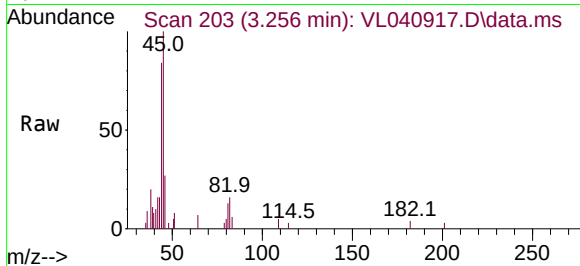




#13
Ethanol
Concen: 0.688 ppbv
RT: 3.256 min Scan# 20
Delta R.T. 0.026 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

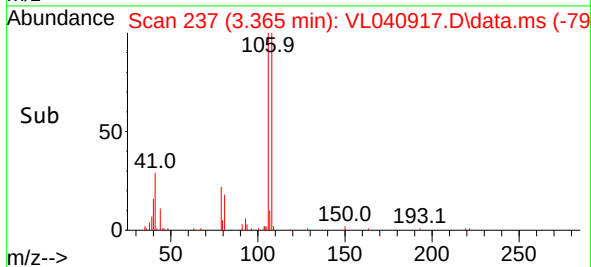
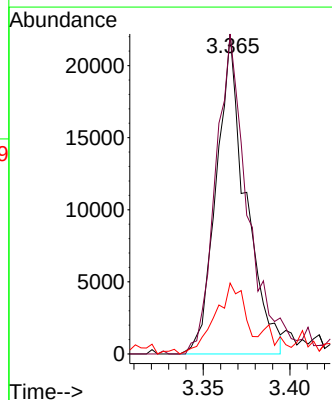
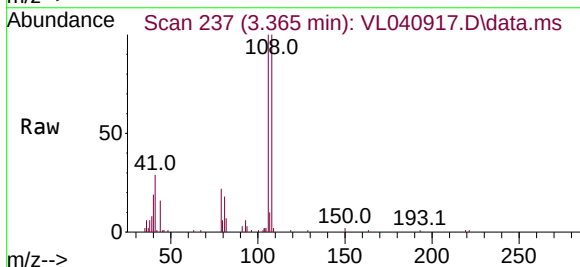
Instrument :
MSVOA_L
ClientSampleId :

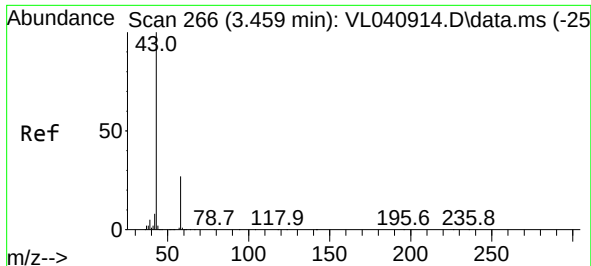
Tgt Ion: 45 Resp: 9490
Ion Ratio Lower Upper
45 100
46 49.6 15.0 60.0



#14
Bromoethene
Concen: 0.497 ppbv
RT: 3.365 min Scan# 237
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion:108 Resp: 26200
Ion Ratio Lower Upper
108 100
106 117.4 87.5 131.3
79 34.8 16.6 24.8#

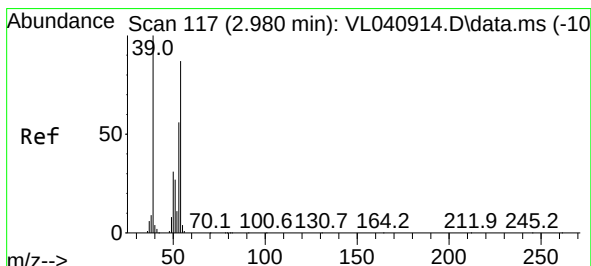
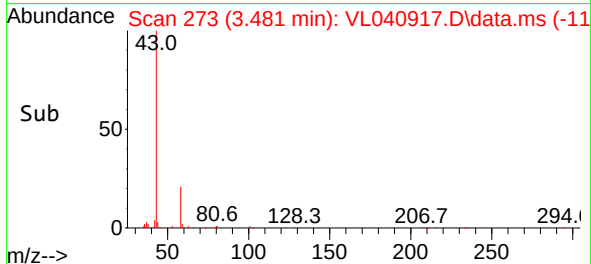
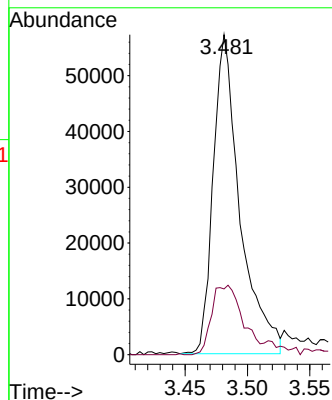
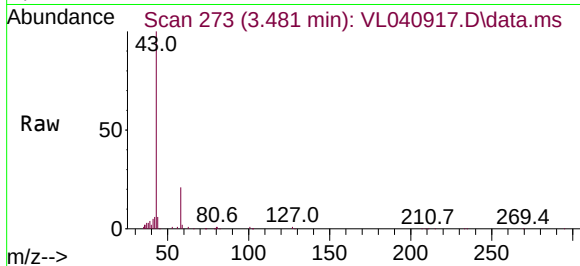




#15
Acetone
Concen: 0.572 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

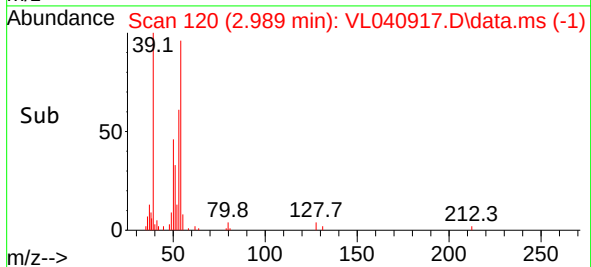
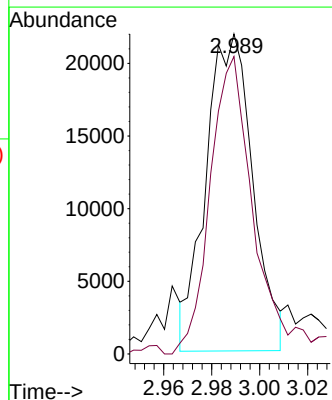
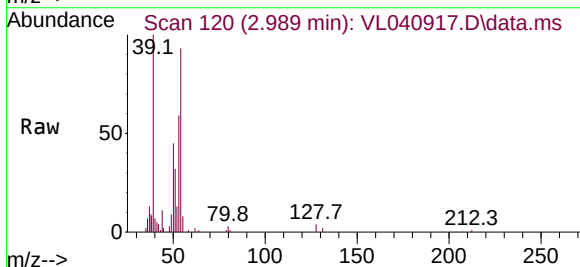
Instrument :
MSVOA_L
ClientSampleId :

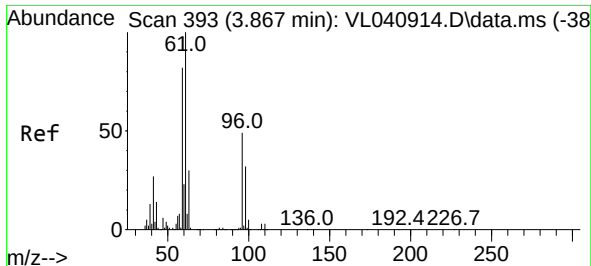
Tgt Ion: 43 Resp: 85375
Ion Ratio Lower Upper
43 100
58 28.2 20.6 30.8



#16
1,3-Butadiene
Concen: 0.460 ppbv
RT: 2.989 min Scan# 120
Delta R.T. 0.010 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 39 Resp: 29565
Ion Ratio Lower Upper
39 100
54 92.1 63.8 95.6





#17

tert-Butyl alcohol

Concen: 0.534 ppbv

RT: 3.893 min Scan# 401

Delta R.T. 0.026 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

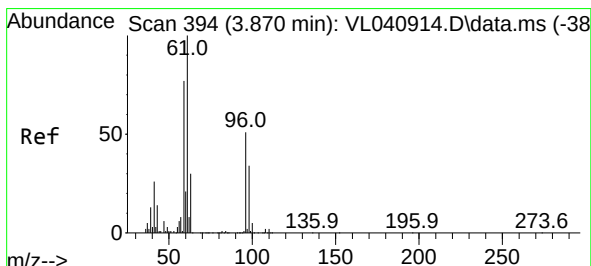
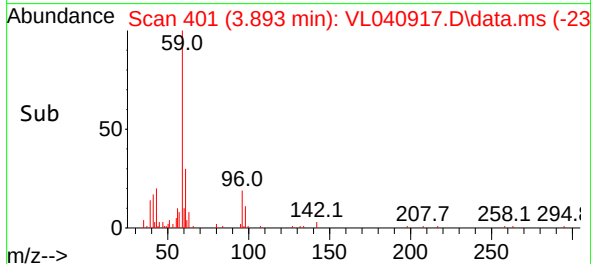
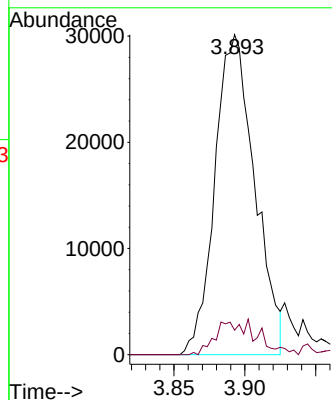
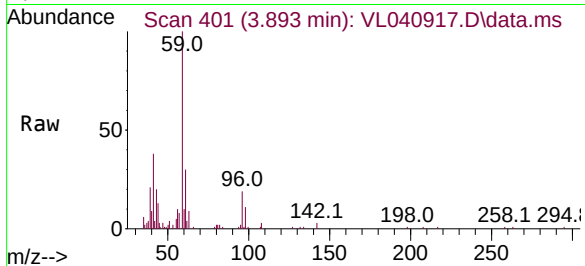
ClientSampleId :

Tgt Ion: 59 Resp: 58903

Ion Ratio Lower Upper

59 100

57 10.8 8.3 12.5



#18

1,1-Dichloroethene

Concen: 0.529 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.000 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

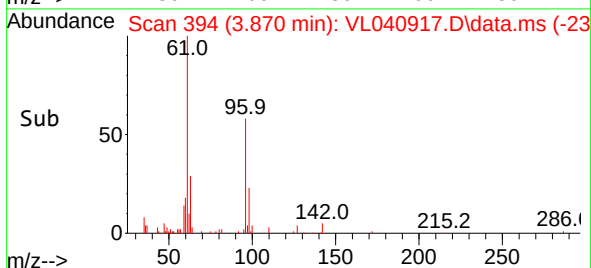
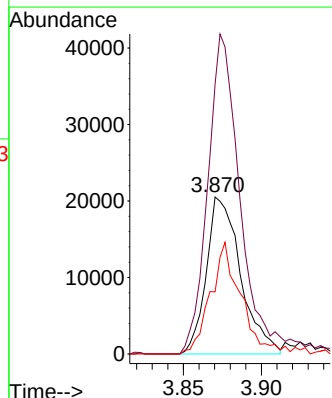
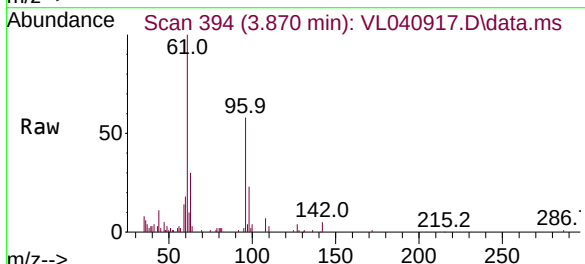
Tgt Ion: 96 Resp: 31386

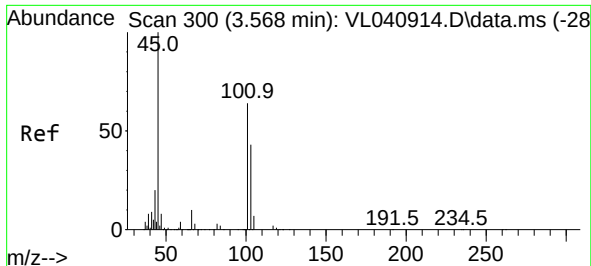
Ion Ratio Lower Upper

96 100

61 171.6 156.6 235.0

98 39.5 52.5 78.7#





#19

Isopropyl Alcohol

Concen: 0.517 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.026 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

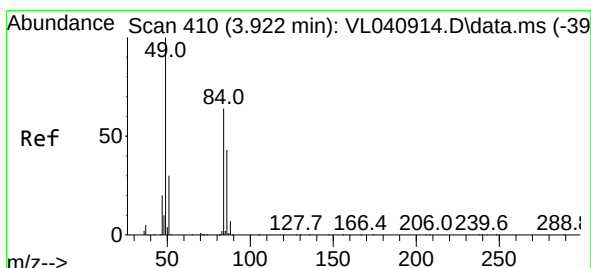
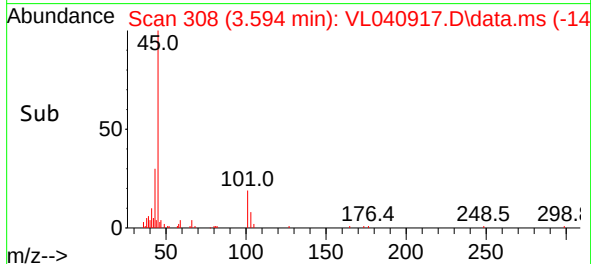
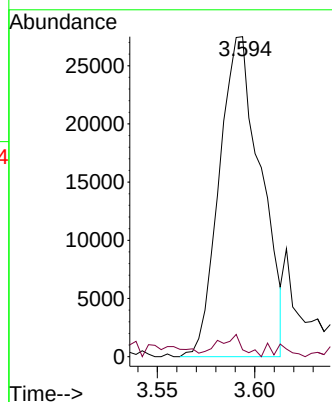
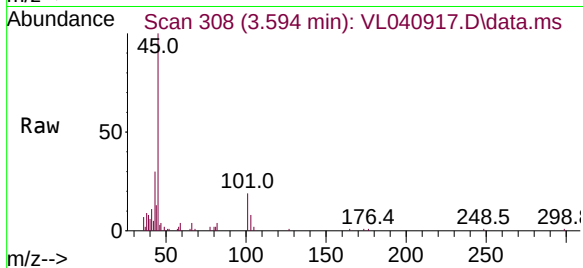
ClientSampleId :

Tgt Ion: 45 Resp: 40739

Ion Ratio Lower Upper

45 100

58 3.8 1.5 2.3#



#20

Methylene Chloride

Concen: 0.551 ppbv

RT: 3.931 min Scan# 413

Delta R.T. 0.010 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Tgt Ion: 84 Resp: 29582

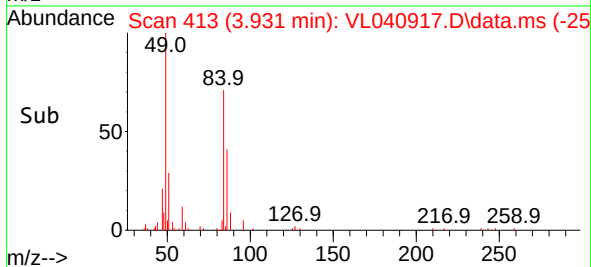
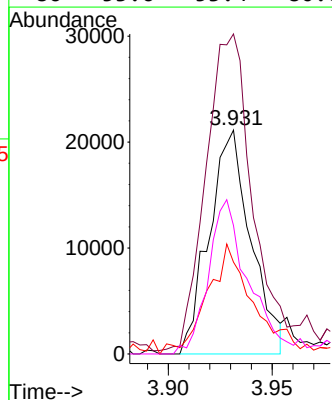
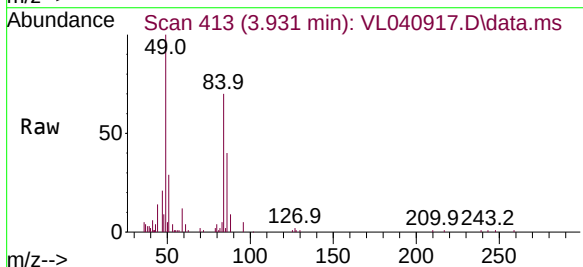
Ion Ratio Lower Upper

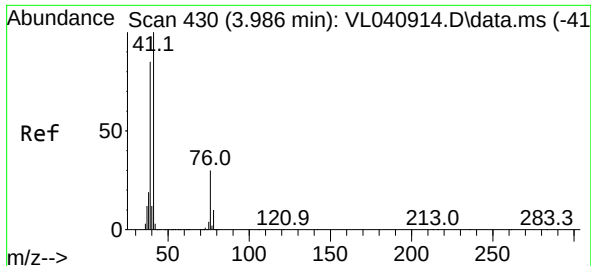
84 100

49 136.5 124.6 187.0

51 38.2 37.2 55.8

86 53.6 53.4 80.0





#21

Allyl Chloride

Concen: 0.477 ppbv

RT: 3.992 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

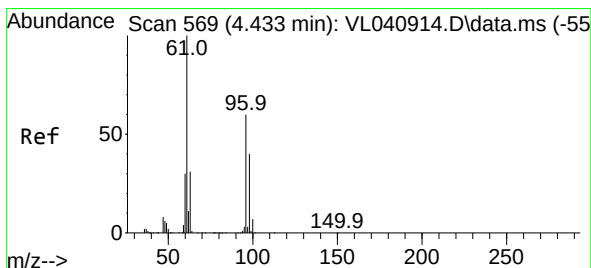
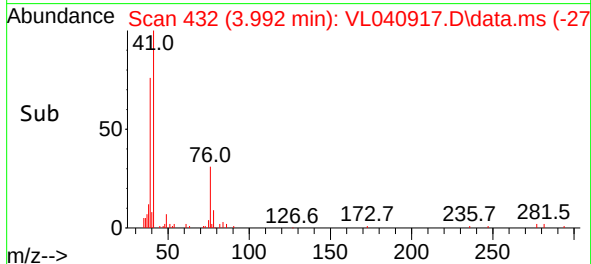
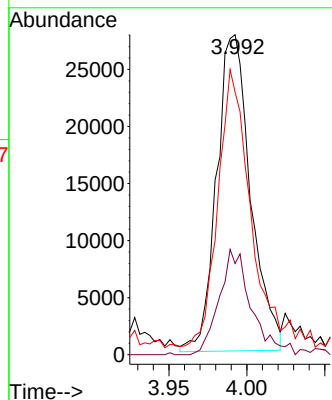
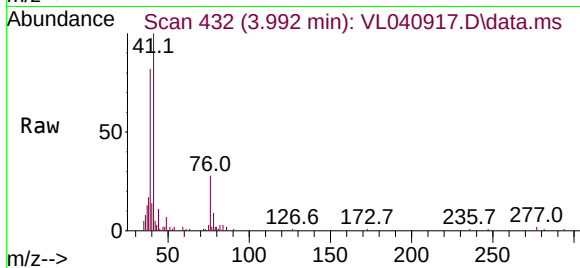
Tgt Ion: 41 Resp: 42042

Ion Ratio Lower Upper

41 100

76 31.7 23.9 35.9

39 93.3 66.5 99.7



#22

trans-1,2-Dichloroethene

Concen: 0.408 ppbv

RT: 4.439 min Scan# 571

Delta R.T. 0.006 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

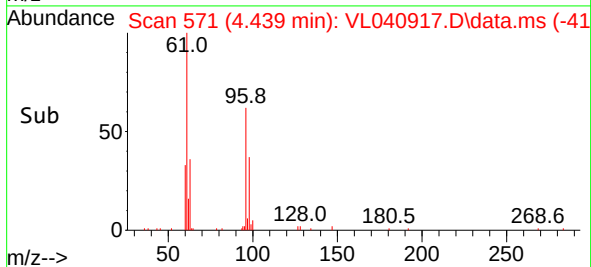
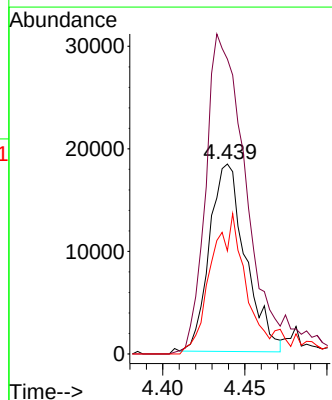
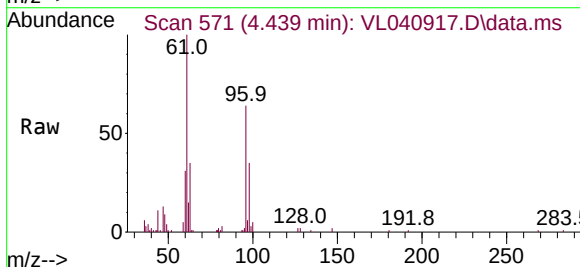
Tgt Ion: 96 Resp: 27904

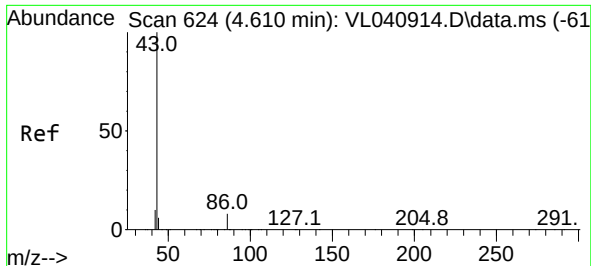
Ion Ratio Lower Upper

96 100

61 155.8 133.0 199.6

98 55.1 53.7 80.5

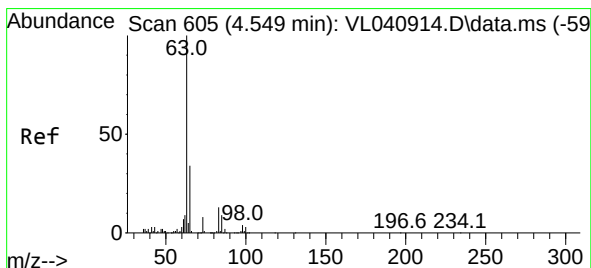
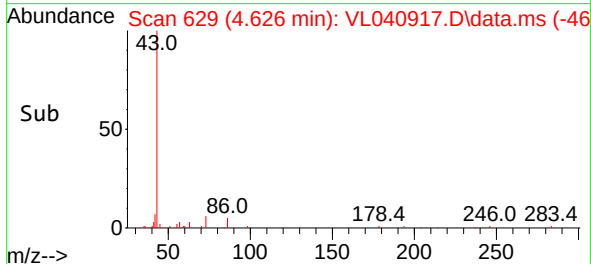
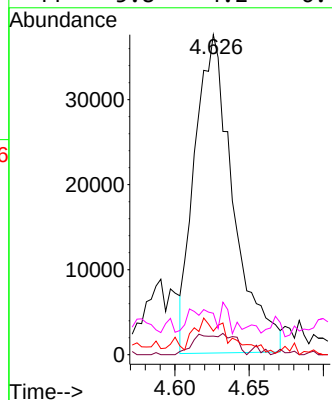
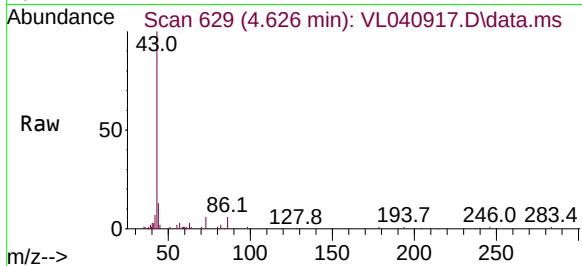




#23
 Vinyl Acetate
 Concen: 0.401 ppbv
 RT: 4.626 min Scan# 61
 Delta R.T. 0.016 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

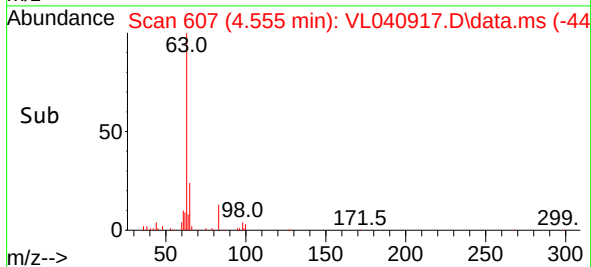
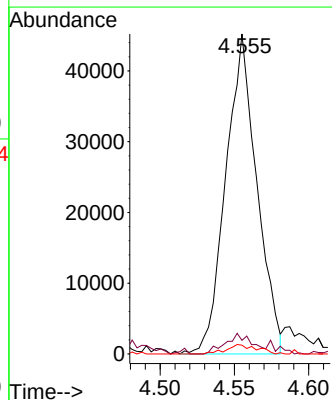
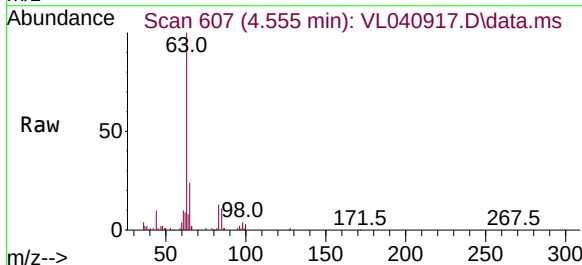
Instrument :
 MSVOA_L
 ClientSampleId :

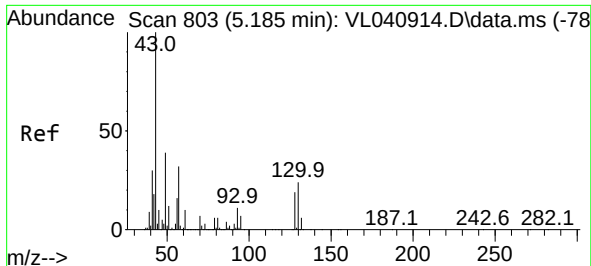
Tgt Ion:	43	Resp:	67632
Ion	Ratio	Lower	Upper
43	100		
86	4.8	5.5	8.3#
42	6.7	8.4	12.6#
44	5.8	4.2	6.4



#24
 1,1-Dichloroethane
 Concen: 0.447 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. 0.006 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

Tgt Ion:	63	Resp:	65821
Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.1	6.5
100	2.8	1.4	4.2





#25

Ethyl Acetate

Concen: 0.504 ppbv

RT: 5.201 min Scan# 808

Delta R.T. 0.016 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 130378

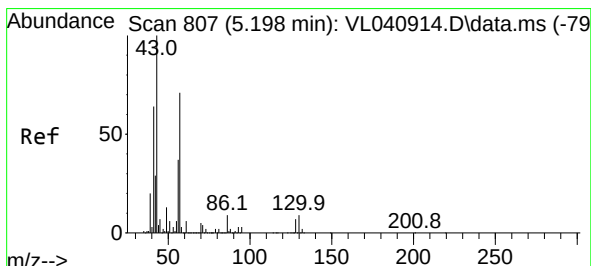
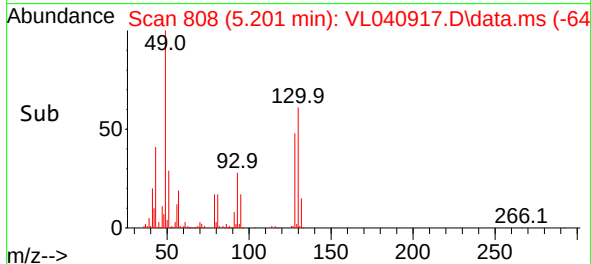
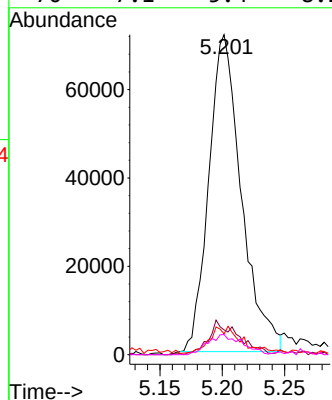
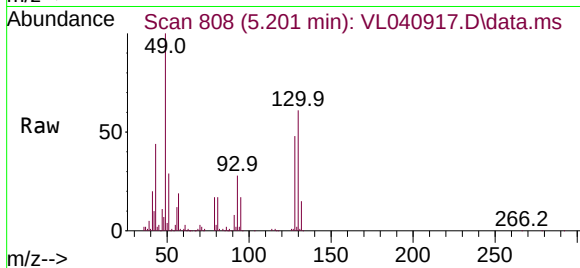
Ion Ratio Lower Upper

43 100

45 11.0 8.2 12.2

61 9.9 7.6 11.4

70 7.1 5.4 8.2



#26

Hexane

Concen: 0.506 ppbv

RT: 5.201 min Scan# 808

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Tgt Ion: 57 Resp: 58338

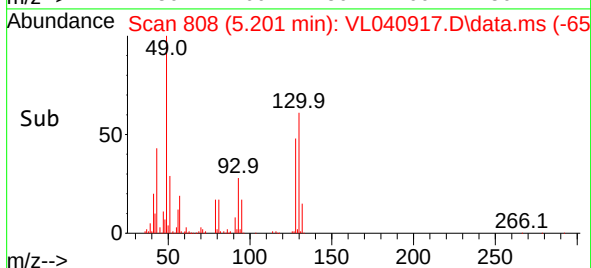
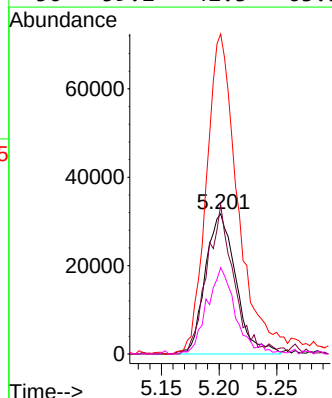
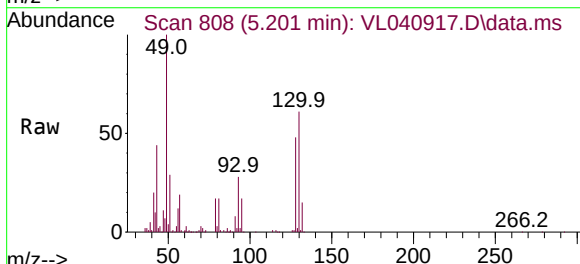
Ion Ratio Lower Upper

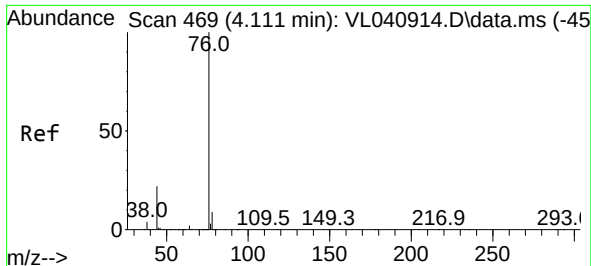
57 100

41 98.2 75.2 112.8

43 245.2 188.0 282.0

56 59.2 42.3 63.5

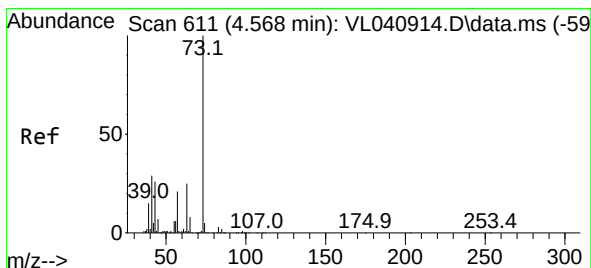
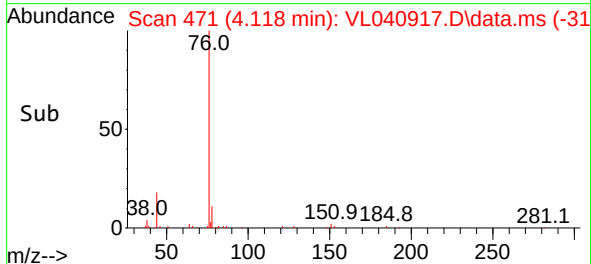
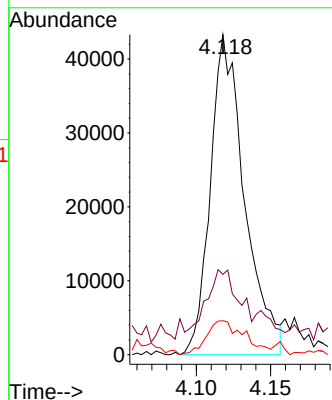
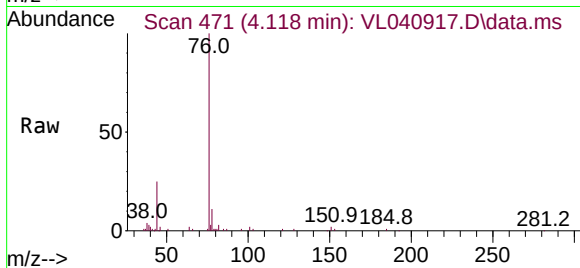




#27
Carbon Disulfide
Concen: 0.447 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

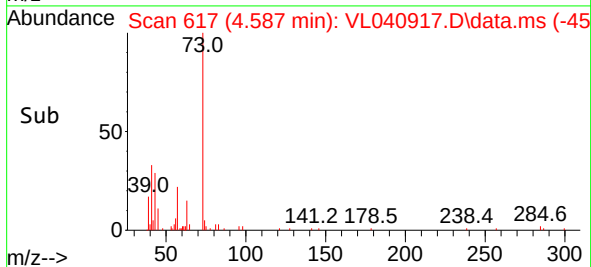
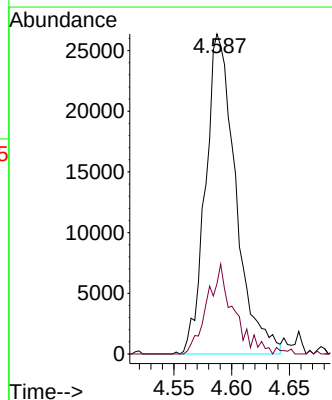
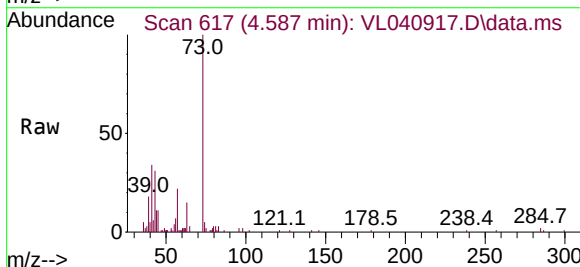
Instrument :
MSVOA_L
ClientSampleId :

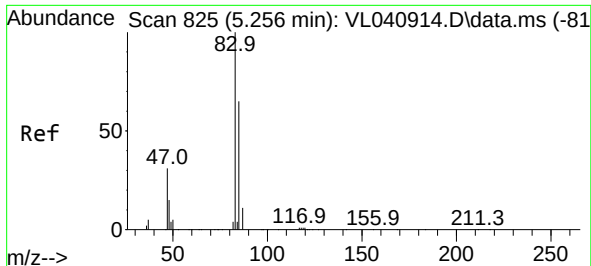
Tgt Ion: 76 Resp: 69361
Ion Ratio Lower Upper
76 100
44 37.5 18.4 27.6#
78 14.1 7.9 11.9#



#28
Methyl tert-Butyl Ether
Concen: 0.451 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.019 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 73 Resp: 47897
Ion Ratio Lower Upper
73 100
57 25.7 18.0 27.0





#29

Chloroform

Concen: 0.515 ppbv

RT: 5.262 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

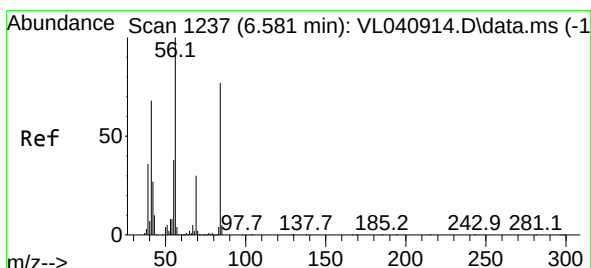
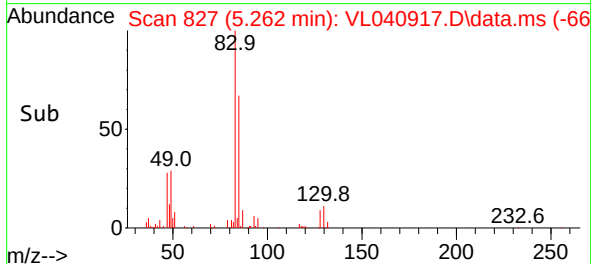
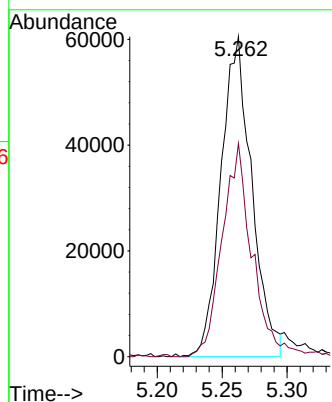
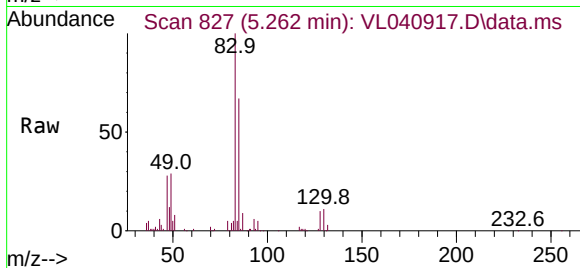
ClientSampleId :

Tgt Ion: 83 Resp: 99460

Ion Ratio Lower Upper

83 100

85 66.7 52.3 78.5



#30

Cyclohexane

Concen: 0.488 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

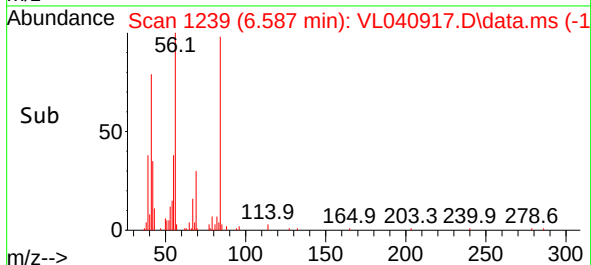
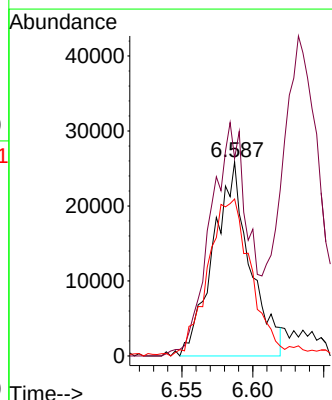
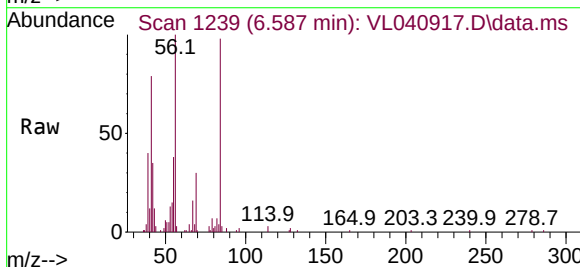
Tgt Ion: 84 Resp: 46565

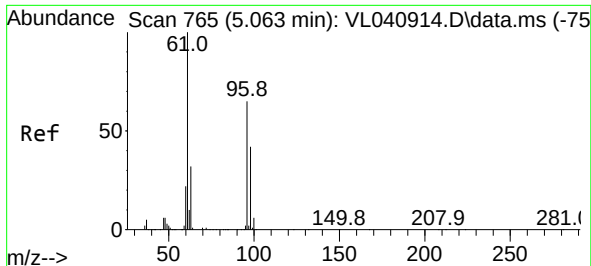
Ion Ratio Lower Upper

84 100

56 129.7 111.4 167.2

41 98.7 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 0.489 ppbv

RT: 5.066 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

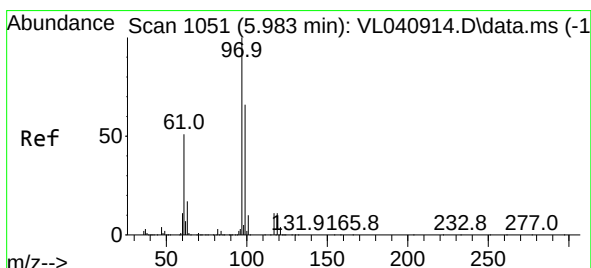
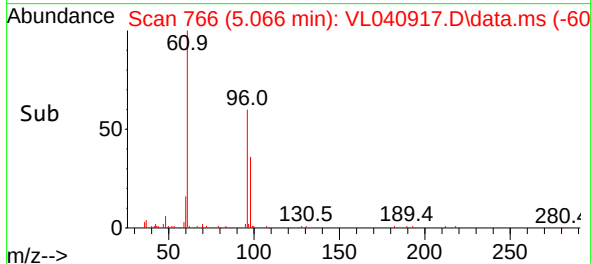
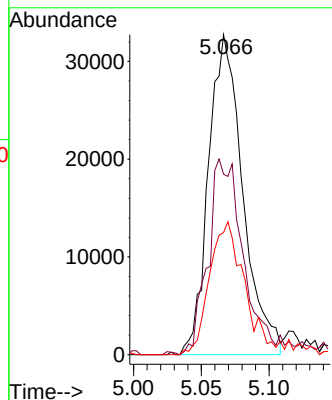
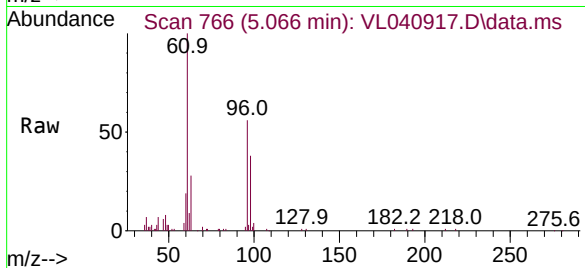
Tgt Ion: 61 Resp: 57572

Ion Ratio Lower Upper

61 100

96 56.4 51.7 77.5

98 38.2 33.2 49.8



#32

1,1,1-Trichloroethane

Concen: 0.524 ppbv

RT: 5.986 min Scan# 1052

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

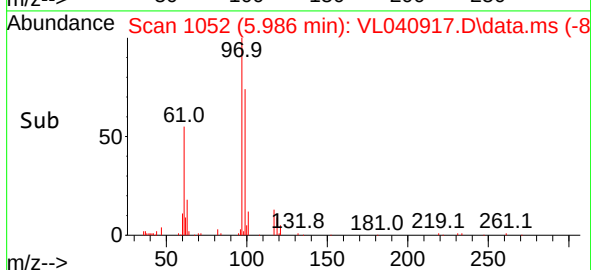
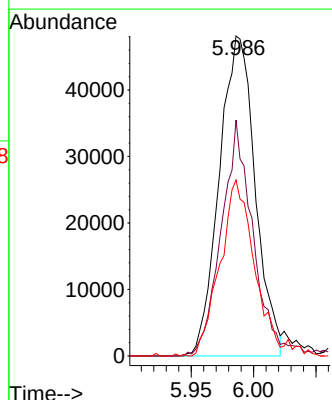
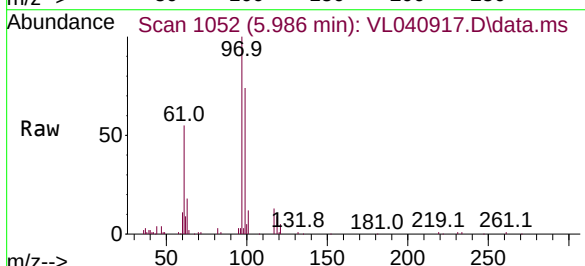
Tgt Ion: 97 Resp: 96530

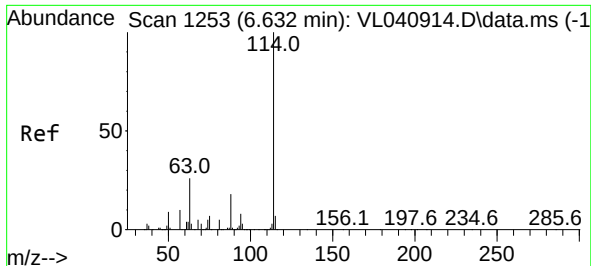
Ion Ratio Lower Upper

97 100

99 66.2 51.8 77.6

61 54.3 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

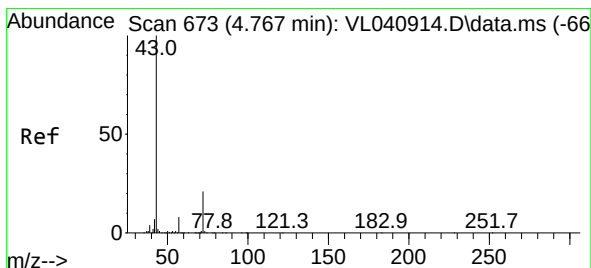
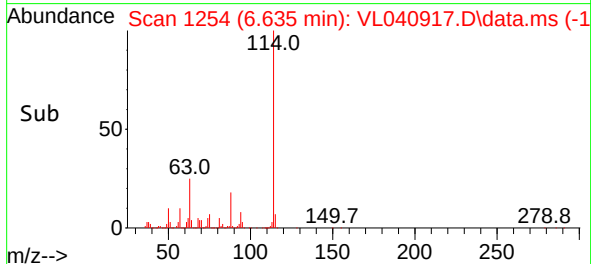
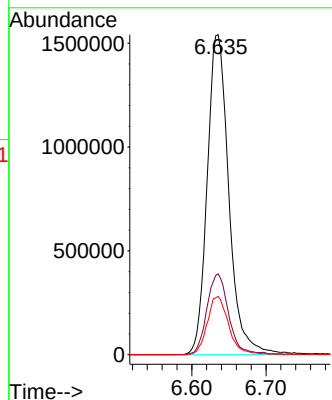
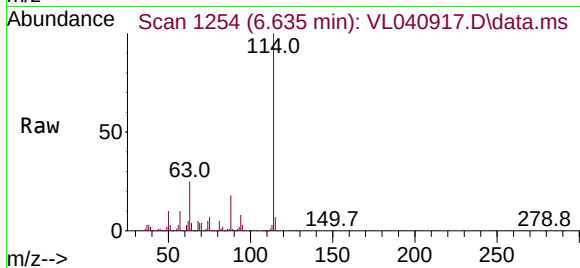
Tgt Ion:114 Resp: 3115772

Ion Ratio Lower Upper

114 100

63 25.8 21.0 31.6

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 0.478 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.023 min

Lab File: VL040917.D

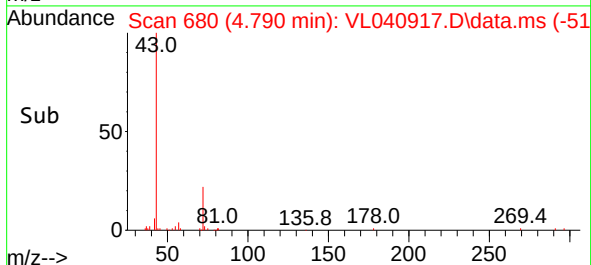
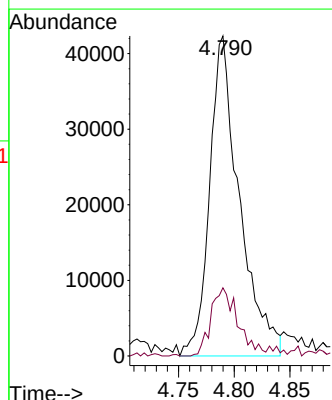
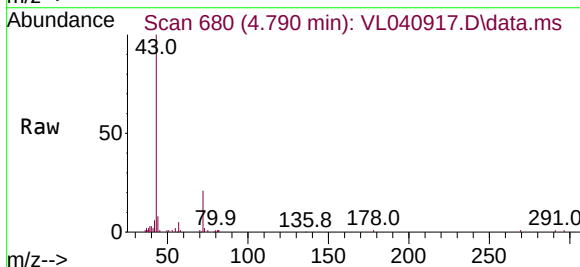
Acq: 20 Dec 2023 13:02

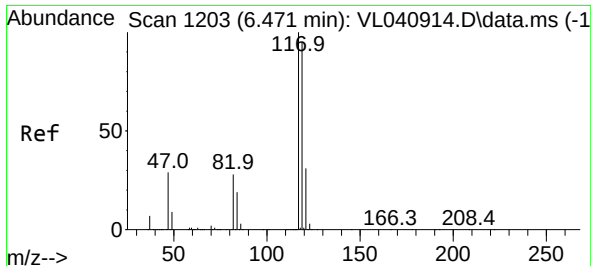
Tgt Ion: 43 Resp: 78855

Ion Ratio Lower Upper

43 100

72 19.3 17.2 25.8

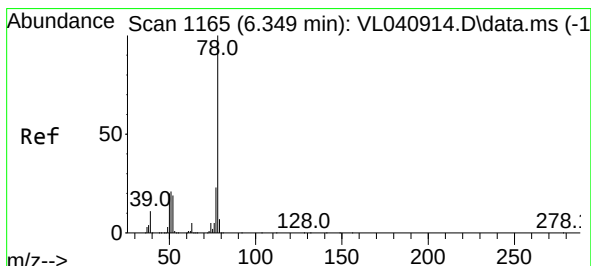
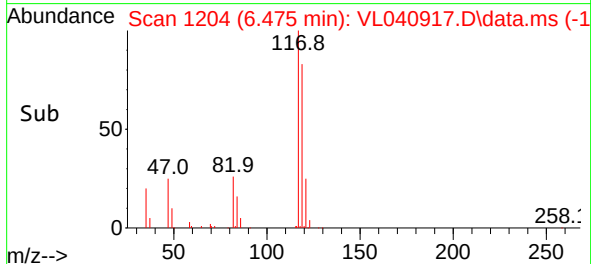
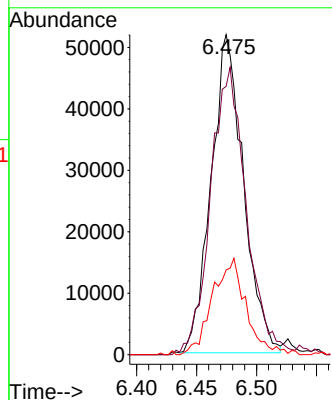
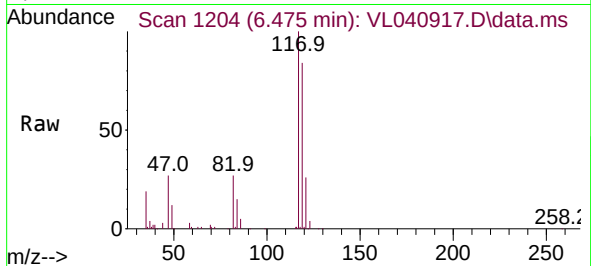




#35
Carbon Tetrachloride
Concen: 0.496 ppbv
RT: 6.475 min Scan# 1166
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

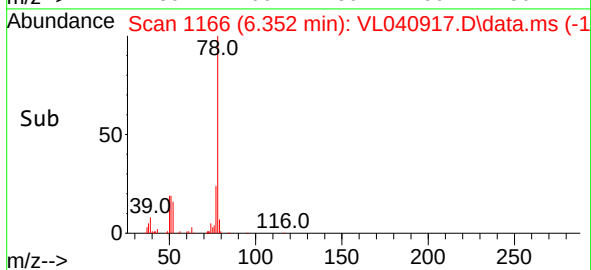
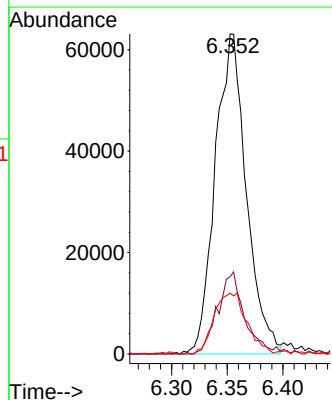
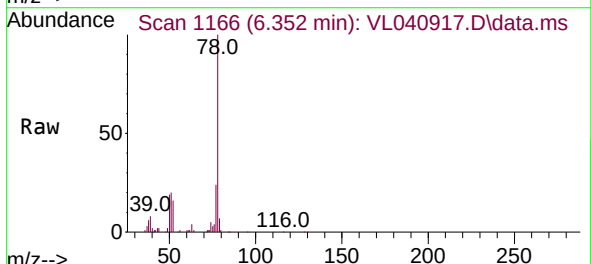
Instrument :
MSVOA_L
ClientSampleId :

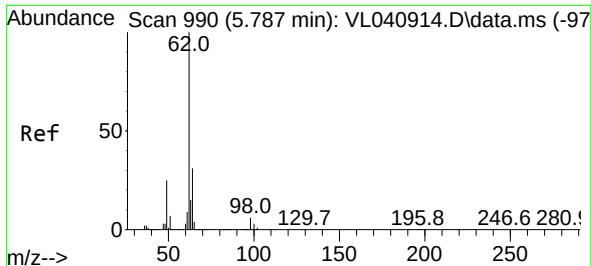
Tgt Ion:117 Resp: 97100
Ion Ratio Lower Upper
117 100
119 83.5 76.3 114.5
121 26.6 24.9 37.3



#36
Benzene
Concen: 0.503 ppbv
RT: 6.352 min Scan# 1166
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 78 Resp: 122609
Ion Ratio Lower Upper
78 100
77 24.2 18.4 27.6
50 19.1 16.0 24.0





#37

1,2-Dichloroethane

Concen: 0.511 ppbv

RT: 5.790 min Scan# 991

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

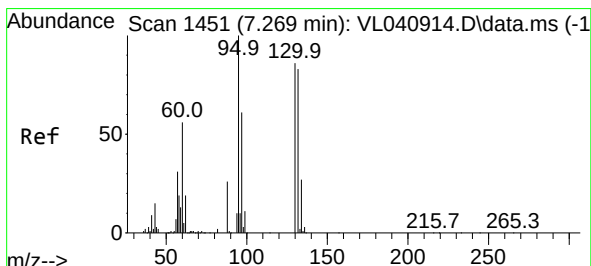
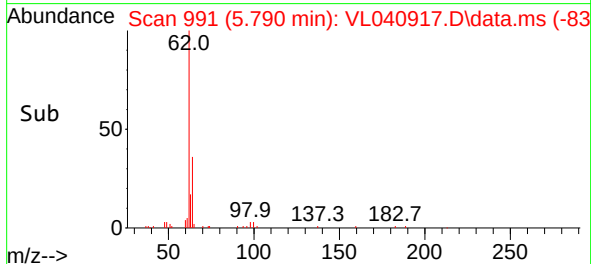
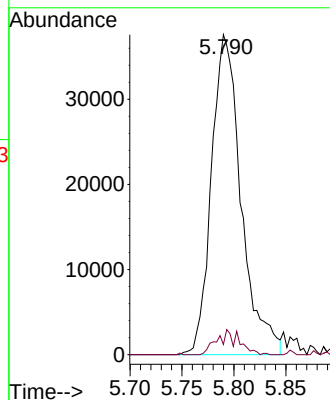
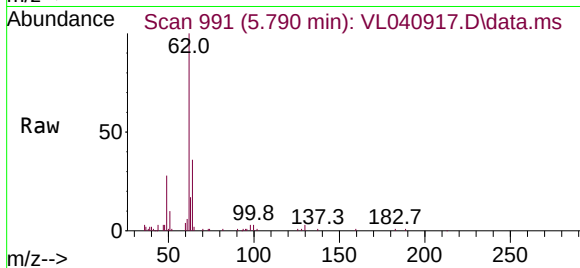
ClientSampleId :

Tgt Ion: 62 Resp: 74575

Ion Ratio Lower Upper

62 100

98 5.9 4.6 7.0



#38

Trichloroethene

Concen: 0.492 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Tgt Ion:130 Resp: 46084

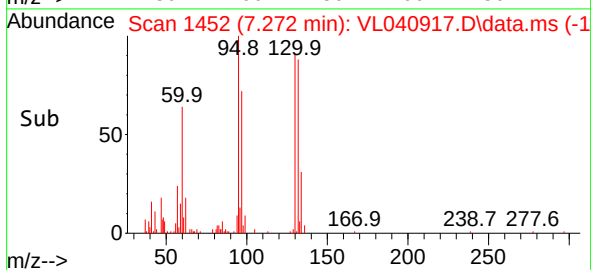
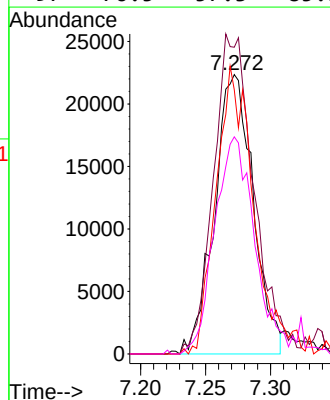
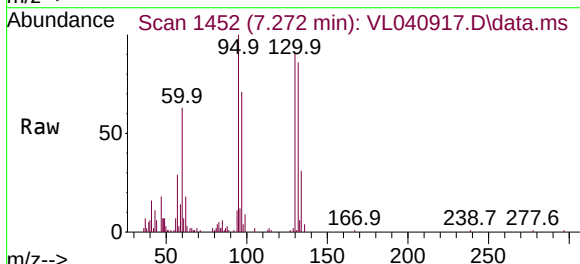
Ion Ratio Lower Upper

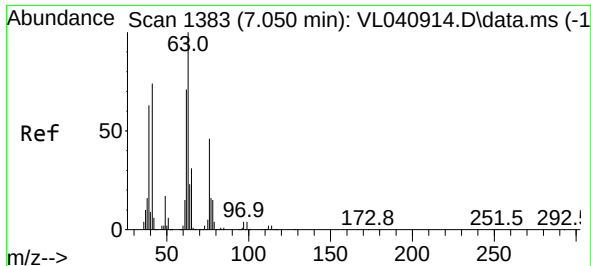
130 100

95 109.8 93.5 140.3

132 94.6 77.4 116.2

97 76.5 57.3 85.9





#39

1,2-Dichloropropane

Concen: 0.180 ppbv

RT: 7.044 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

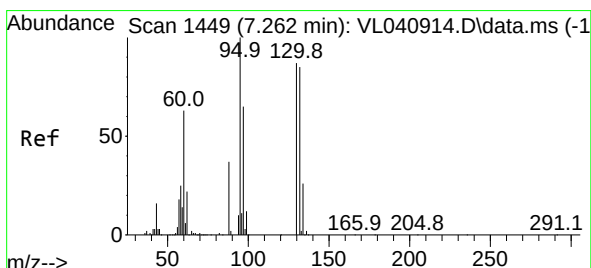
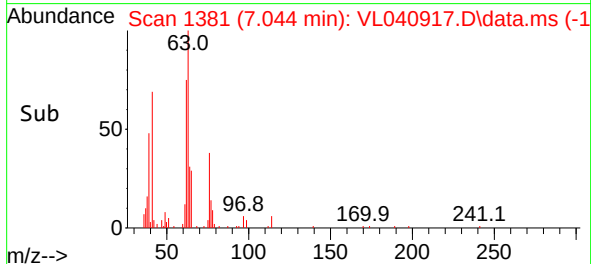
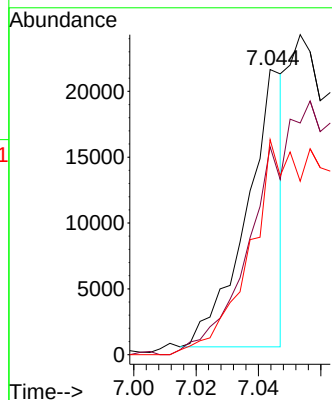
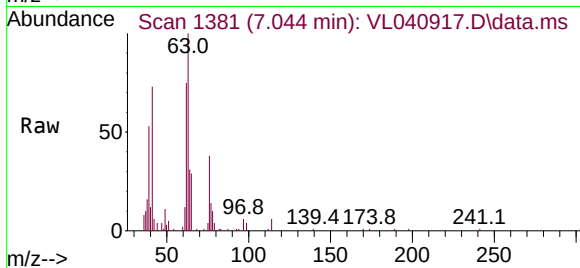
Tgt Ion: 63 Resp: 17261

Ion Ratio Lower Upper

63 100

41 73.2 59.0 88.6

62 75.9 56.6 85.0



#40

1,4-Dioxane

Concen: 0.007 ppbv

RT: 7.243 min Scan# 1443

Delta R.T. -0.019 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Tgt Ion: 88 Resp: 290

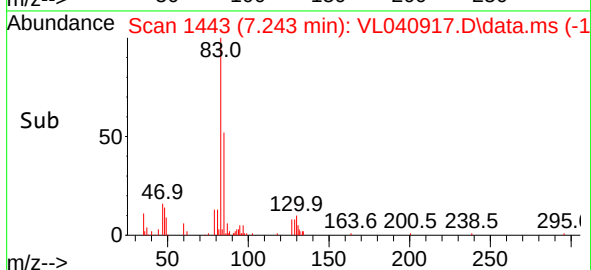
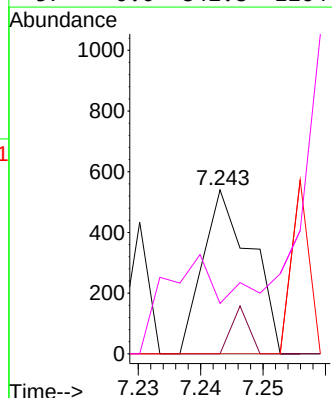
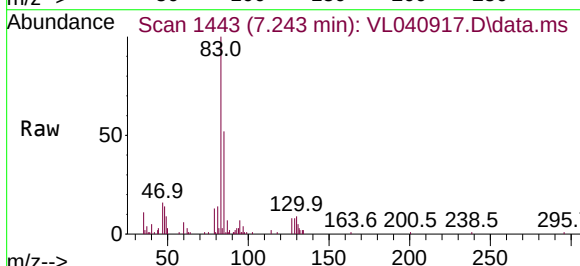
Ion Ratio Lower Upper

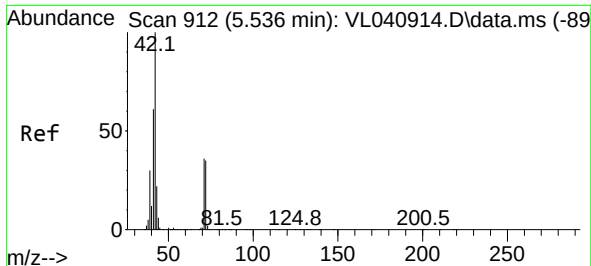
88 100

58 0.0 97.3 145.9#

43 0.0 200.6 300.8#

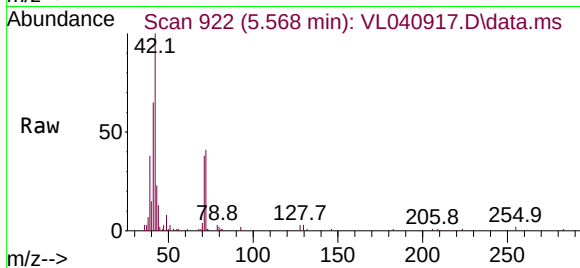
57 0.0 842.8 1264.2#



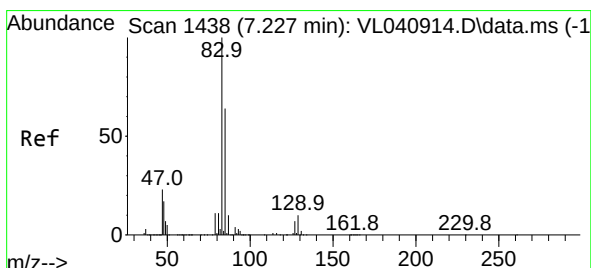
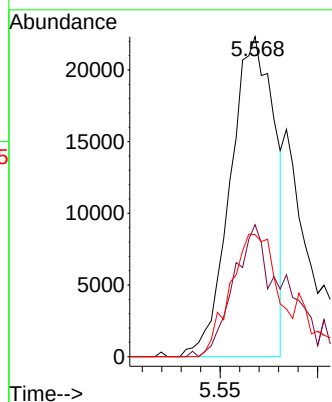
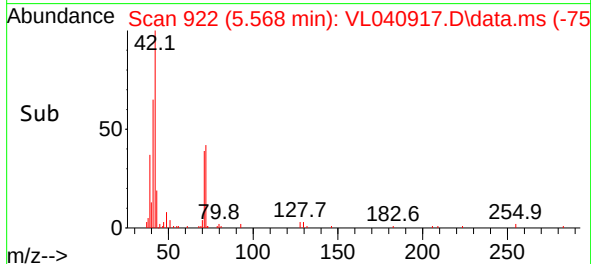


#41
Tetrahydrofuran
Concen: 0.351 ppbv
RT: 5.568 min Scan# 912
Delta R.T. 0.032 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

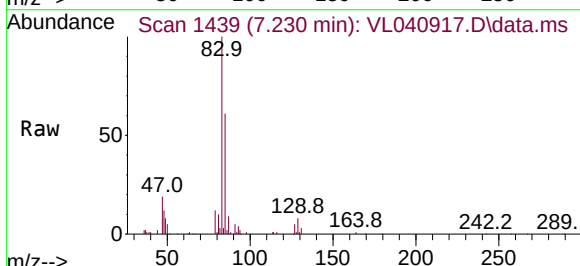
Instrument :
MSVOA_L
ClientSampleId :



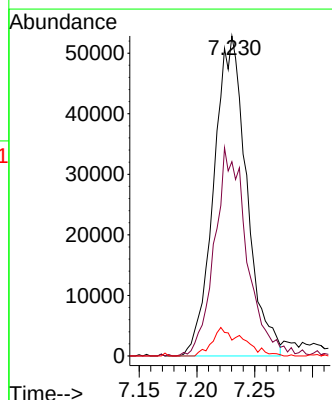
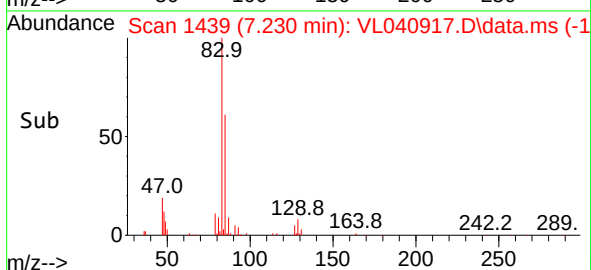
Tgt Ion: 42 Resp: 35117
Ion Ratio Lower Upper
42 100
72 50.6 29.6 44.4#
71 54.5 29.1 43.7#

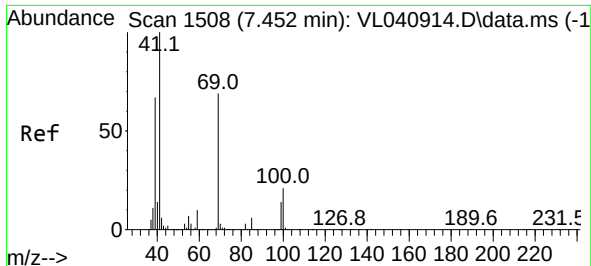


#42
Bromodichloromethane
Concen: 0.497 ppbv
RT: 7.230 min Scan# 1439
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02



Tgt Ion: 83 Resp: 104690
Ion Ratio Lower Upper
83 100
85 60.3 51.4 77.0
127 5.0 5.9 8.9#

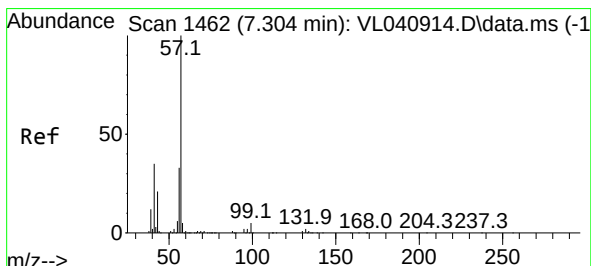
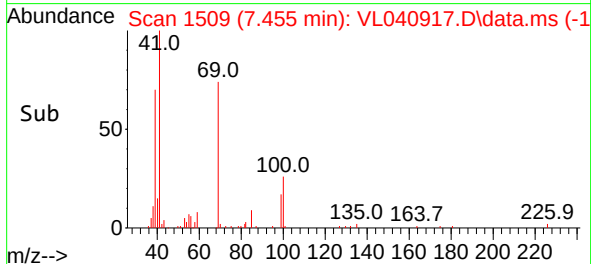
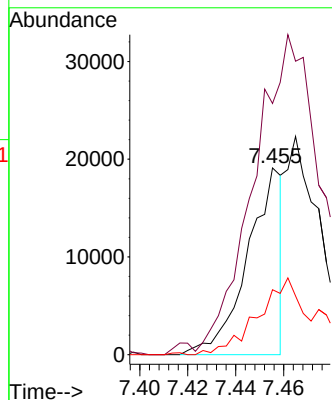
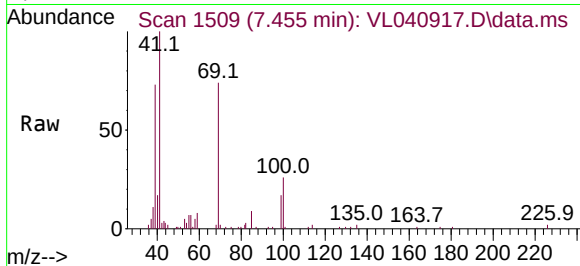




#43
Methyl Methacrylate
Concen: 0.201 ppbv
RT: 7.455 min Scan# 1509
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

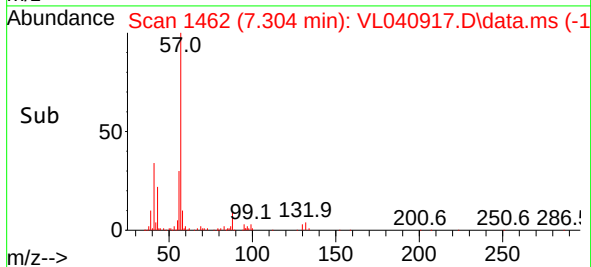
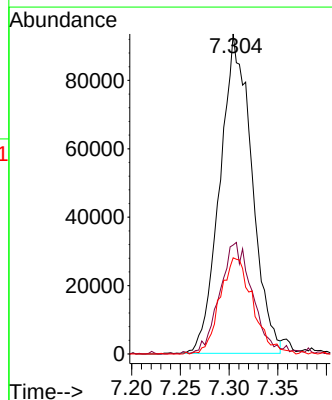
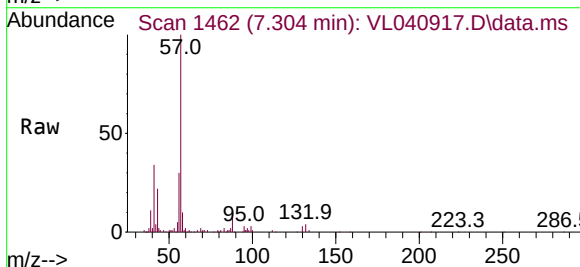
Instrument :
MSVOA_L
ClientSampleId :

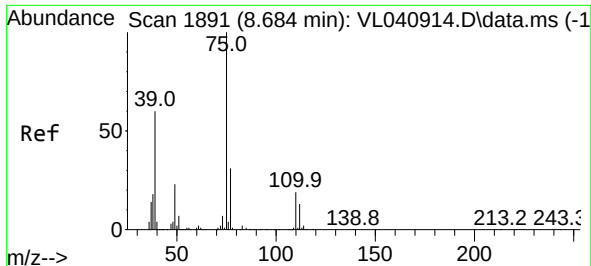
Tgt Ion: 69 Resp: 19070
Ion Ratio Lower Upper
69 100
41 0.0 119.9 179.9#
100 0.0 25.1 37.7#



#44
2,2,4-Trimethylpentane
Concen: 0.514 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.000 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 57 Resp: 212805
Ion Ratio Lower Upper
57 100
41 36.8 28.2 42.4
56 31.2 25.3 37.9

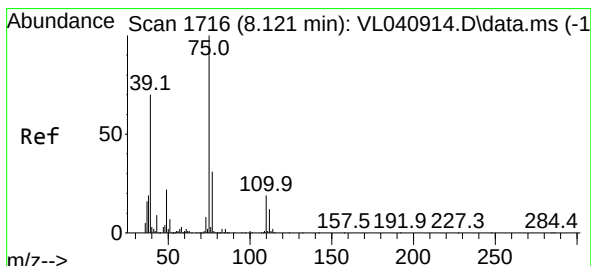
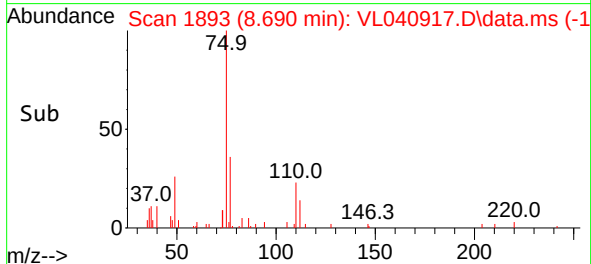
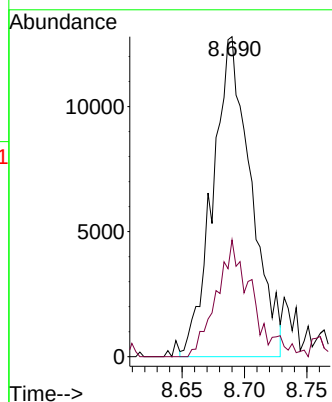
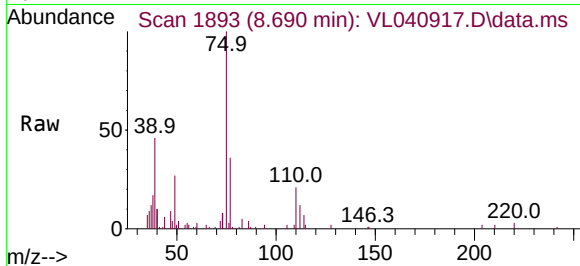




#45
t-1,3-Dichloropropene
Concen: 0.387 ppbv
RT: 8.690 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

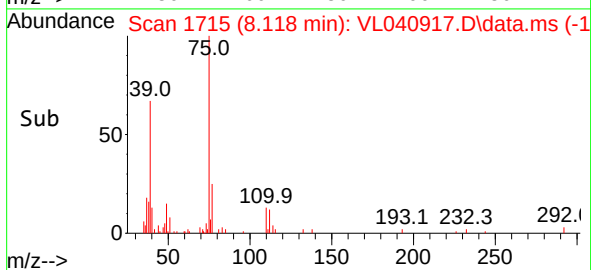
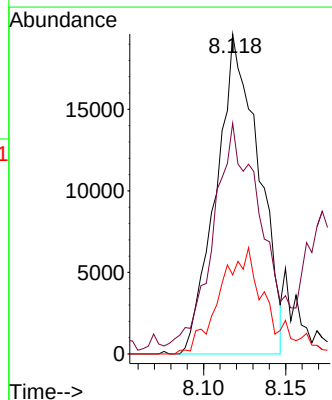
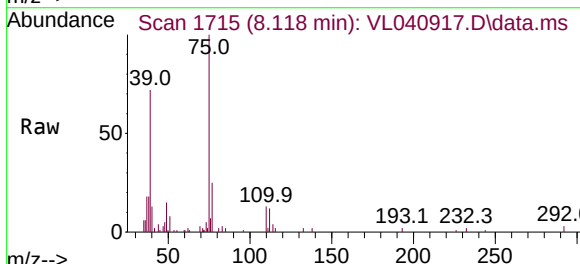
Instrument :
MSVOA_L
ClientSampleId :

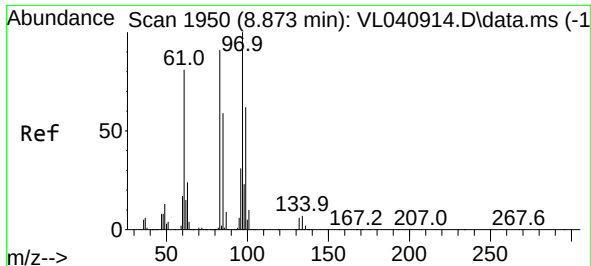
Tgt Ion: 75 Resp: 27222
Ion Ratio Lower Upper
75 100
77 36.5 24.8 37.2



#46
cis-1,3-Dichloropropene
Concen: 0.404 ppbv
RT: 8.118 min Scan# 1715
Delta R.T. -0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 75 Resp: 35452
Ion Ratio Lower Upper
75 100
39 66.2 56.2 84.4
77 23.6 24.5 36.7#





#47

1,1,2-Trichloroethane

Concen: 0.501 ppbv

RT: 8.873 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 51499

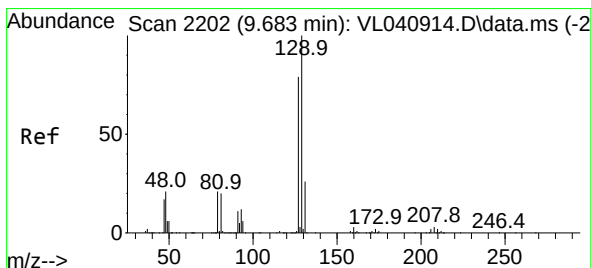
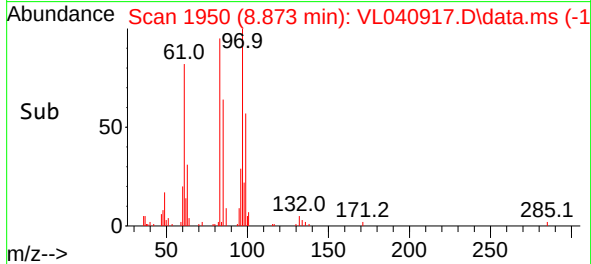
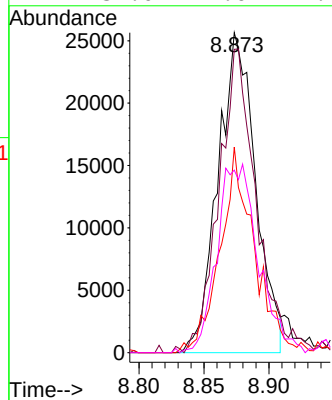
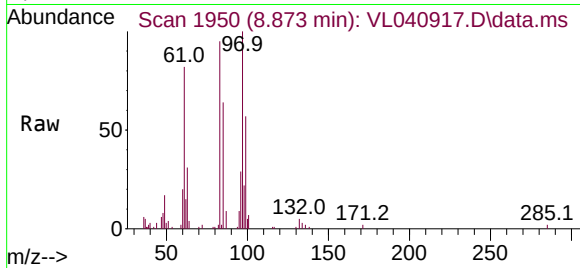
Ion Ratio Lower Upper

97 100

83 93.6 72.6 108.8

85 63.2 47.4 71.0

99 57.0 49.6 74.4



#48

Dibromochloromethane

Concen: 0.278 ppbv

RT: 9.687 min Scan# 2203

Delta R.T. 0.003 min

Lab File: VL040917.D

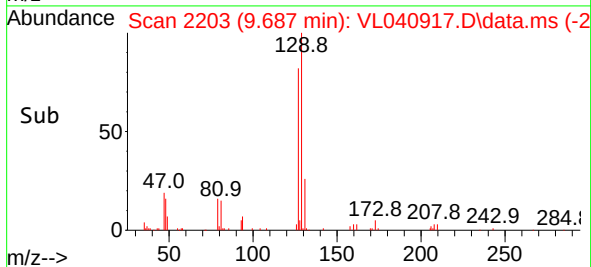
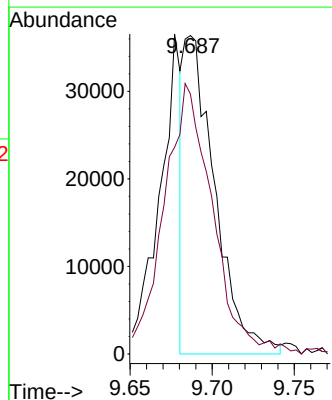
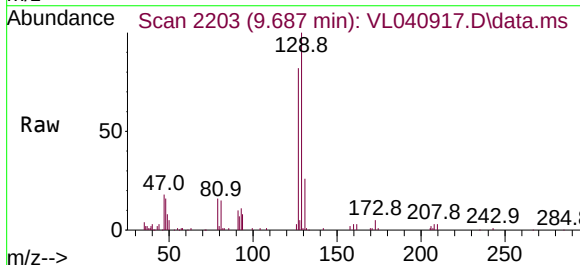
Acq: 20 Dec 2023 13:02

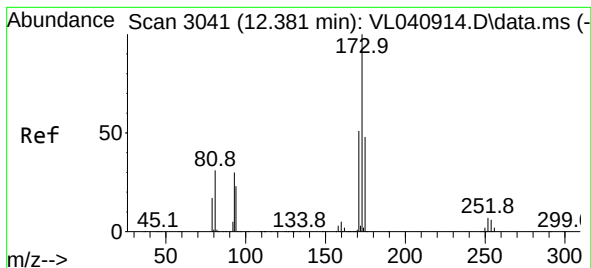
Tgt Ion: 129 Resp: 48282

Ion Ratio Lower Upper

129 100

127 131.2 39.6 119.0#





#49

Bromoform

Concen: 0.121 ppbv

RT: 12.391 min Scan# 3041

Delta R.T. 0.010 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

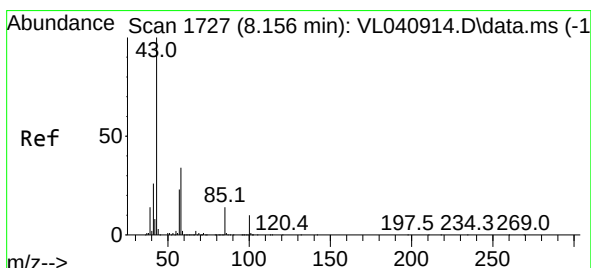
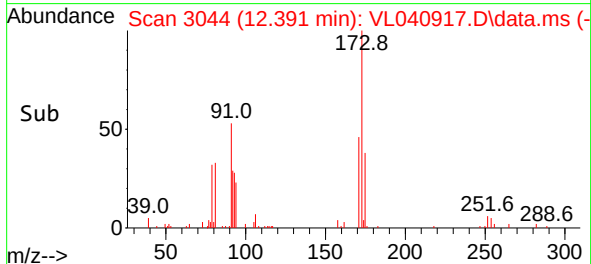
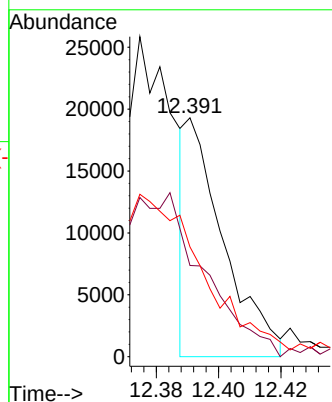
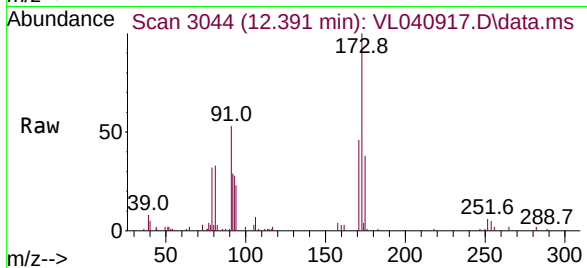
Tgt Ion:173 Resp: 16220

Ion Ratio Lower Upper

173 100

175 192.5 39.3 58.9#

171 0.0 41.8 62.6#



#50

4-Methyl-2-Pentanone

Concen: 0.291 ppbv

RT: 8.182 min Scan# 1735

Delta R.T. 0.026 min

Lab File: VL040917.D

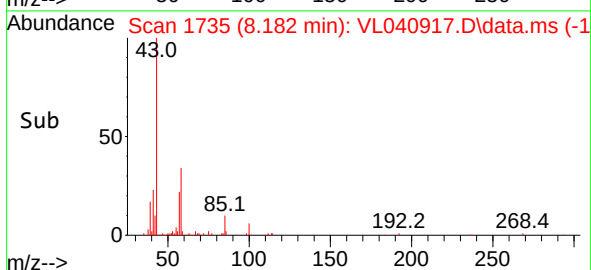
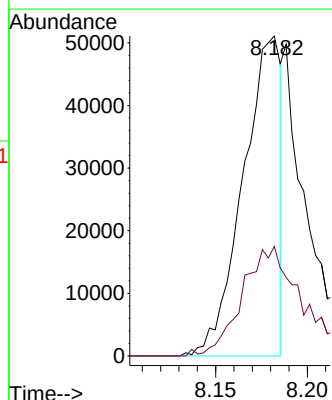
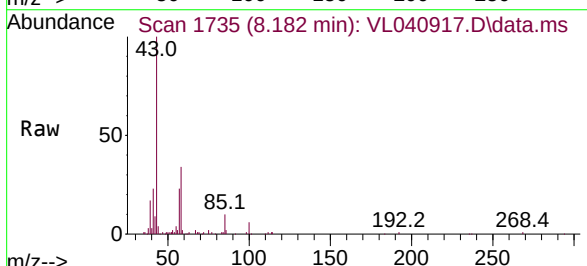
Acq: 20 Dec 2023 13:02

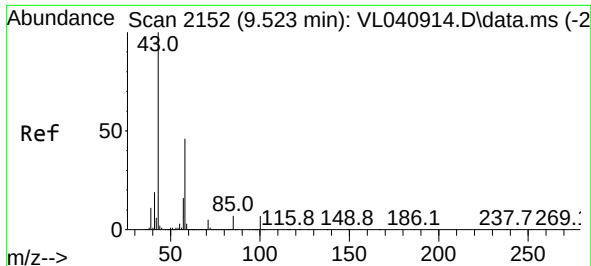
Tgt Ion: 43 Resp: 72751

Ion Ratio Lower Upper

43 100

58 59.9 27.4 41.0#

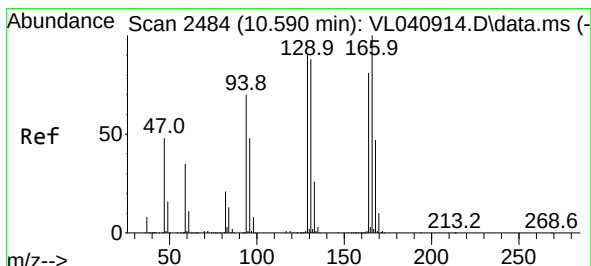
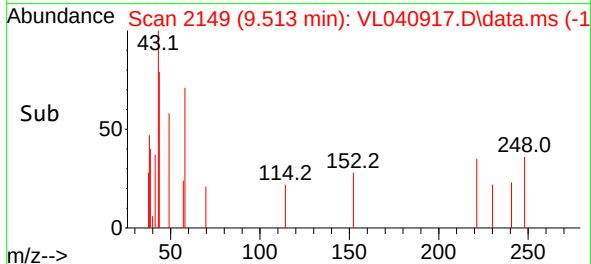
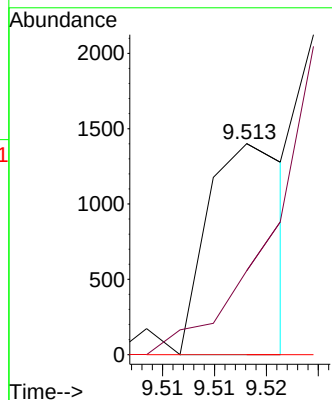
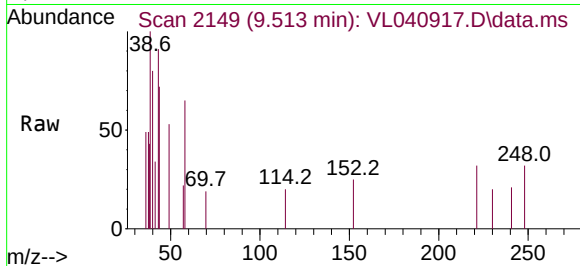




#51
2-Hexanone
Concen: 0.004 ppbv
RT: 9.513 min Scan# 2152
Delta R.T. -0.010 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

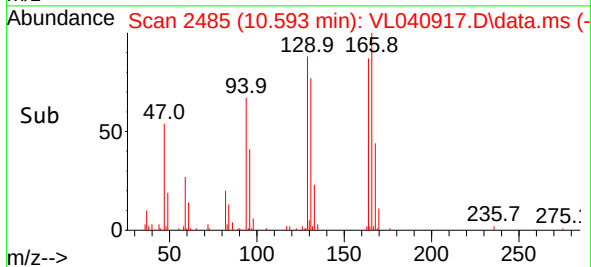
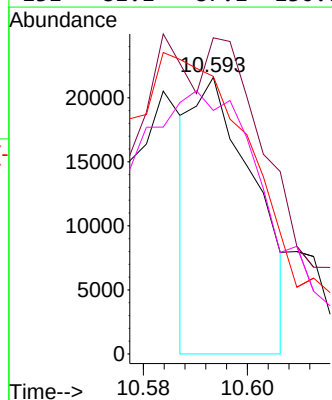
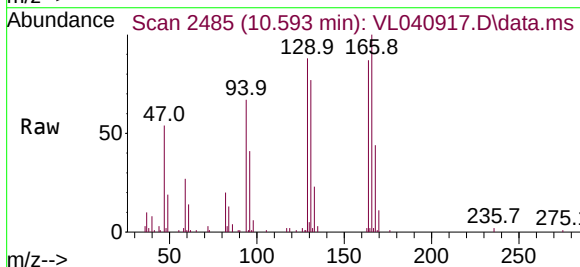
Instrument :
MSVOA_L
ClientSampleId :

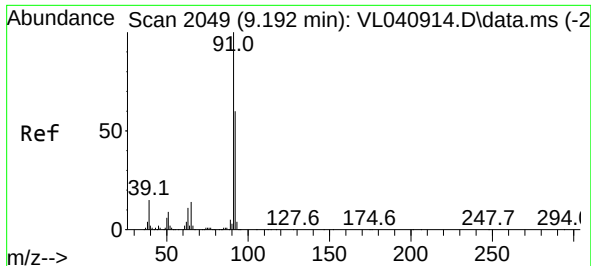
Tgt Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
58 0.0 37.3 55.9#
98 109.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.218 ppbv
RT: 10.593 min Scan# 2485
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 164 Resp: 17923
Ion Ratio Lower Upper
164 100
166 76.4 98.9 148.3#
129 89.2 88.7 133.1
131 81.1 87.1 130.7#

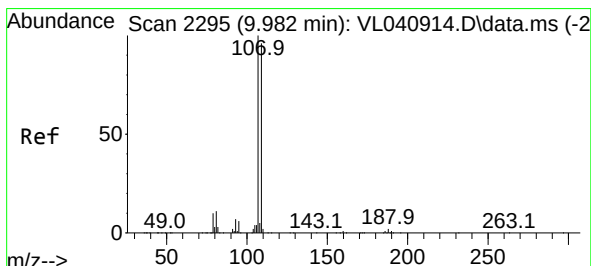
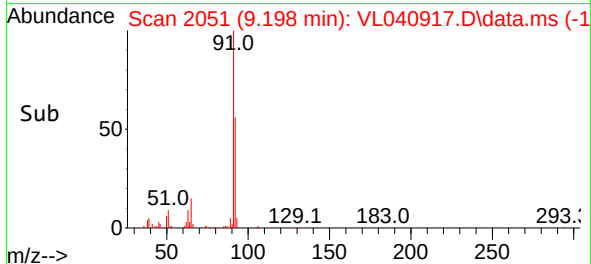
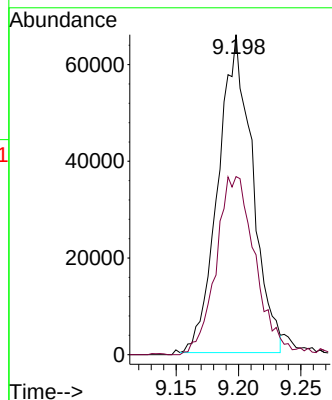
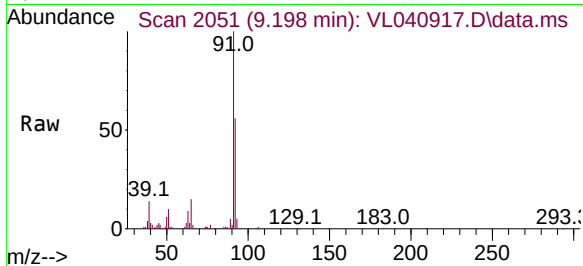




#53
Toluene
Concen: 0.464 ppbv
RT: 9.198 min Scan# 2049
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

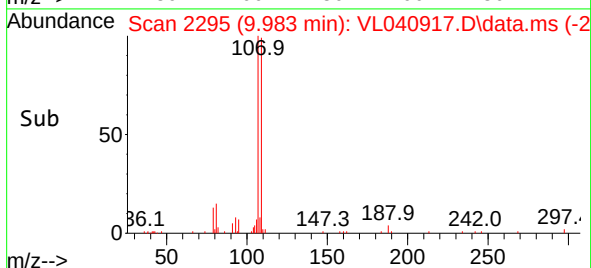
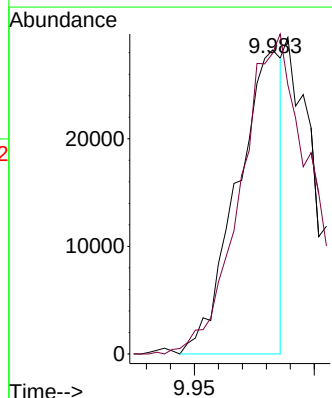
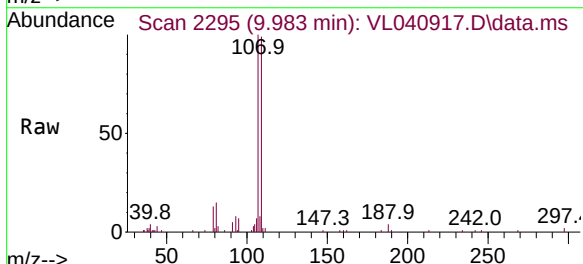
Instrument :
MSVOA_L
ClientSampleId :

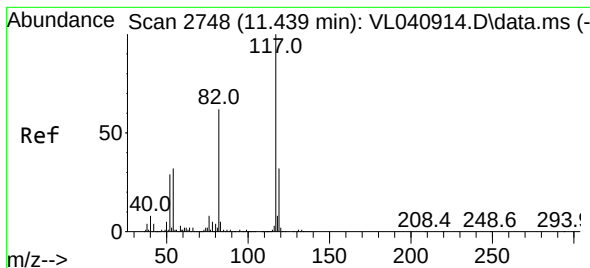
Tgt Ion: 91 Resp: 126163
Ion Ratio Lower Upper
91 100
92 65.3 49.2 73.8



#54
1,2-Dibromoethane
Concen: 0.260 ppbv
RT: 9.983 min Scan# 2295
Delta R.T. 0.000 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 107 Resp: 36522
Ion Ratio Lower Upper
107 100
109 97.0 77.0 115.4

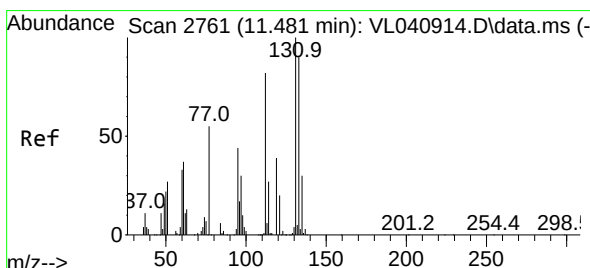
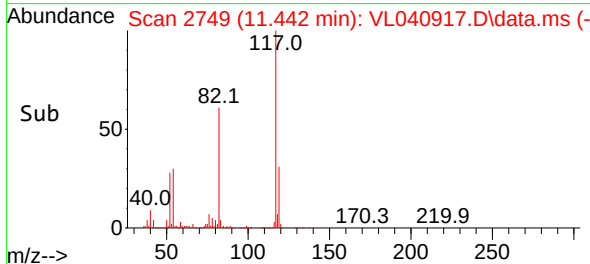
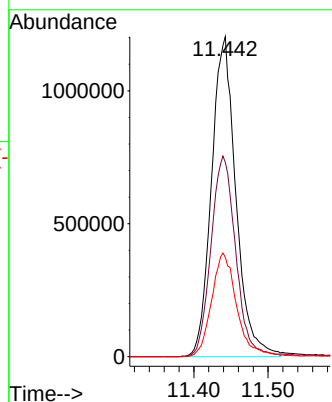
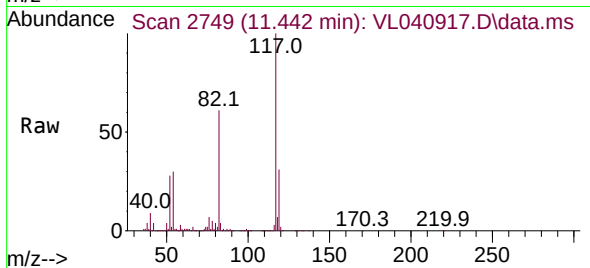




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

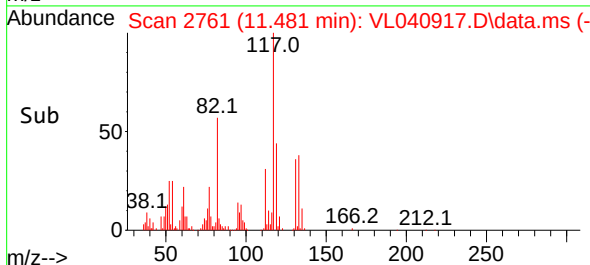
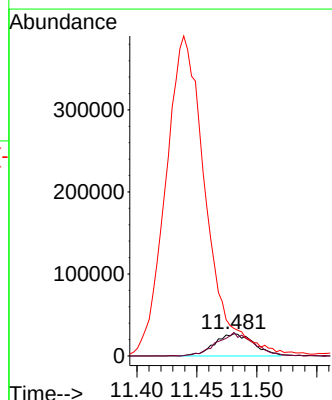
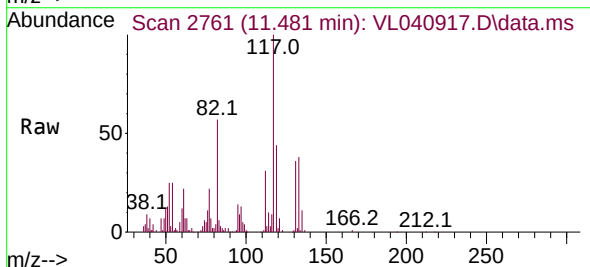
Instrument :
MSVOA_L
ClientSampleId :

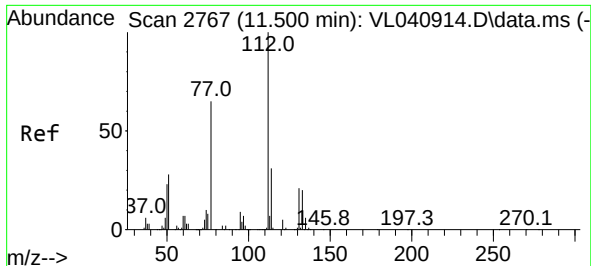
Tgt Ion:117 Resp: 2747752
Ion Ratio Lower Upper
117 100
82 64.1 49.6 74.4
119 33.9 23.4 35.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.513 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.000 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion:131 Resp: 61690
Ion Ratio Lower Upper
131 100
133 99.8 76.3 114.5
119 1503.0 48.6 73.0#





#57

Chlorobenzene

Concen: 0.517 ppbv

RT: 11.497 min Scan# 2766

Delta R.T. -0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

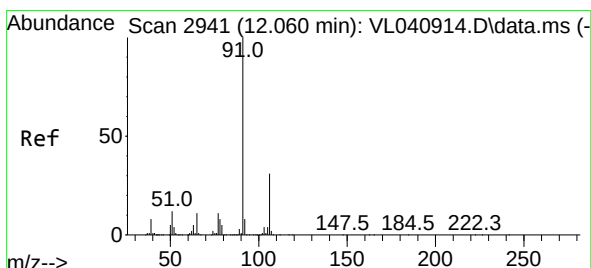
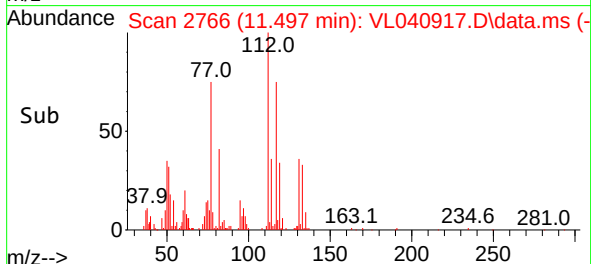
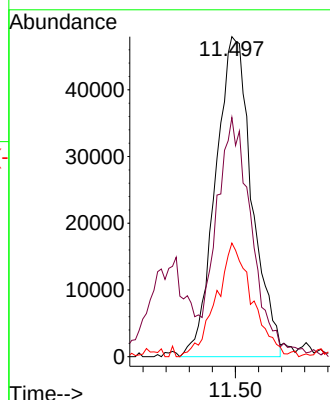
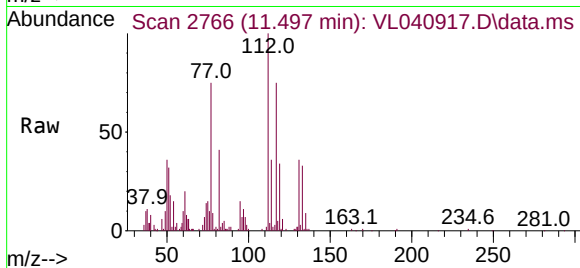
Tgt Ion:112 Resp: 104892

Ion Ratio Lower Upper

112 100

77 72.7 52.7 79.1

114 36.0 28.4 34.7#



#58

Ethyl Benzene

Concen: 0.293 ppbv

RT: 12.063 min Scan# 2942

Delta R.T. 0.003 min

Lab File: VL040917.D

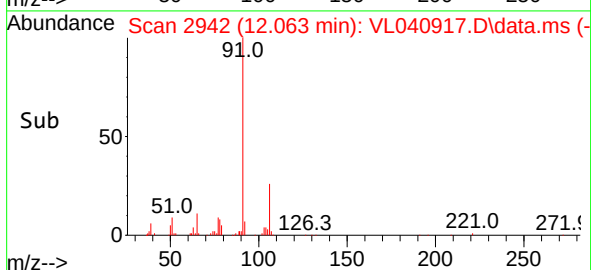
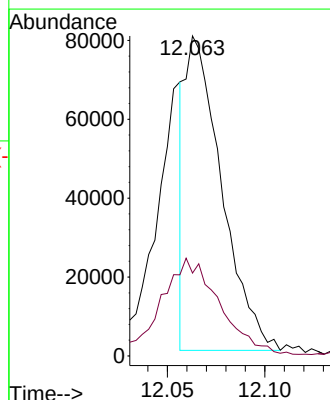
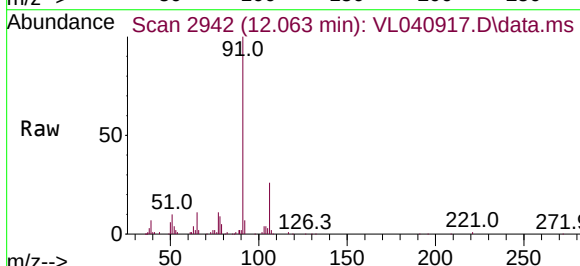
Acq: 20 Dec 2023 13:02

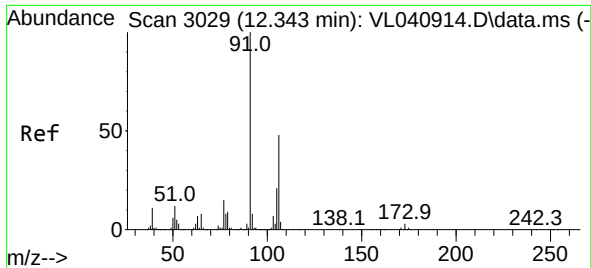
Tgt Ion: 91 Resp: 103354

Ion Ratio Lower Upper

91 100

106 25.5 24.9 37.3





#59

m/p-Xylene

Concen: 0.052 ppbv

RT: 12.336 min Scan# 3027

Delta R.T. -0.006 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

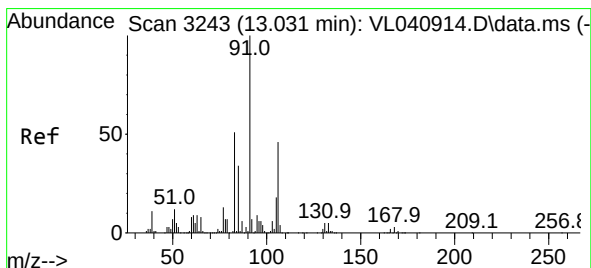
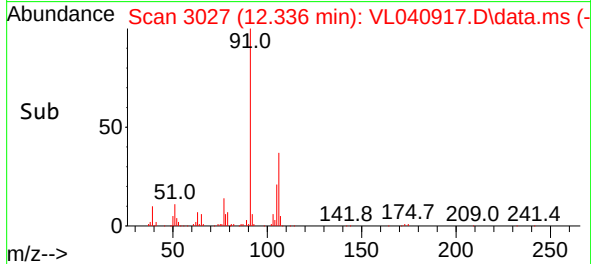
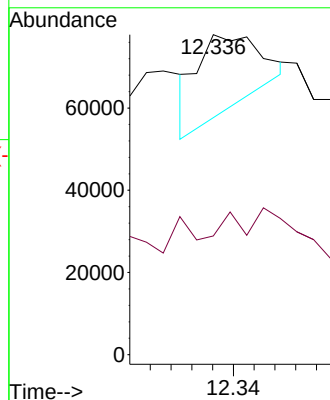
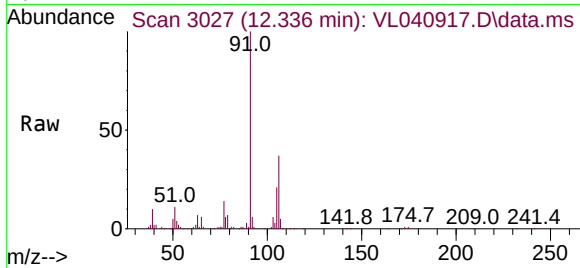
ClientSampleId :

Tgt Ion: 91 Resp: 15715

Ion Ratio Lower Upper

91 100

106 800.7 0.0 0.0#



#60

o-Xylene

Concen: 0.498 ppbv

RT: 13.037 min Scan# 3245

Delta R.T. 0.006 min

Lab File: VL040917.D

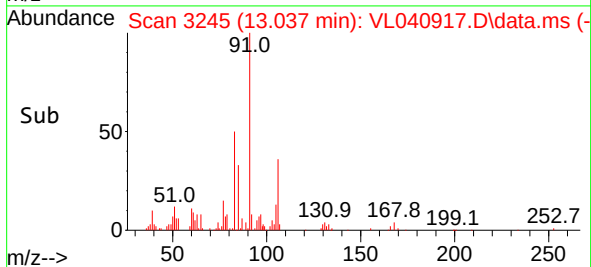
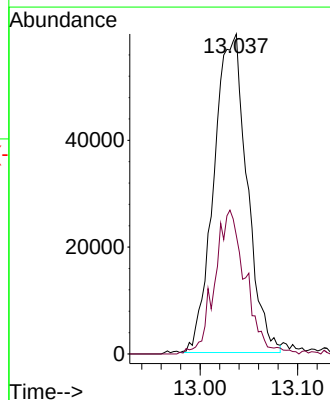
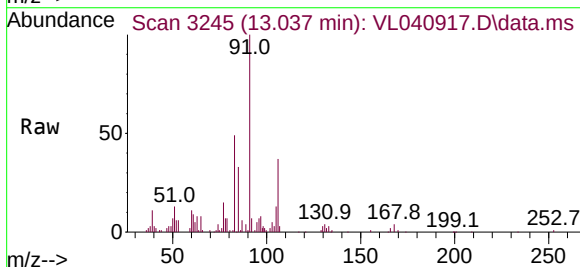
Acq: 20 Dec 2023 13:02

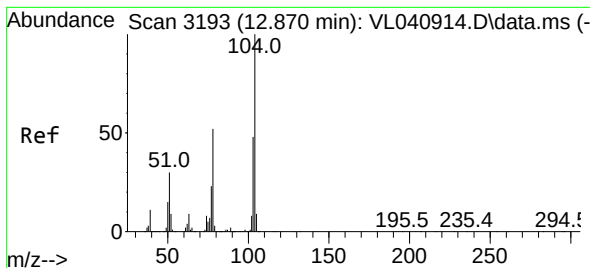
Tgt Ion: 91 Resp: 140792

Ion Ratio Lower Upper

91 100

106 42.5 22.6 67.7





#61

Styrene

Concen: 0.267 ppbv

RT: 12.870 min Scan# 3193

Delta R.T. 0.000 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

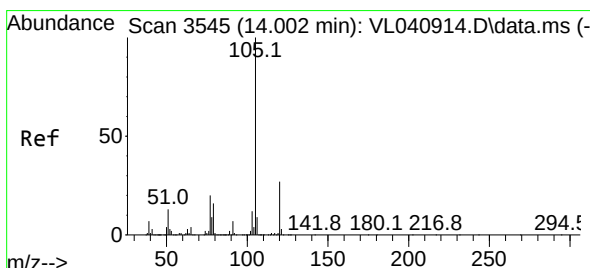
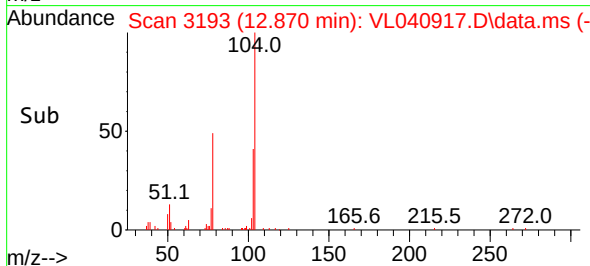
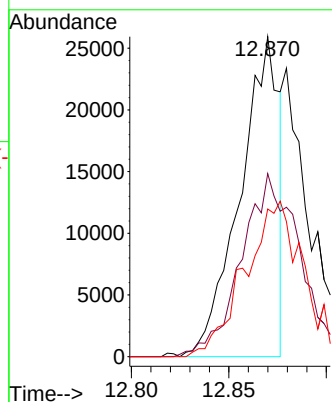
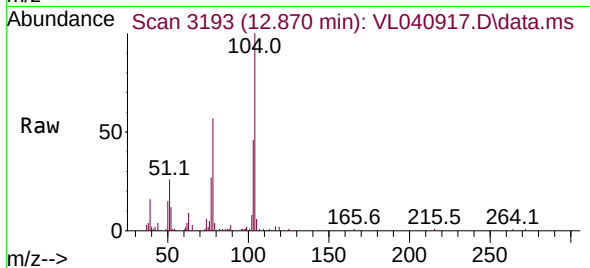
Tgt Ion:104 Resp: 36087

Ion Ratio Lower Upper

104 100

78 88.4 43.0 64.4#

103 0.0 37.6 56.4#



#62

Isopropylbenzene

Concen: 0.518 ppbv

RT: 14.005 min Scan# 3546

Delta R.T. 0.003 min

Lab File: VL040917.D

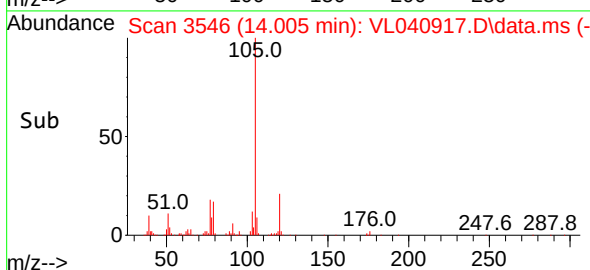
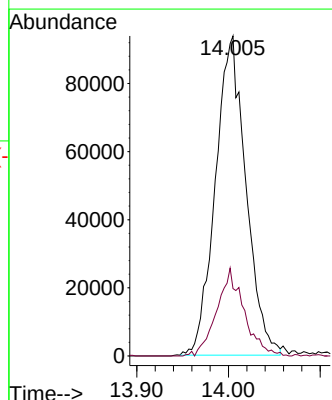
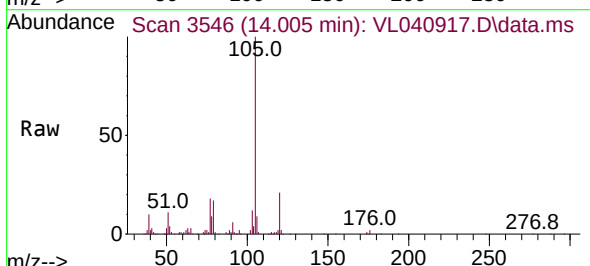
Acq: 20 Dec 2023 13:02

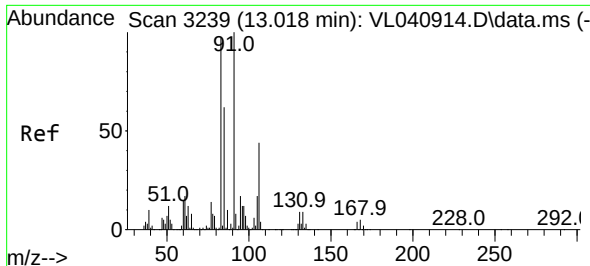
Tgt Ion:105 Resp: 217085

Ion Ratio Lower Upper

105 100

120 24.6 20.7 31.1

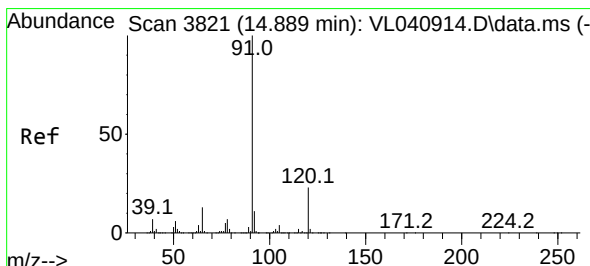
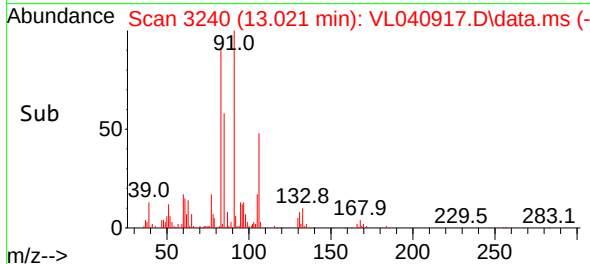
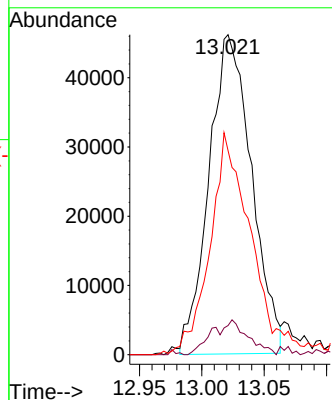
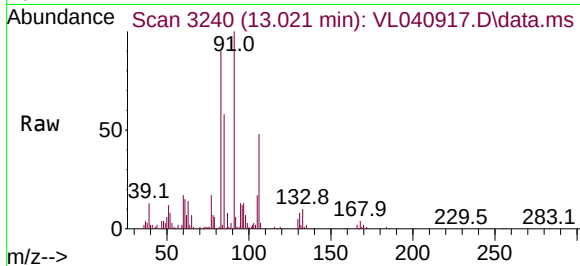




#63
1,1,2,2-Tetrachloroethane
Concen: 0.539 ppbv
RT: 13.021 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

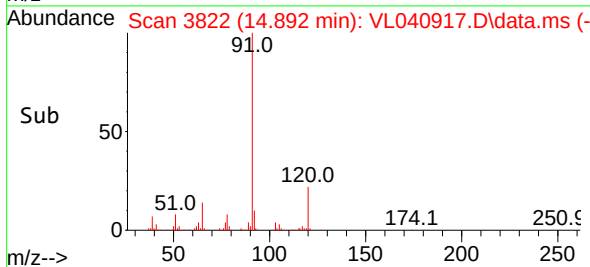
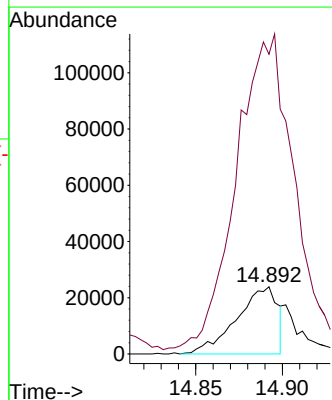
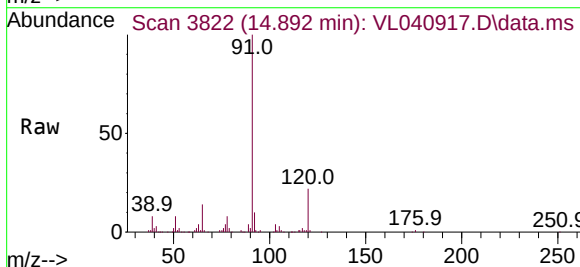
Instrument :
MSVOA_L
ClientSampleId :

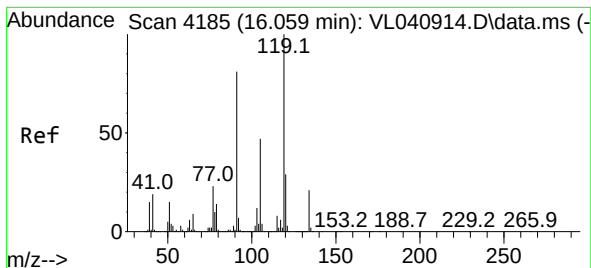
Tgt Ion: 83 Resp: 109503
Ion Ratio Lower Upper
83 100
131 10.1 4.7 14.0
85 70.1 32.6 98.0



#64
n-propylbenzene
Concen: 0.372 ppbv
RT: 14.892 min Scan# 3822
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion:120 Resp: 39352
Ion Ratio Lower Upper
120 100
91 716.3 381.9 572.9#





#65

tert-Butylbenzene

Concen: 0.462 ppbv

RT: 16.066 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

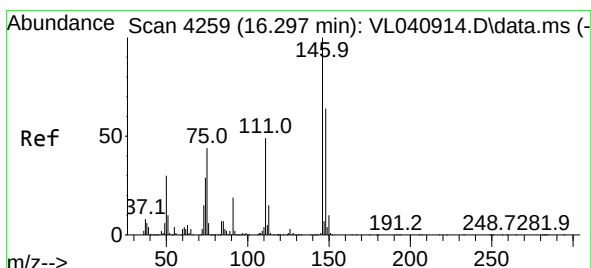
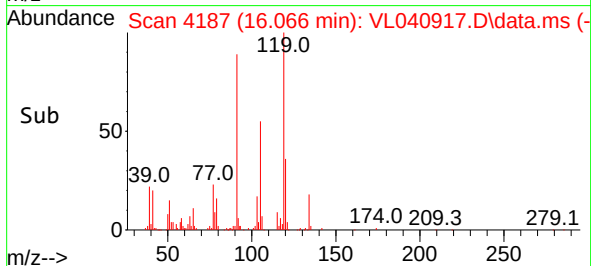
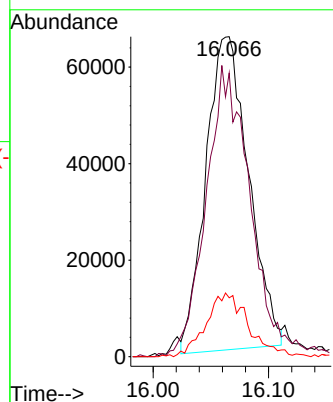
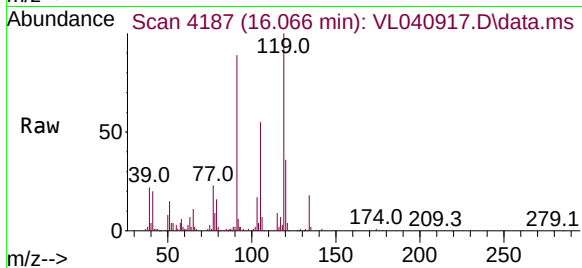
Tgt Ion:119 Resp: 167377

Ion Ratio Lower Upper

119 100

91 97.3 67.2 100.8

134 20.2 15.8 23.6



#66

Benzyl Chloride

Concen: 0.066 ppbv

RT: 16.317 min Scan# 4265

Delta R.T. 0.019 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

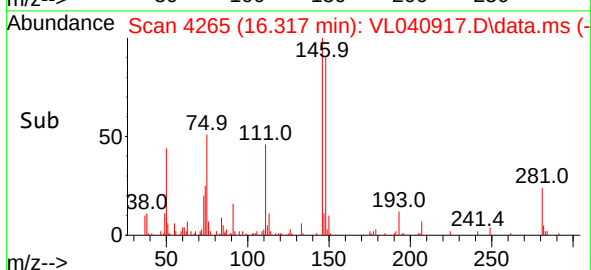
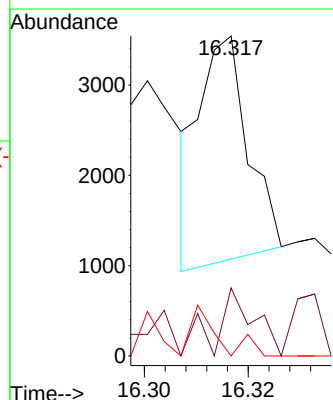
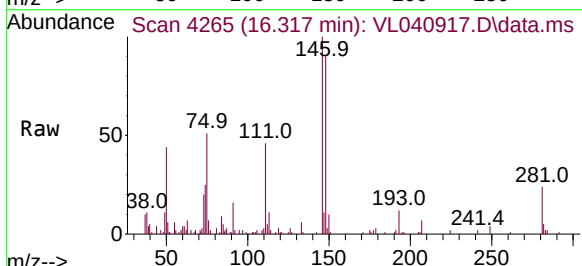
Tgt Ion: 91 Resp: 1627

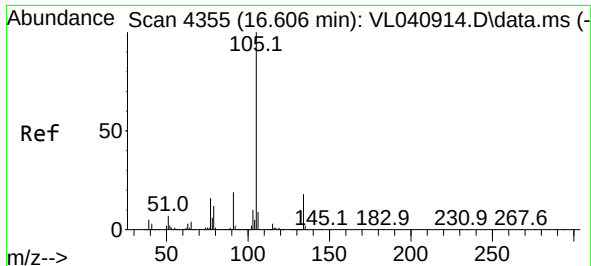
Ion Ratio Lower Upper

91 100

126 38.2 14.1 21.1#

128 20.3 4.6 6.8#

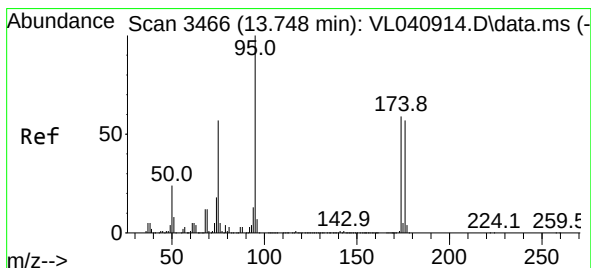
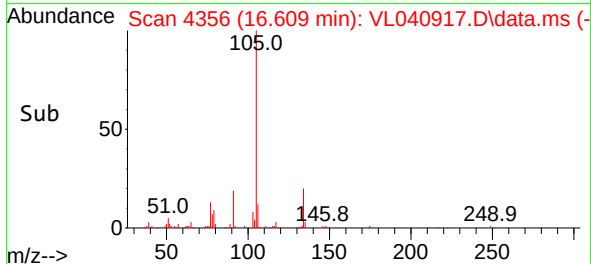
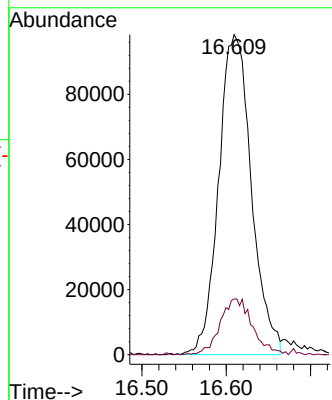
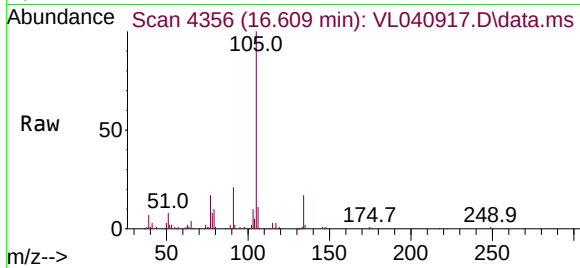




#67
 sec-Butylbenzene
 Concen: 0.512 ppbv
 RT: 16.609 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

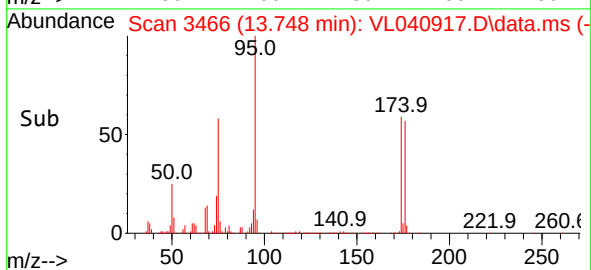
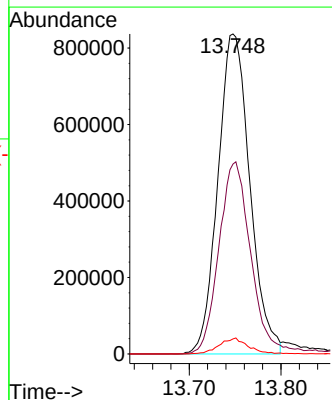
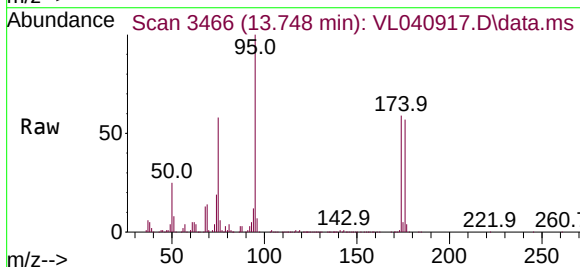
Instrument :
 MSVOA_L
 ClientSampleId :

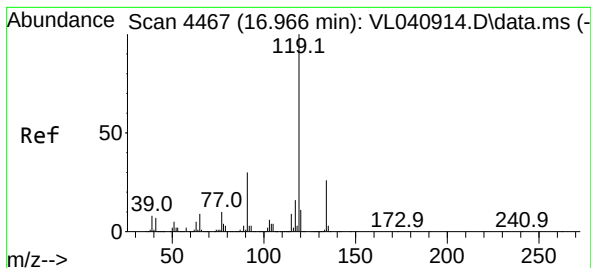
Tgt Ion:105 Resp: 265337
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.003 ppbv
 RT: 13.748 min Scan# 3466
 Delta R.T. 0.000 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

Tgt Ion: 95 Resp: 2024558
 Ion Ratio Lower Upper
 95 100
 174 61.9 48.0 72.0
 175 4.7 3.7 5.5

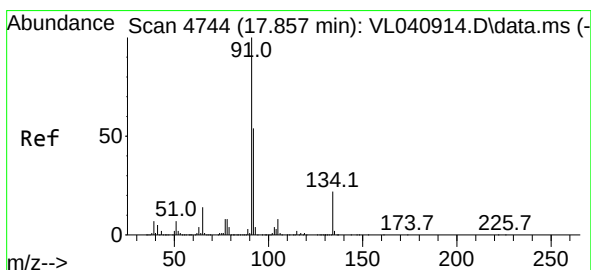
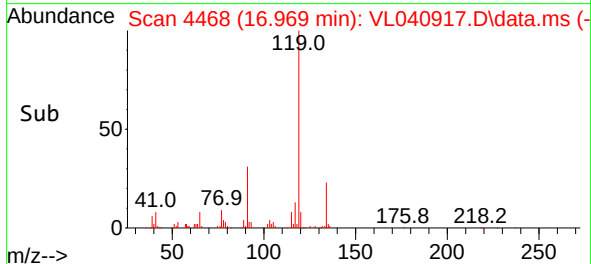
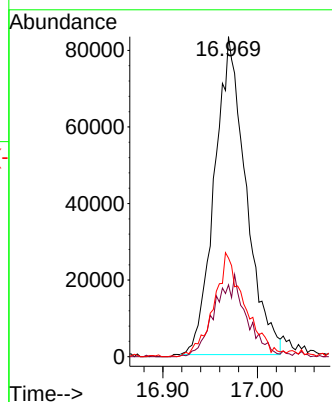
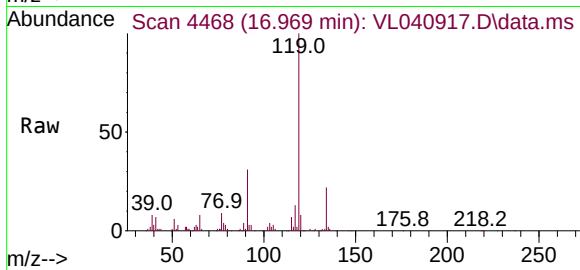




#69
p-Isopropyltoluene
Concen: 0.478 ppbv
RT: 16.969 min Scan# 4468
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

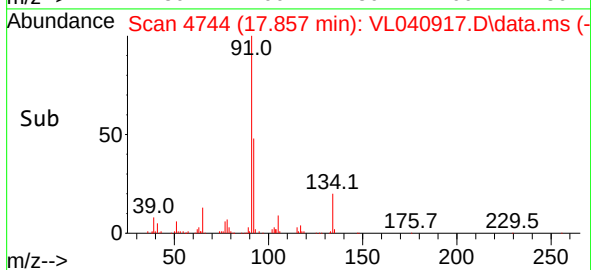
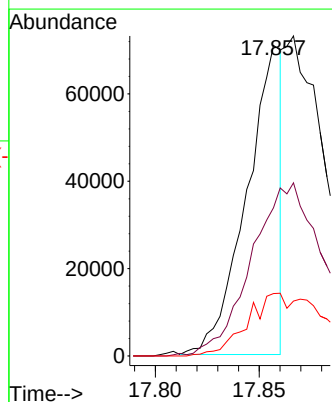
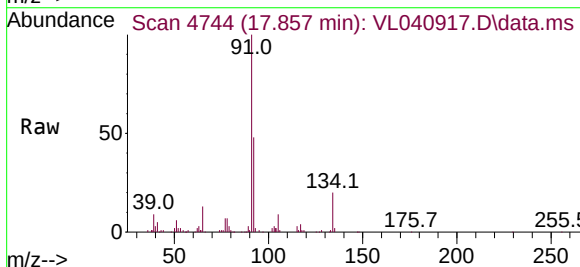
Instrument :
MSVOA_L
ClientSampleId :

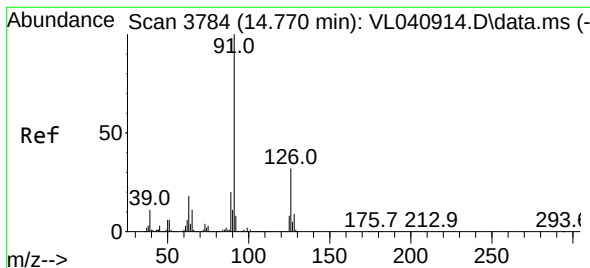
Tgt Ion:119 Resp: 192278
Ion Ratio Lower Upper
119 100
134 26.7 20.3 30.5
91 33.2 24.1 36.1



#70
n-Butylbenzene
Concen: 0.199 ppbv
RT: 17.857 min Scan# 4744
Delta R.T. 0.000 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 91 Resp: 83039
Ion Ratio Lower Upper
91 100
92 0.0 43.4 65.0#
134 46.5 17.6 26.4#





#71

2-Chlorotoluene

Concen: 0.506 ppbv

RT: 14.773 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

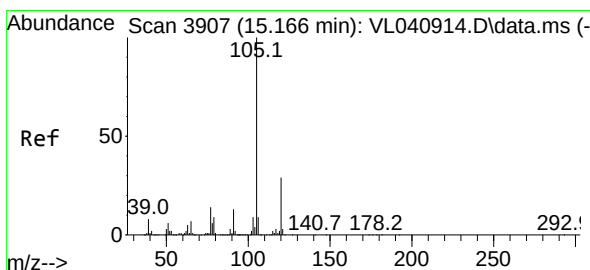
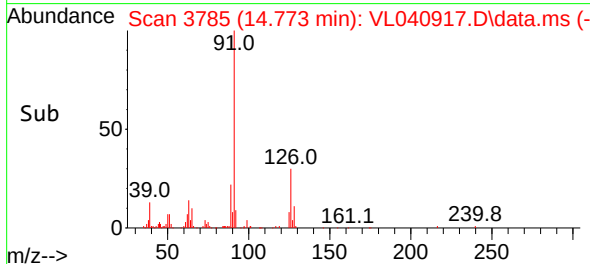
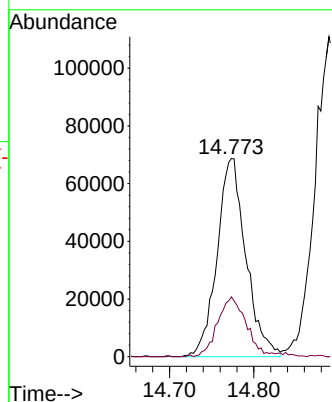
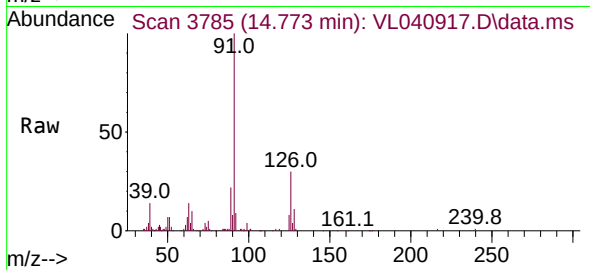
ClientSampleId :

Tgt Ion: 91 Resp: 163378

Ion Ratio Lower Upper

91 100

126 30.8 12.4 49.6



#72

4-Ethyltoluene

Concen: 0.485 ppbv

RT: 15.166 min Scan# 3907

Delta R.T. 0.000 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Tgt Ion: 105 Resp: 150697

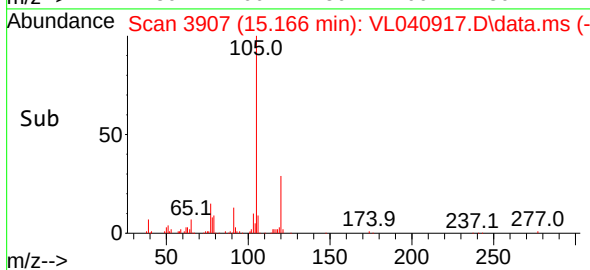
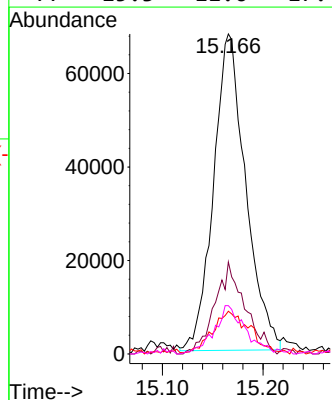
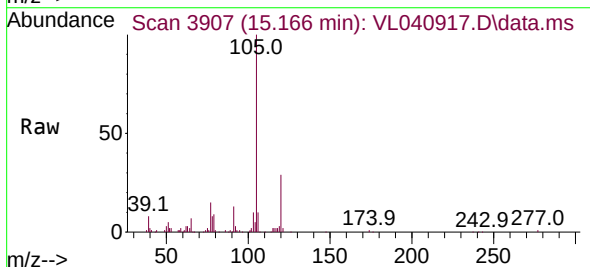
Ion Ratio Lower Upper

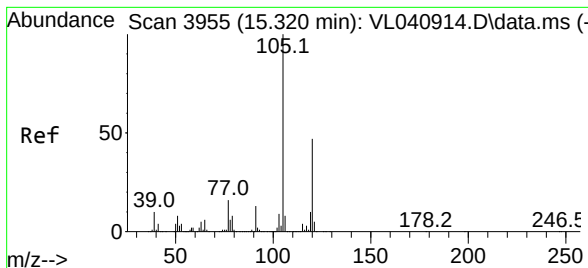
105 100

120 28.0 23.8 35.8

91 14.1 10.9 16.3

77 15.3 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.477 ppbv

RT: 15.323 min Scan# 3955

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

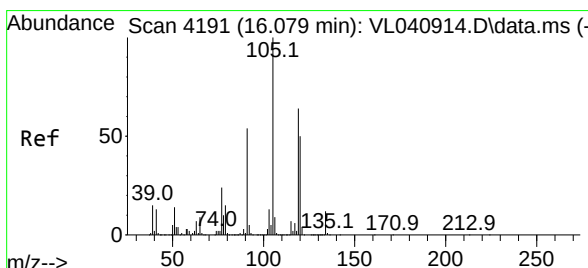
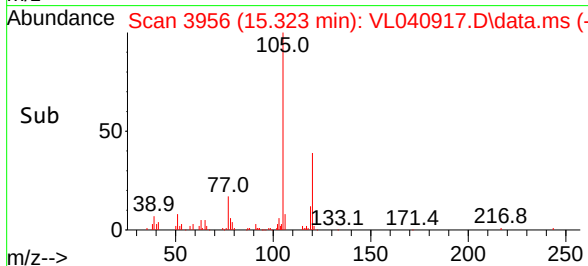
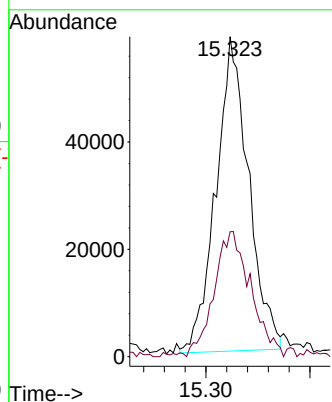
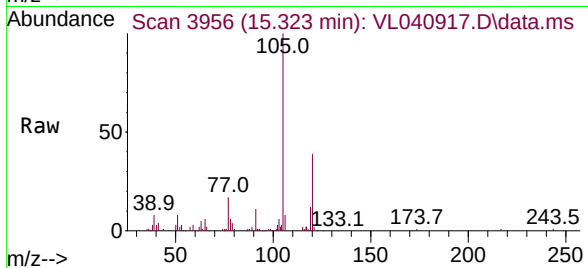
ClientSampleId :

Tgt Ion:105 Resp: 127779

Ion Ratio Lower Upper

105 100

120 41.1 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 0.500 ppbv

RT: 16.076 min Scan# 4190

Delta R.T. -0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Tgt Ion:105 Resp: 149042

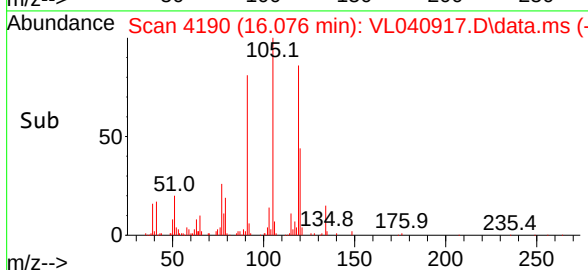
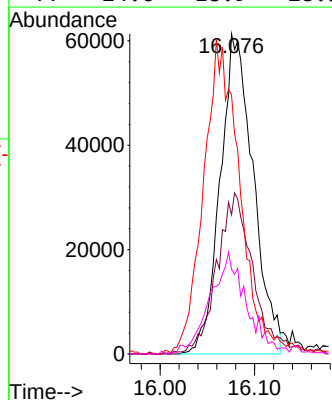
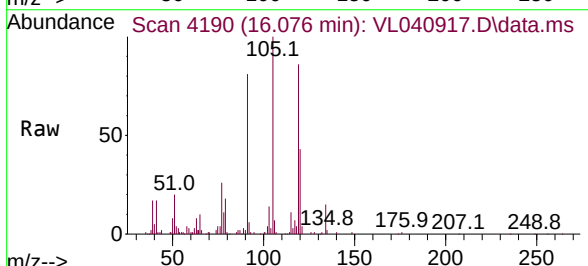
Ion Ratio Lower Upper

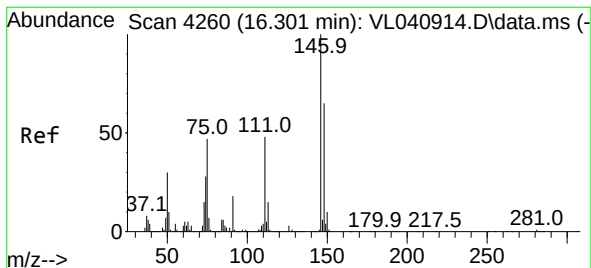
105 100

120 42.8 40.2 60.4

91 77.0 43.0 64.6#

77 24.6 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 0.270 ppbv

RT: 16.304 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

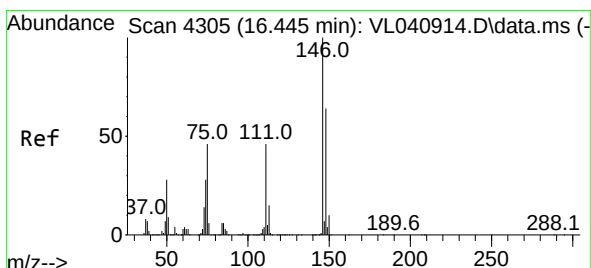
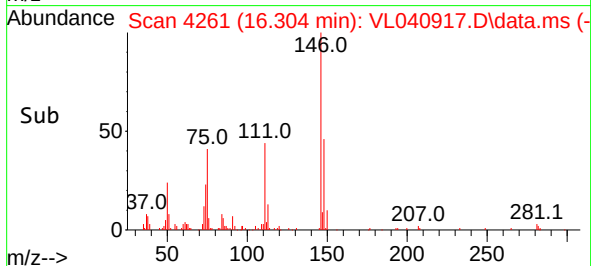
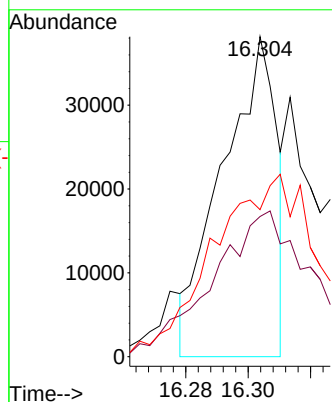
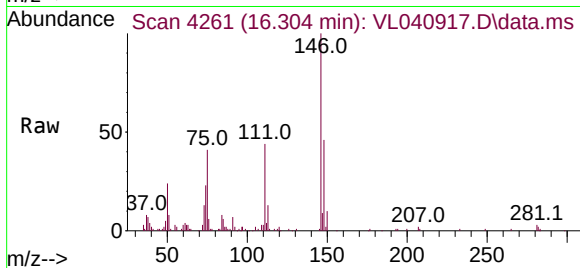
Tgt Ion:146 Resp: 46179

Ion Ratio Lower Upper

146 100

111 0.0 24.7 74.1#

148 0.0 32.1 96.5#



#76

1,4-Dichlorobenzene

Concen: 0.483 ppbv

RT: 16.442 min Scan# 4304

Delta R.T. -0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

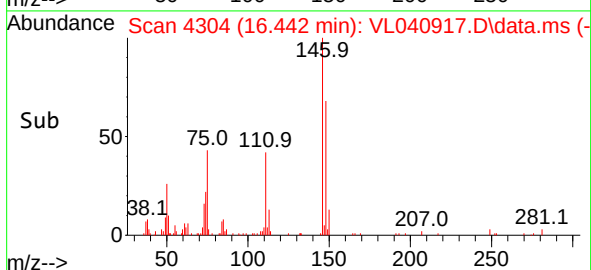
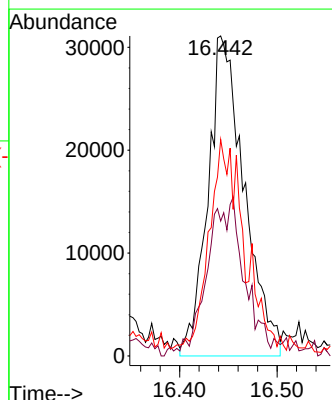
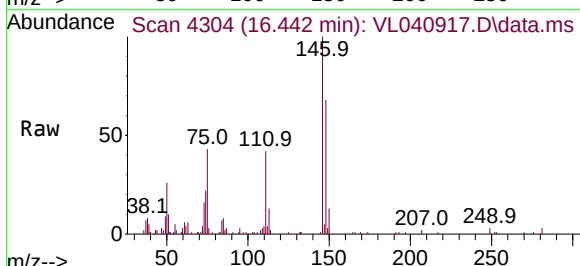
Tgt Ion:146 Resp: 80607

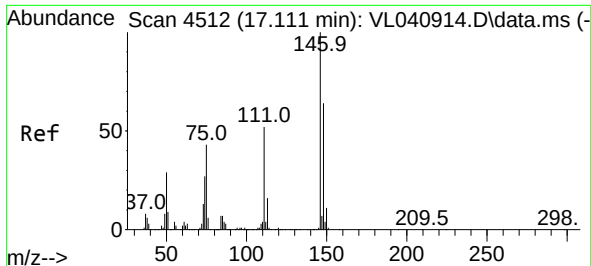
Ion Ratio Lower Upper

146 100

111 51.2 24.1 72.4

148 68.4 33.2 99.6

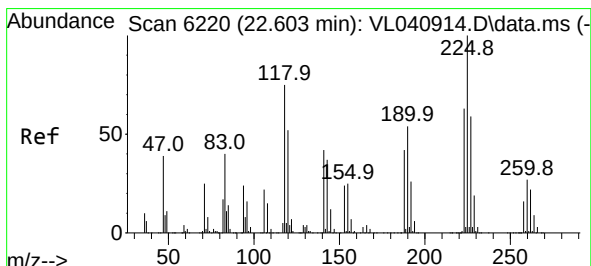
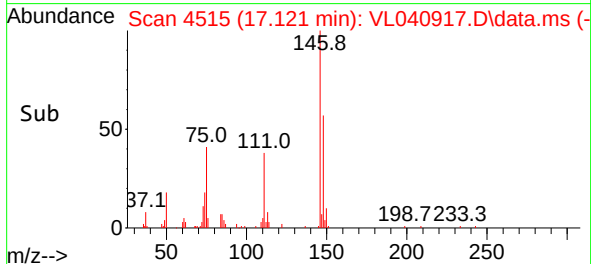
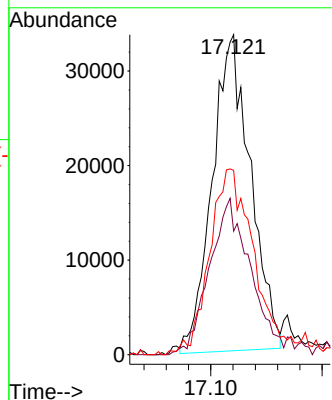
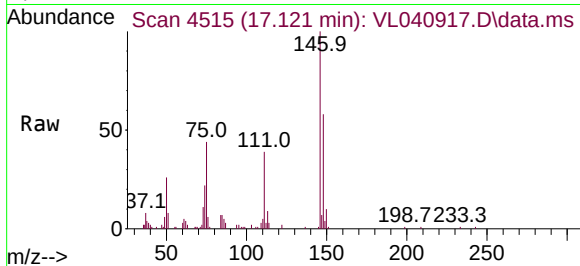




#77
1,2-Dichlorobenzene
Concen: 0.484 ppbv
RT: 17.121 min Scan# 411
Delta R.T. 0.010 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

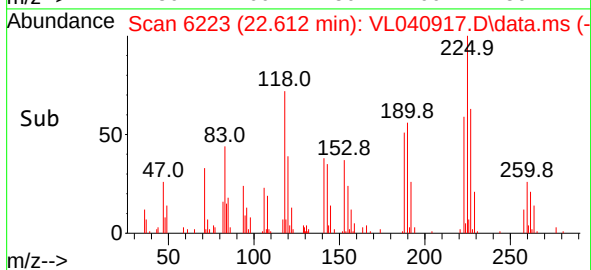
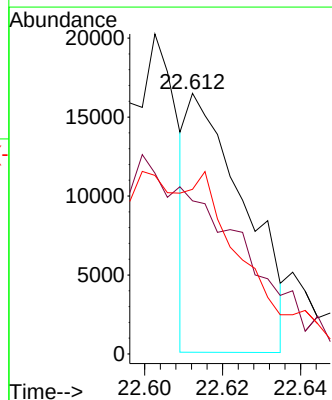
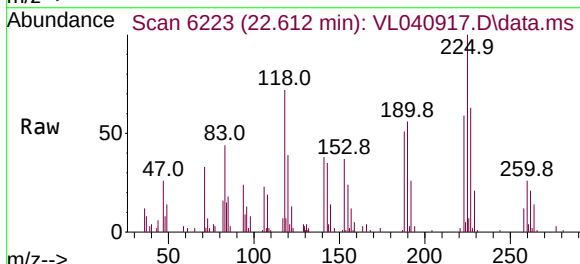
Instrument :
MSVOA_L
ClientSampleId :

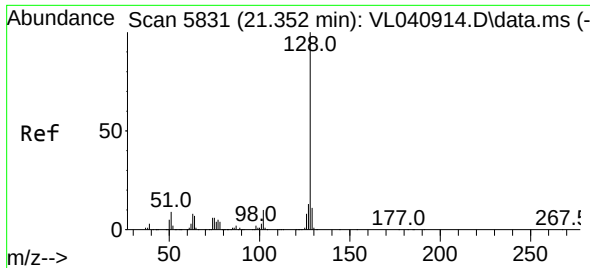
Tgt Ion:146 Resp: 79864
Ion Ratio Lower Upper
146 100
111 53.6 25.5 76.5
148 67.7 32.2 96.6



#78
Hexachloro-1,3-Butadiene
Concen: 0.163 ppbv
RT: 22.612 min Scan# 6223
Delta R.T. 0.010 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion:225 Resp: 16652
Ion Ratio Lower Upper
225 100
223 0.0 51.5 77.3#
227 0.0 51.7 77.5#

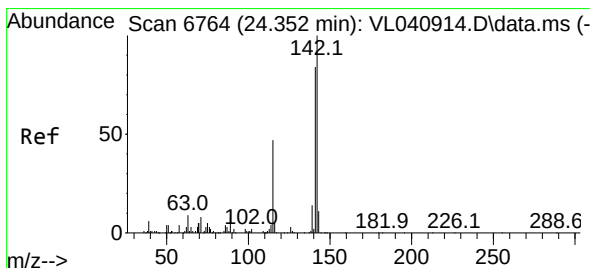
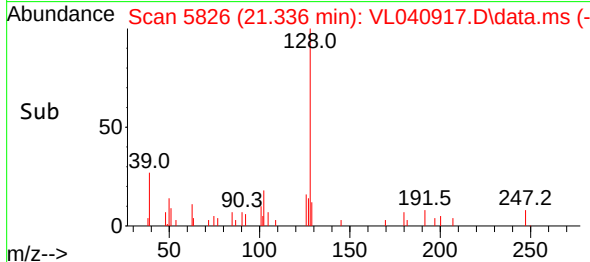
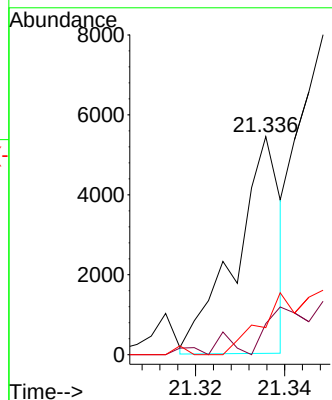
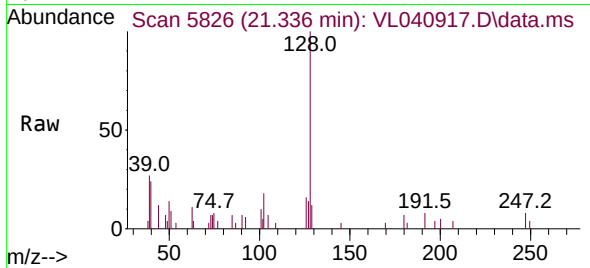




#79
Naphthalene
Concen: 0.027 ppbv
RT: 21.336 min Scan# 5826
Delta R.T. -0.016 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

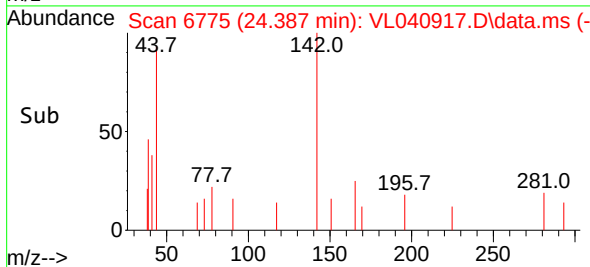
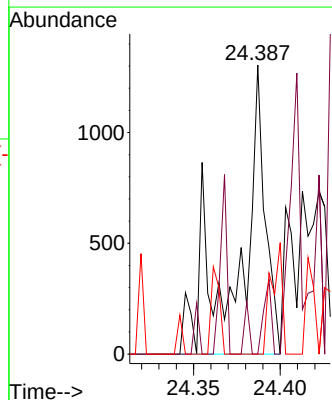
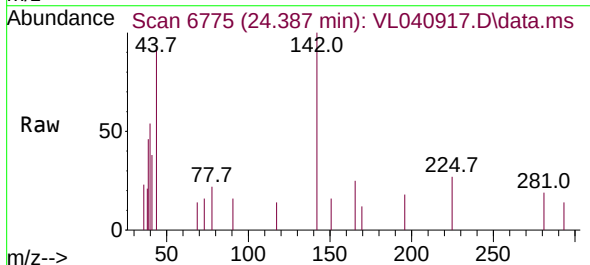
Instrument :
MSVOA_L
ClientSampleId :

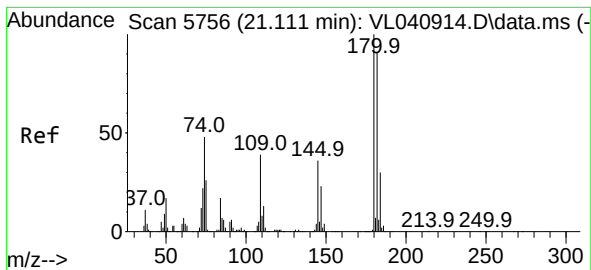
Tgt Ion:128 Resp: 3788
Ion Ratio Lower Upper
128 100
127 12.1 10.6 15.8
129 9.0 8.7 13.1



#80
Naphthalene,2-methyl-
Concen: 0.054 ppbv
RT: 24.387 min Scan# 6775
Delta R.T. 0.035 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

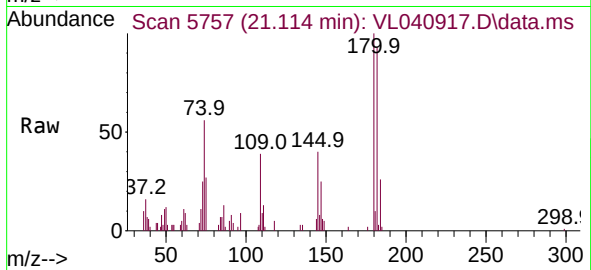
Tgt Ion:142 Resp: 1318
Ion Ratio Lower Upper
142 100
141 0.0 68.5 102.7#
115 16.6 34.5 51.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.179 ppbv
 RT: 21.114 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 14991
 Ion Ratio Lower Upper
 180 100
 182 218.3 79.4 119.0#
 184 67.8 24.5 36.7#

