

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
 Data File : VL039917.D
 Acq On : 21 Nov 2022 20:52
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Nov 22 03:50:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Nov 22 03:45:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	1084979	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.626	114	3056065	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.445	117	2752317	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	2113886	10.055	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.703	85	11110	0.071	ppbv #	76
3) Chlorodifluoromethane	2.652	51	12114	0.081	ppbv	93
4) Chloromethane	2.790	50	9016	0.094	ppbv #	75
5) Vinyl Chloride	2.890	62	3350	0.045	ppbv #	84
6) Bromomethane	3.092	94	950	0.037	ppbv #	54
7) Chloroethane	3.166	64	1462	0.049	ppbv #	65
8) Dichlorotetrafluoroethane	2.832	85	14919	0.084	ppbv	100
9) Propene	2.674	41	10478	0.149	ppbv	100
10) Heptane	7.558	43	9889	0.058	ppbv #	82
11) Trichlorofluoromethane	3.539	101	7680	0.041	ppbv	86
12) 1,1,2-Trichlorotrifluo...	4.037	101	7052	0.049	ppbv #	12
13) Ethanol	3.201	45	284	0.053	ppbv #	38
14) Bromoethene	3.336	108	2635	0.047	ppbv #	16
15) Acetone	3.462	43	32954	0.229	ppbv #	84
16) 1,3-Butadiene	2.957	39	3179	0.044	ppbv #	10
17) tert-Butyl alcohol	3.880	59	5661	0.034	ppbv #	72
18) 1,1-Dichloroethene	3.851	96	3306	0.051	ppbv #	54
20) Methylene Chloride	3.909	84	24051	0.345	ppbv	91
21) Allyl Chloride	3.973	41	3770	0.038	ppbv #	1
22) trans-1,2-Dichloroethene	4.417	96	3239	0.049	ppbv #	32
23) Vinyl Acetate	4.597	43	2812	0.048	ppbv #	82
24) 1,1-Dichloroethane	4.536	63	4805	0.034	ppbv #	93
25) Ethyl Acetate	5.192	43	25566	0.097	ppbv #	87
26) Hexane	5.189	57	4694	0.041	ppbv #	1
29) Chloroform	5.250	83	9717	0.063	ppbv	86
31) cis-1,2-Dichloroethene	5.050	61	4295	0.040	ppbv	89
32) 1,1,1-Trichloroethane	5.976	97	14485	0.076	ppbv	98
35) Carbon Tetrachloride	6.468	117	6824	0.039	ppbv #	80
36) Benzene	6.340	78	14851	0.057	ppbv #	90
37) 1,2-Dichloroethane	5.783	62	7287	0.051	ppbv #	84
38) Trichloroethene	7.266	130	4677	0.032	ppbv #	60
39) 1,2-Dichloropropane	6.626	63	762611	7.535	ppbv #	25
44) 2,2,4-Trimethylpentane	7.307	57	16139	0.037	ppbv #	32
47) 1,1,2-Trichloroethane	8.873	97	4466	0.043	ppbv #	62
52) Tetrachloroethene	10.597	164	5297	0.055	ppbv #	58
53) Toluene	9.204	91	10897	0.037	ppbv #	19
54) 1,2-Dibromoethane	9.995	107	3903	0.035	ppbv #	68
57) Chlorobenzene	11.503	112	12356	0.059	ppbv #	44
58) Ethyl Benzene	12.063	91	14919	0.040	ppbv	92
59) m/p-Xylene	12.355	91	13497	0.043	ppbv #	30
67) sec-Butylbenzene	16.622	105	22518	0.044	ppbv #	72
69) p-Isopropyltoluene	16.992	119	25940	0.061	ppbv	92
71) 2-Chlorotoluene	14.789	91	10120	0.031	ppbv #	29

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MSVOA_L
ClientSampleId :
VIBLK

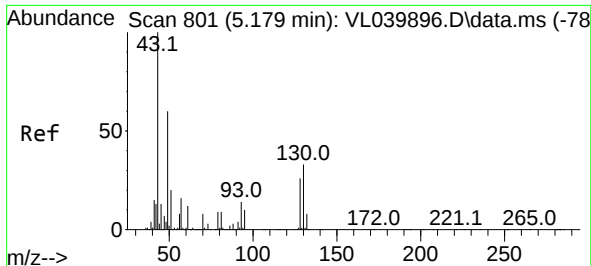
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Nov 22 03:45:31 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.346	105	10188	0.033	ppbv	# 75

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

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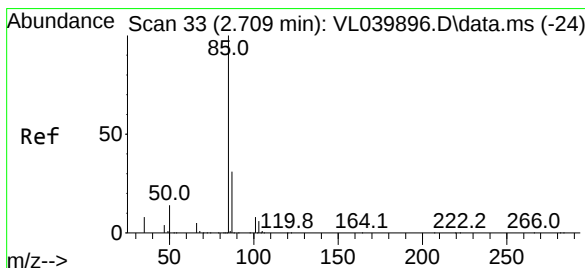
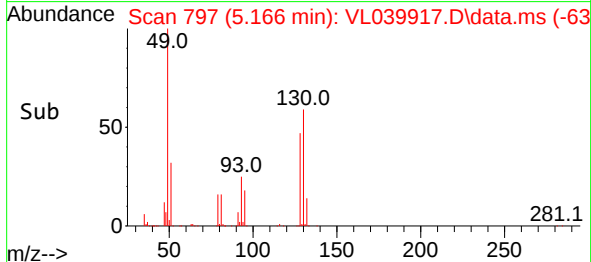
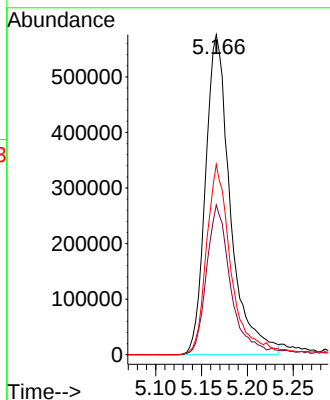
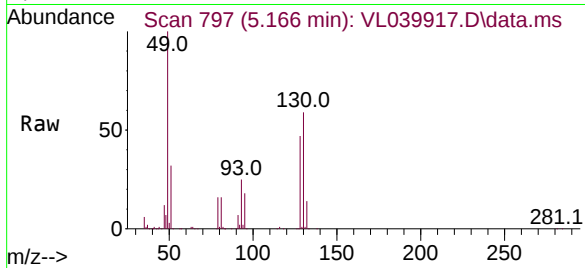




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. 0.010 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

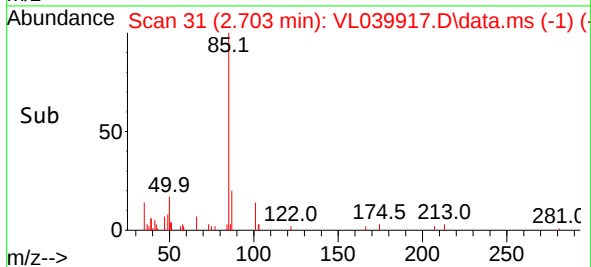
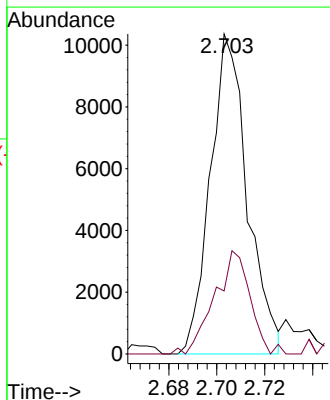
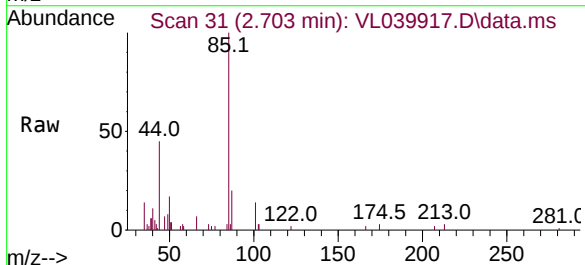
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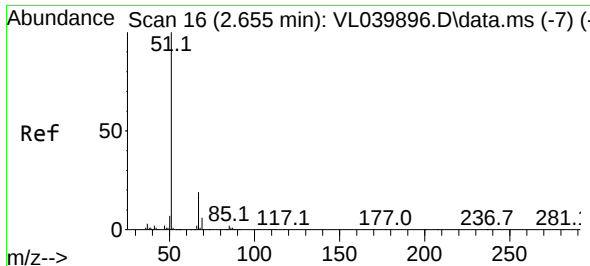
Tgt Ion: 49 Resp: 1084979
Ion Ratio Lower Upper
49 100
128 46.7 22.1 66.3
130 60.9 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 0.071 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion: 85 Resp: 11110
Ion Ratio Lower Upper
85 100
87 17.9 25.0 37.4#

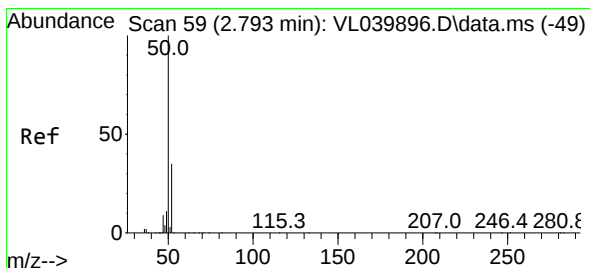
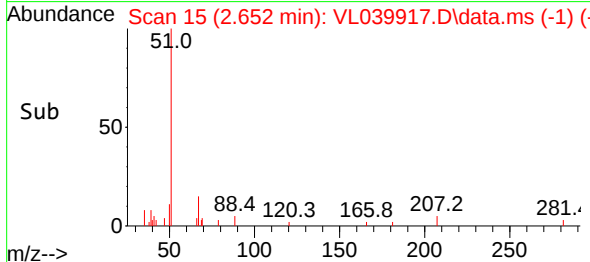
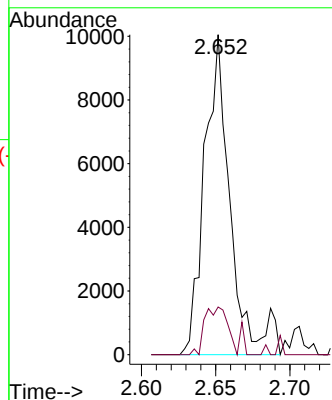
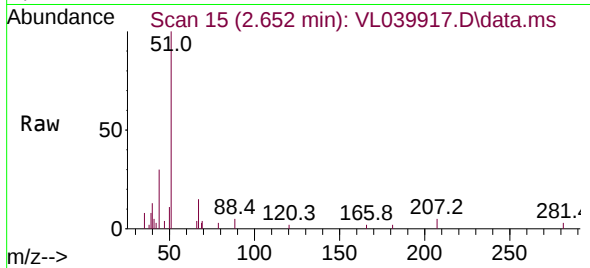




#3
Chlorodifluoromethane
Concen: 0.081 ppbv
RT: 2.652 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

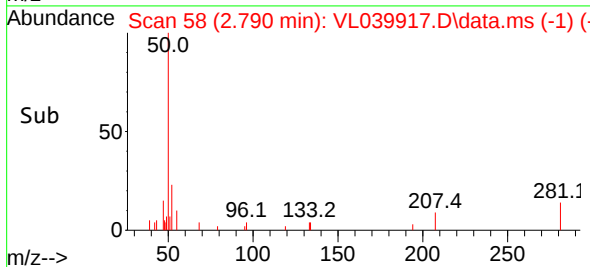
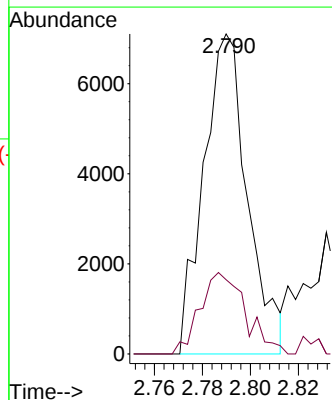
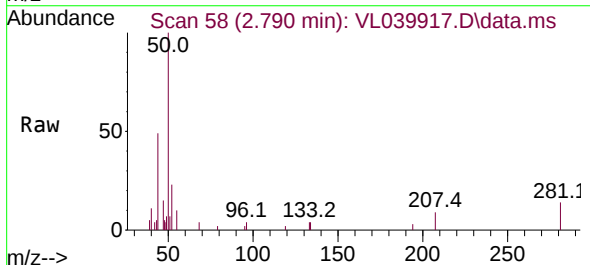
Instrument :
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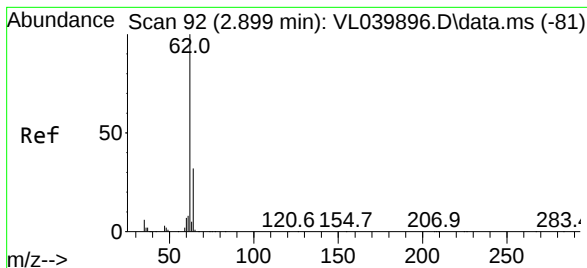
Tgt Ion: 51 Resp: 12114
Ion Ratio Lower Upper
51 100
67 14.9 14.2 21.4



#4
Chloromethane
Concen: 0.094 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.010 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion: 50 Resp: 9016
Ion Ratio Lower Upper
50 100
52 20.6 27.8 41.8#

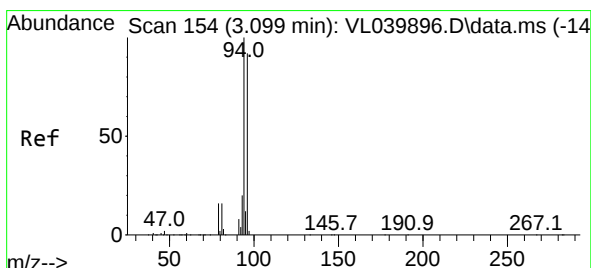
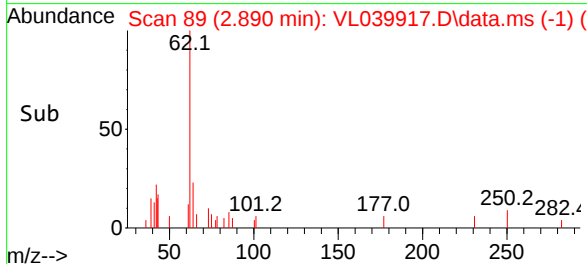
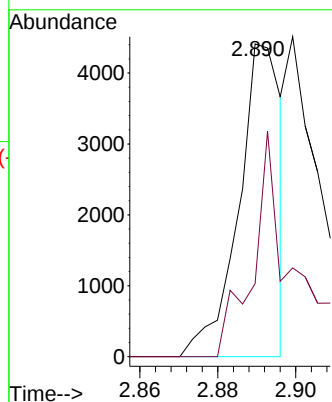
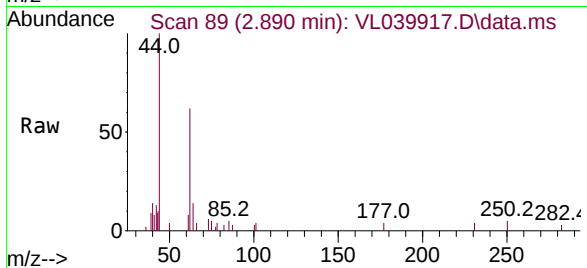




#5
 Vinyl Chloride
 Concen: 0.045 ppbv
 RT: 2.890 min Scan# 89
 Delta R.T. 0.003 min
 Lab File: VL039917.D
 Acq: 21 Nov 2022 20:52

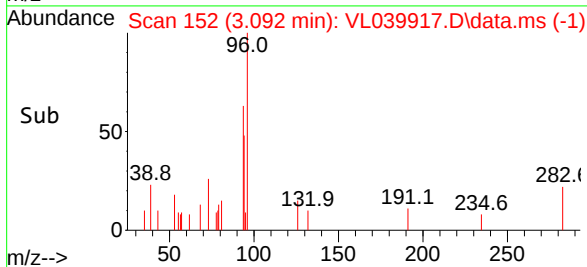
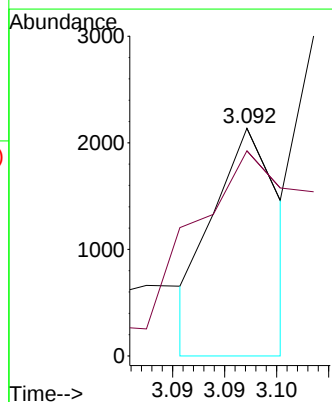
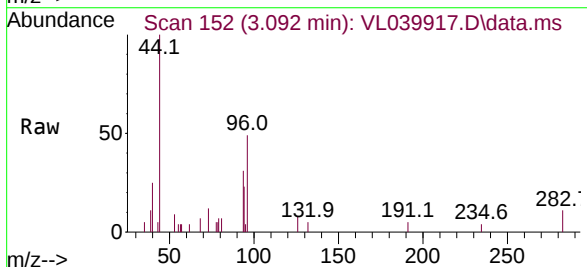
Instrument :
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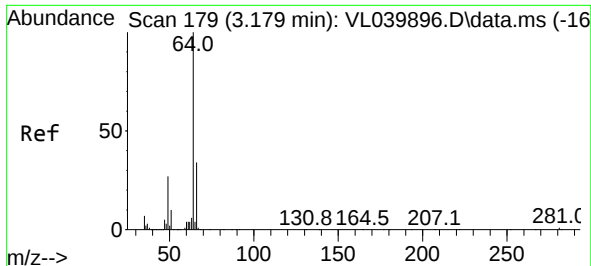
Tgt Ion: 62 Resp: 3350
 Ion Ratio Lower Upper
 62 100
 64 23.3 25.7 38.5#



#6
 Bromomethane
 Concen: 0.037 ppbv
 RT: 3.092 min Scan# 152
 Delta R.T. 0.006 min
 Lab File: VL039917.D
 Acq: 21 Nov 2022 20:52

Tgt Ion: 94 Resp: 950
 Ion Ratio Lower Upper
 94 100
 96 48.7 73.7 110.5#

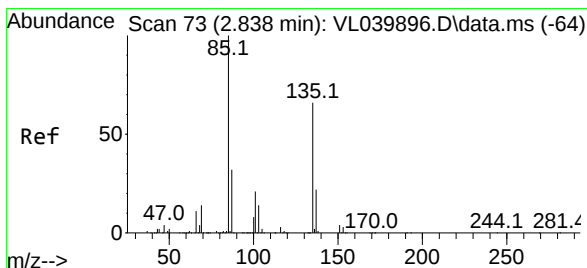
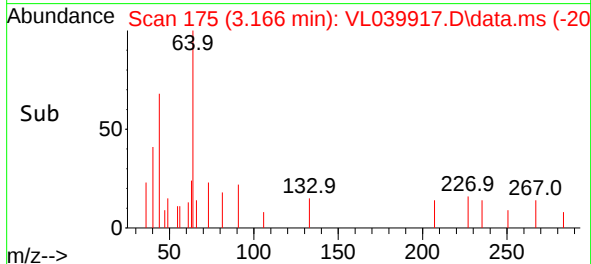
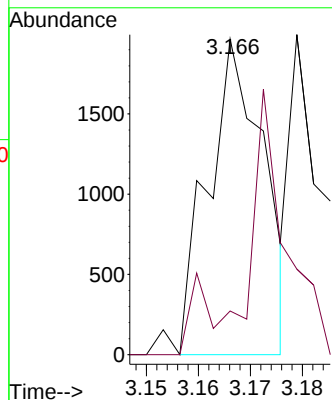
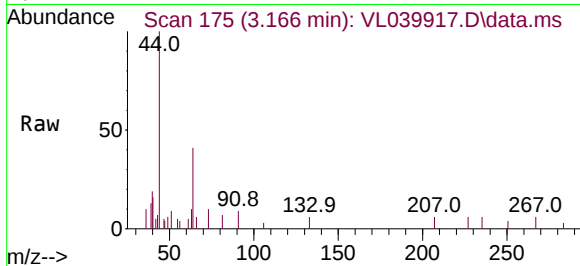




#7
Chloroethane
Concen: 0.049 ppbv
RT: 3.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

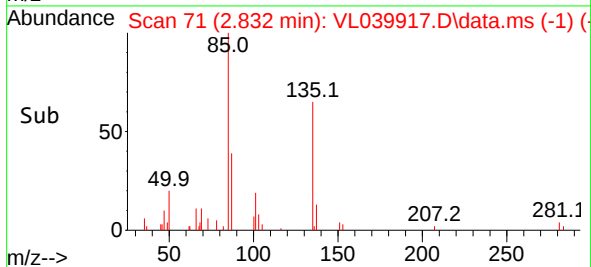
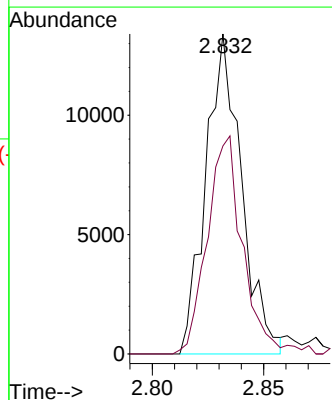
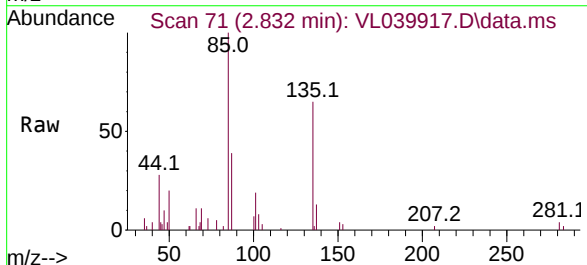
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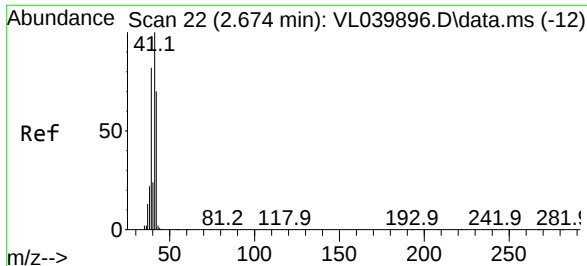
Tgt Ion: 64 Resp: 1462
Ion Ratio Lower Upper
64 100
66 13.8 27.3 40.9#



#8
Dichlorotetrafluoroethane
Concen: 0.084 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion: 85 Resp: 14919
Ion Ratio Lower Upper
85 100
135 68.0 54.1 81.1

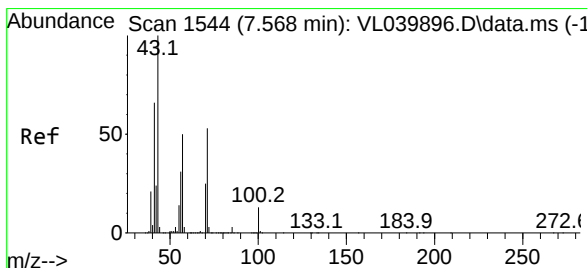
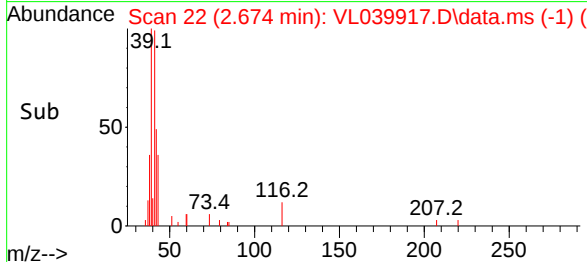
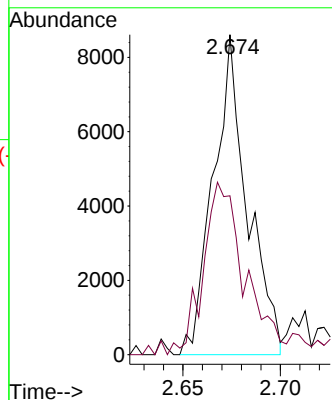
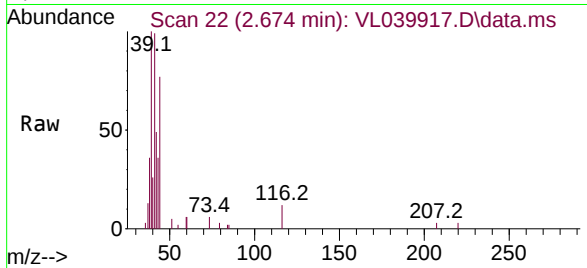




#9
 Propene
 Concen: 0.149 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. 0.013 min
 Lab File: VL039917.D
 Acq: 21 Nov 2022 20:52

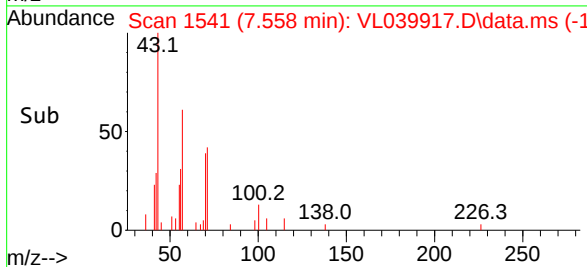
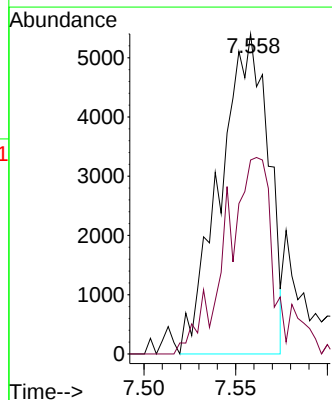
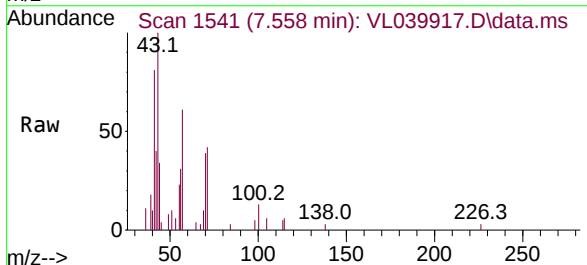
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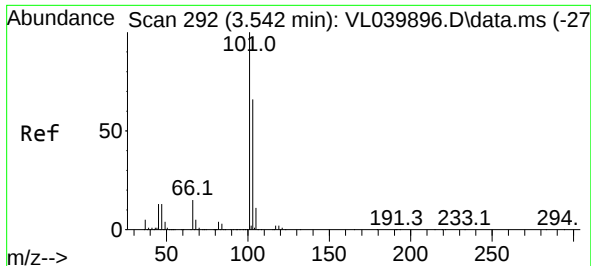
Tgt Ion: 41 Resp: 10478
 Ion Ratio Lower Upper
 41 100
 42 70.1 55.8 83.6



#10
 Heptane
 Concen: 0.058 ppbv
 RT: 7.558 min Scan# 1541
 Delta R.T. 0.013 min
 Lab File: VL039917.D
 Acq: 21 Nov 2022 20:52

Tgt Ion: 43 Resp: 9889
 Ion Ratio Lower Upper
 43 100
 57 63.4 40.7 61.1#

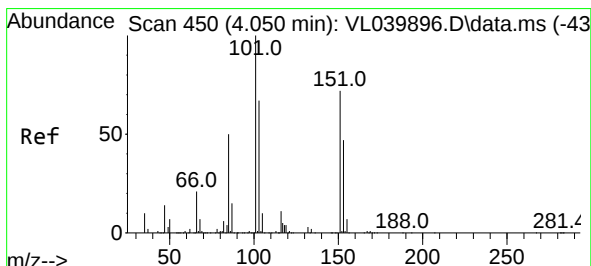
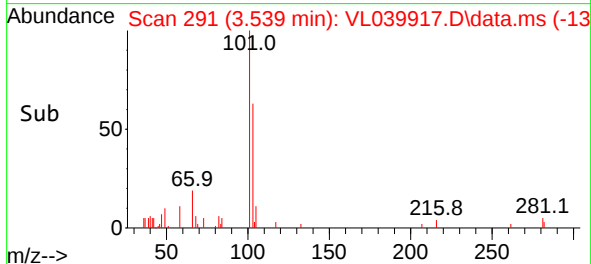
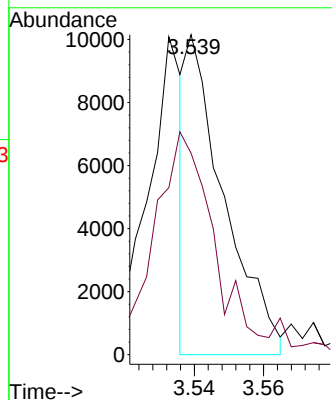
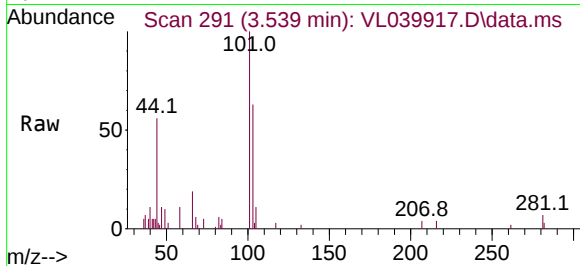




#11
 Trichlorofluoromethane
 Concen: 0.041 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. 0.010 min
 Lab File: VL039917.D
 Acq: 21 Nov 2022 20:52

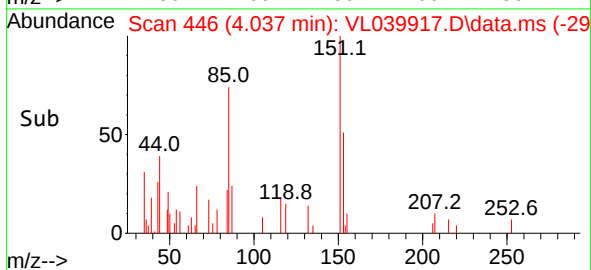
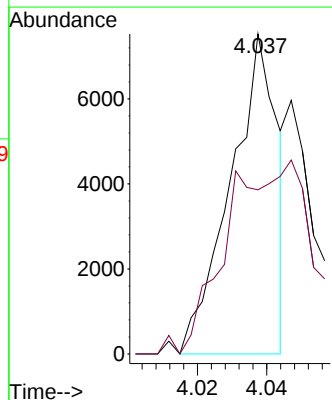
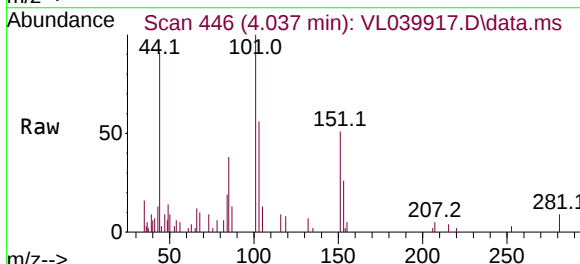
Instrument :
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 ClientSampleId :
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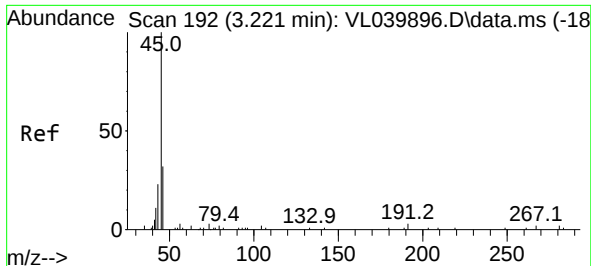
Tgt Ion:101 Resp: 7680
 Ion Ratio Lower Upper
 101 100
 103 54.5 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.049 ppbv
 RT: 4.037 min Scan# 446
 Delta R.T. 0.003 min
 Lab File: VL039917.D
 Acq: 21 Nov 2022 20:52

Tgt Ion:101 Resp: 7052
 Ion Ratio Lower Upper
 101 100
 151 0.0 59.6 89.4#

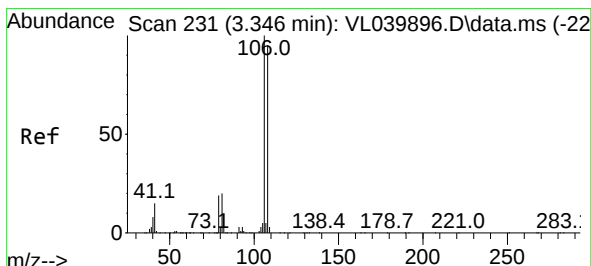
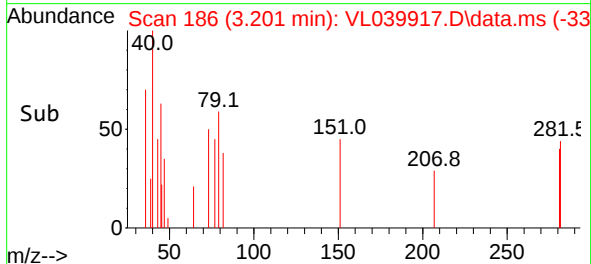
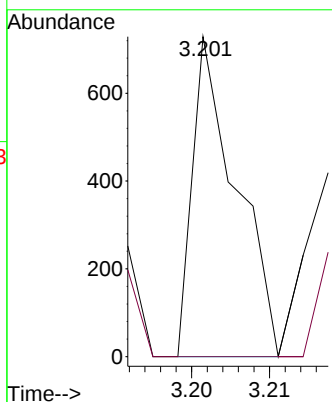
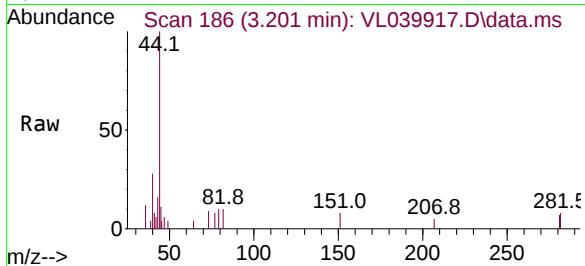




#13
Ethanol
Concen: 0.053 ppbv
RT: 3.201 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

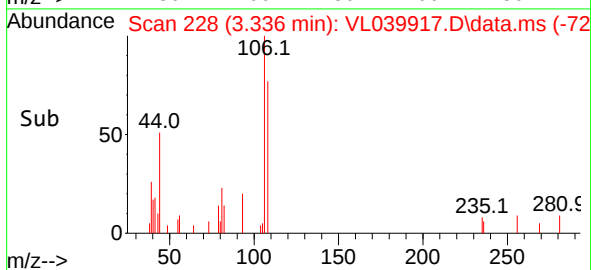
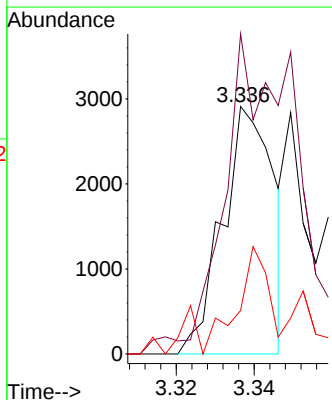
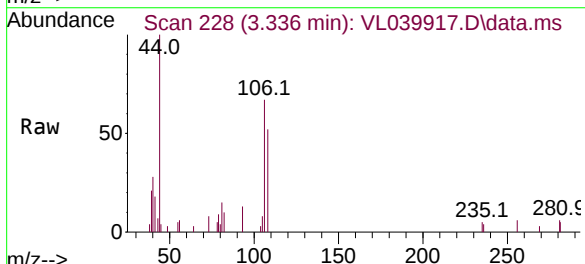
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

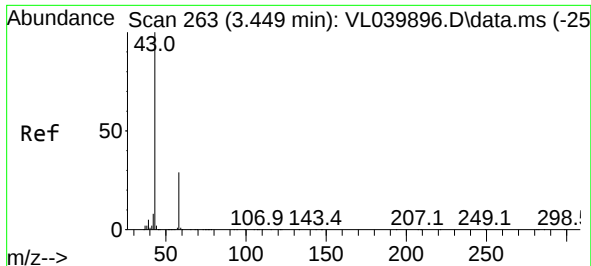
Tgt Ion: 45 Resp: 284
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2#



#14
Bromoethene
Concen: 0.047 ppbv
RT: 3.336 min Scan# 228
Delta R.T. 0.003 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion: 108 Resp: 2635
Ion Ratio Lower Upper
108 100
106 200.9 87.3 130.9#
79 49.1 15.9 23.9#

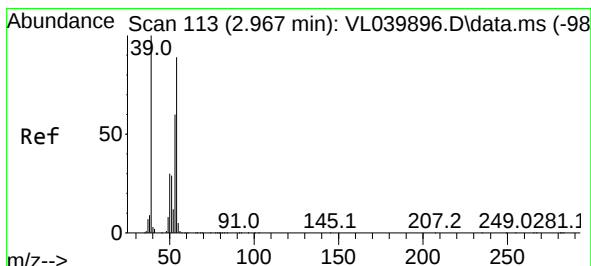
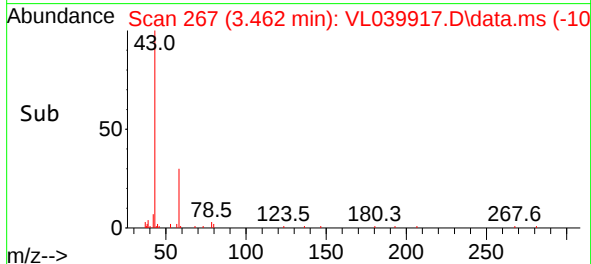
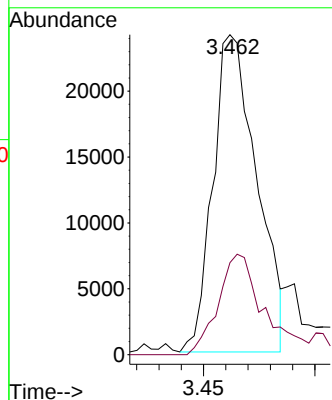
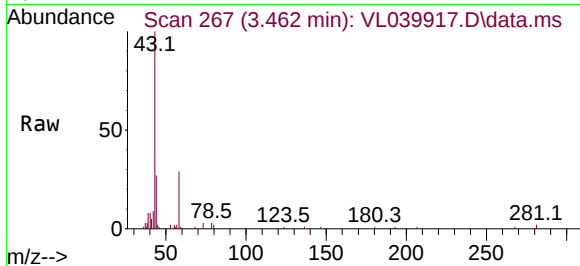




#15
Acetone
Concen: 0.229 ppbv
RT: 3.462 min Scan# 210
Delta R.T. 0.029 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

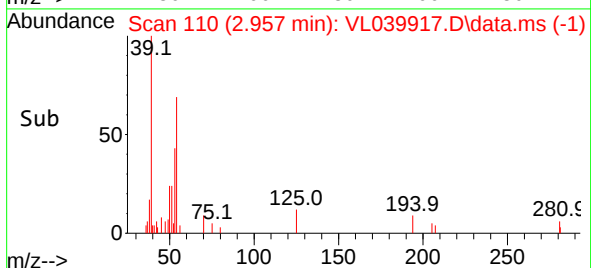
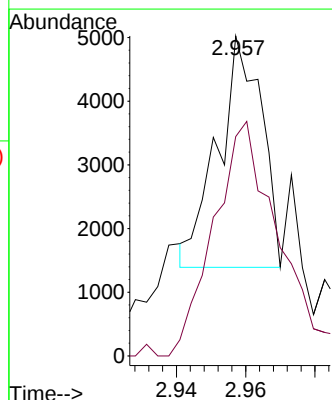
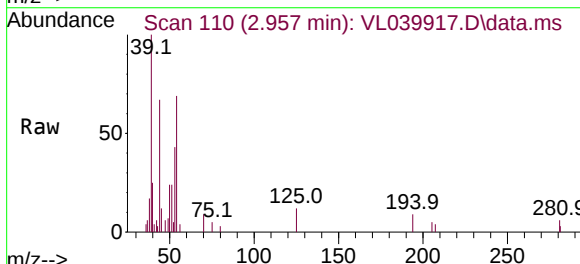
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

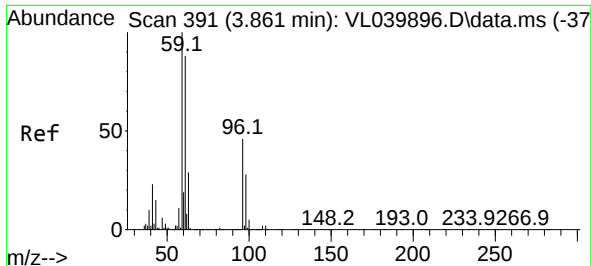
Tgt Ion: 43 Resp: 32954
Ion Ratio Lower Upper
43 100
58 37.1 22.9 34.3#



#16
1,3-Butadiene
Concen: 0.044 ppbv
RT: 2.957 min Scan# 110
Delta R.T. 0.003 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion: 39 Resp: 3179
Ion Ratio Lower Upper
39 100
54 164.3 66.6 99.8#





#17

tert-Butyl alcohol

Concen: 0.034 ppbv

RT: 3.880 min Scan# 391

Delta R.T. 0.035 min

Lab File: VL039917.D

Acq: 21 Nov 2022 20:52

Instrument :

MSVOA_L

ClientSampleId :

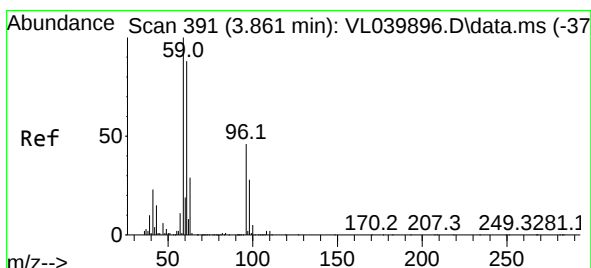
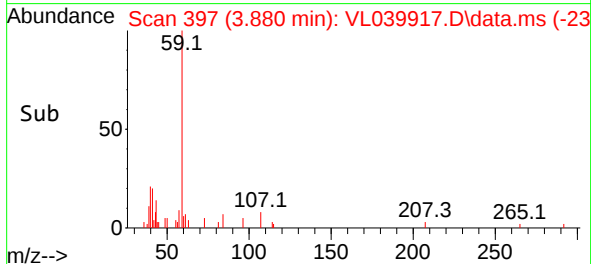
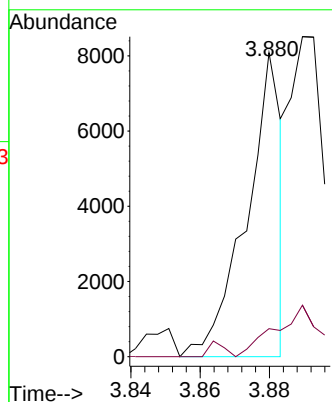
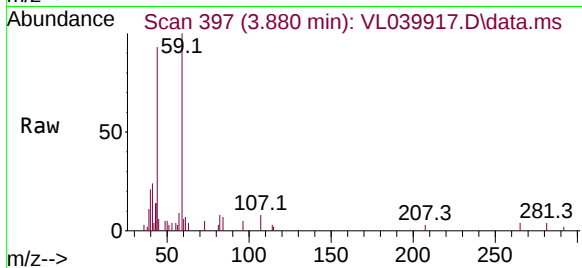
VIBLK

Tgt Ion: 59 Resp: 5661

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.051 ppbv

RT: 3.851 min Scan# 388

Delta R.T. 0.006 min

Lab File: VL039917.D

Acq: 21 Nov 2022 20:52

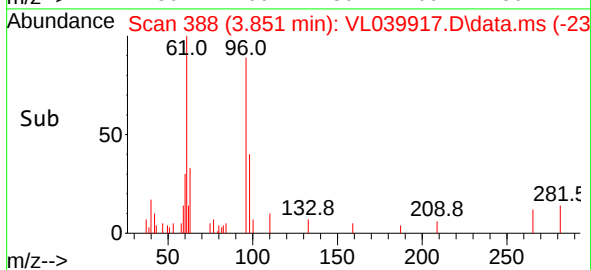
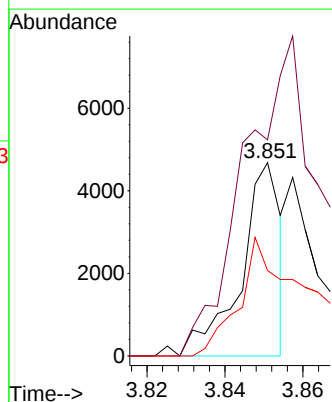
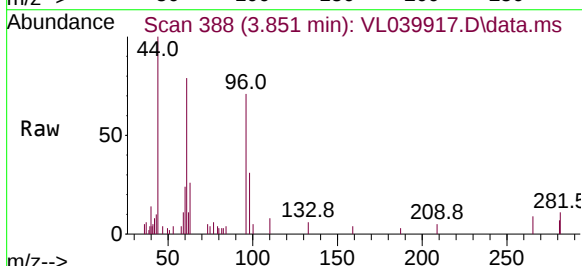
Tgt Ion: 96 Resp: 3306

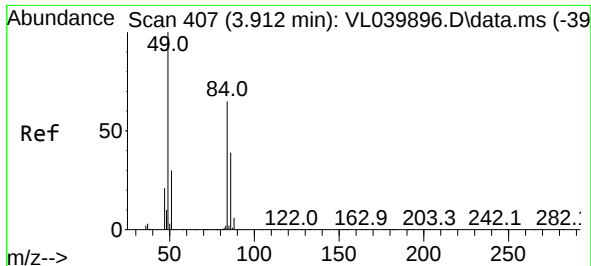
Ion Ratio Lower Upper

96 100

61 111.8 153.4 230.2#

98 44.2 48.9 73.3#





#20

Methylene Chloride

Concen: 0.345 ppbv

RT: 3.909 min Scan# 406

Delta R.T. 0.010 min

Lab File: VL039917.D

Acq: 21 Nov 2022 20:52

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 24051

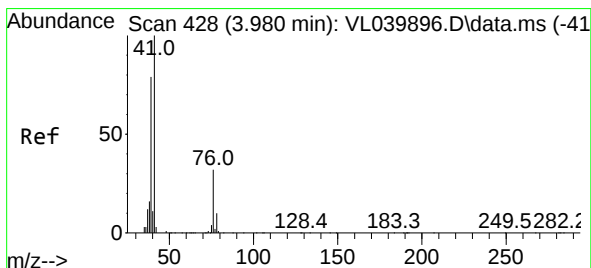
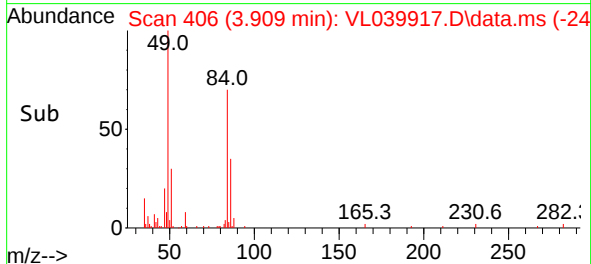
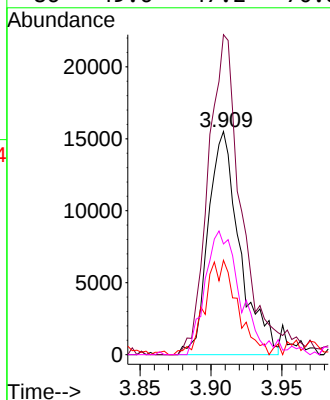
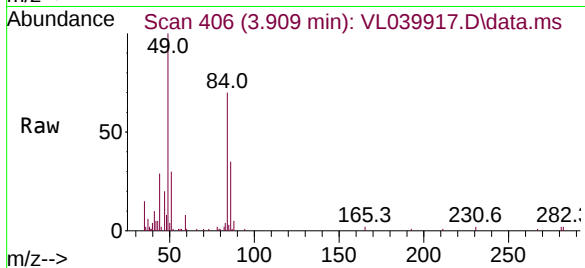
Ion Ratio Lower Upper

84 100

49 143.3 122.2 183.4

51 40.5 36.3 54.5

86 49.6 47.2 70.8



#21

Allyl Chloride

Concen: 0.038 ppbv

RT: 3.973 min Scan# 426

Delta R.T. 0.010 min

Lab File: VL039917.D

Acq: 21 Nov 2022 20:52

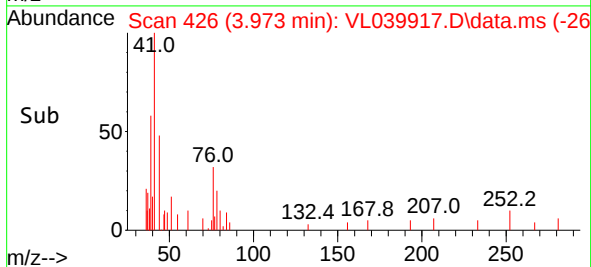
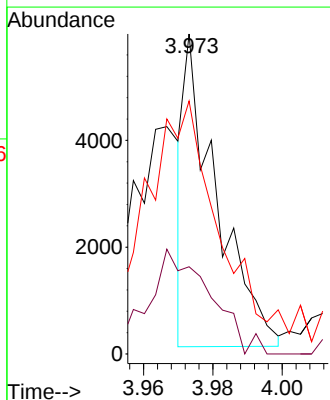
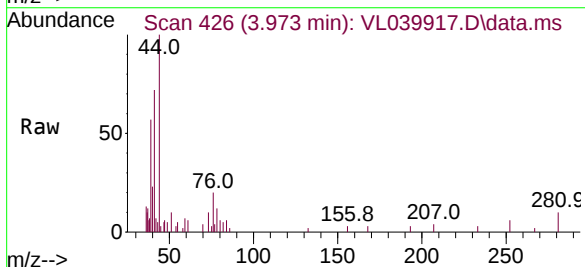
Tgt Ion: 41 Resp: 3770

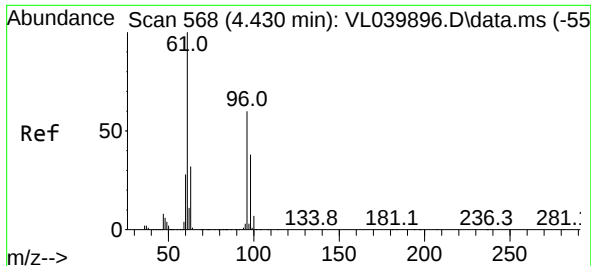
Ion Ratio Lower Upper

41 100

76 0.0 25.6 38.4#

39 222.0 65.2 97.8#

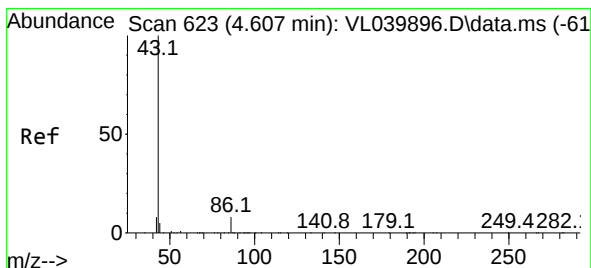
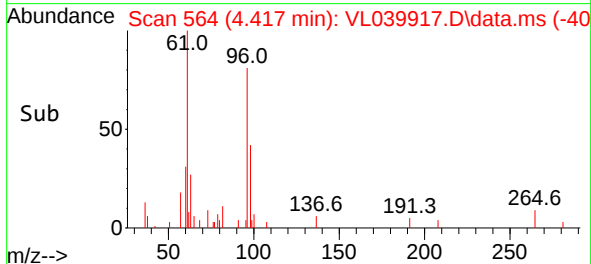
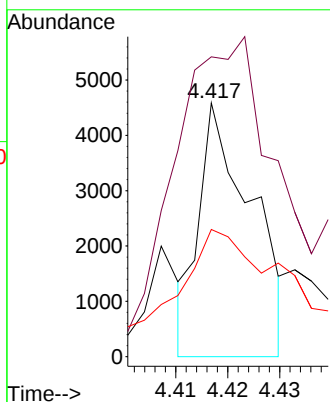
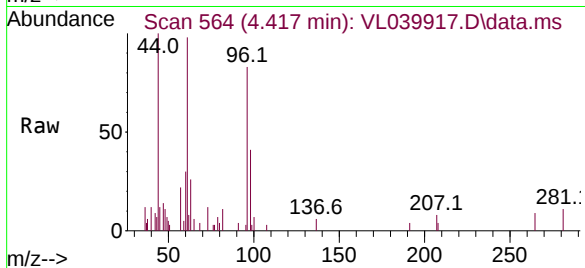




#22
trans-1,2-Dichloroethene
Concen: 0.049 ppbv
RT: 4.417 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

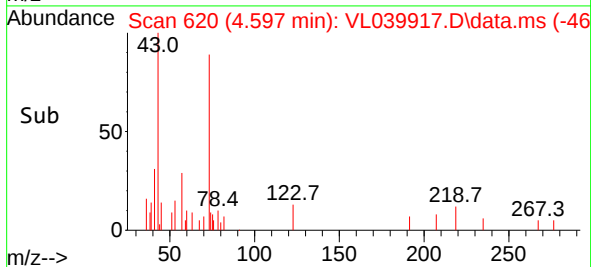
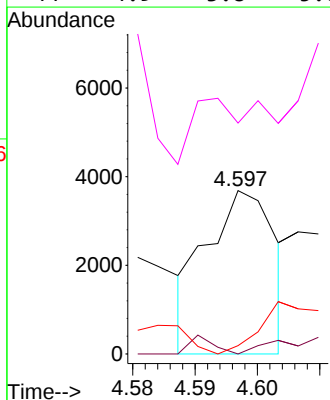
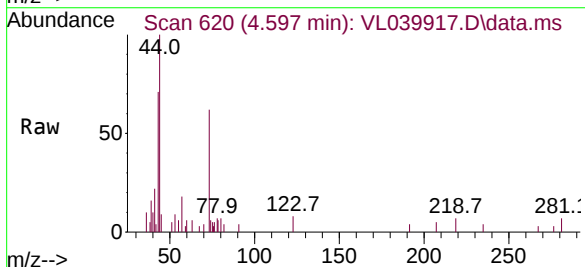
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

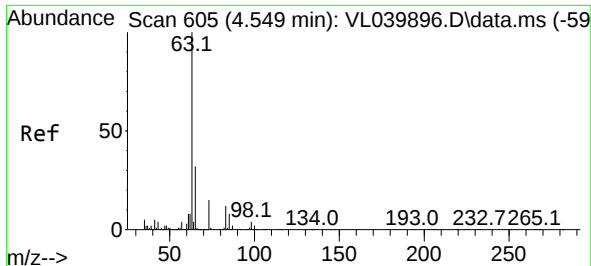
Tgt Ion: 96 Resp: 3239
Ion Ratio Lower Upper
96 100
61 58.0 134.1 201.1#
98 37.0 50.4 75.6#



#23
Vinyl Acetate
Concen: 0.048 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.006 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion: 43 Resp: 2812
Ion Ratio Lower Upper
43 100
86 0.0 5.0 7.4#
42 0.0 7.6 11.4#
44 4.9 3.8 5.6

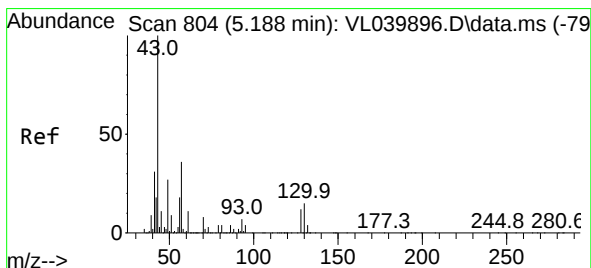
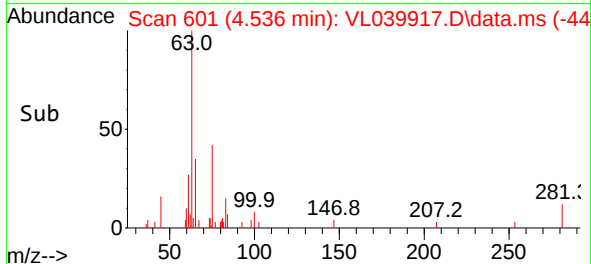
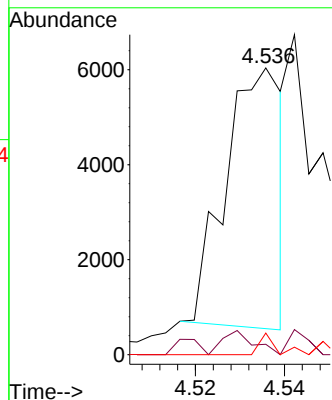
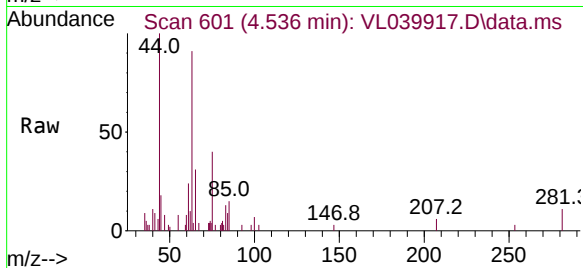




#24
1,1-Dichloroethane
Concen: 0.034 ppbv
RT: 4.536 min Scan# 605
Delta R.T. 0.006 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

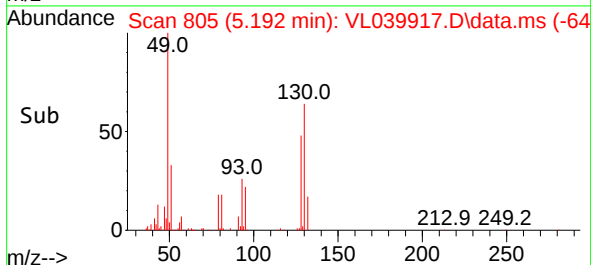
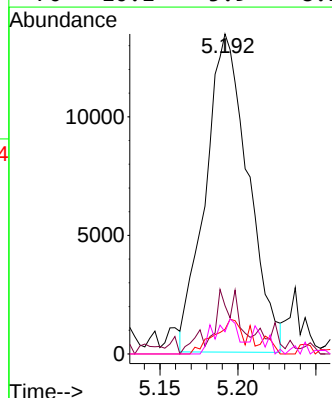
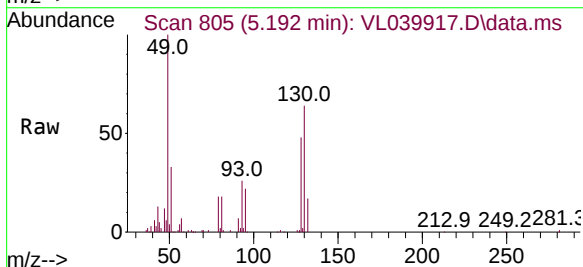
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

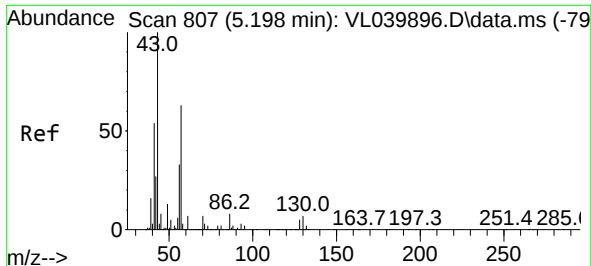
Tgt Ion: 63 Resp: 4805
Ion Ratio Lower Upper
63 100
98 4.1 2.1 6.5
100 8.5 1.1 3.5#



#25
Ethyl Acetate
Concen: 0.097 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.022 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion: 43 Resp: 25566
Ion Ratio Lower Upper
43 100
45 20.6 8.4 12.6#
61 9.4 8.5 12.7
70 10.1 5.9 8.9#

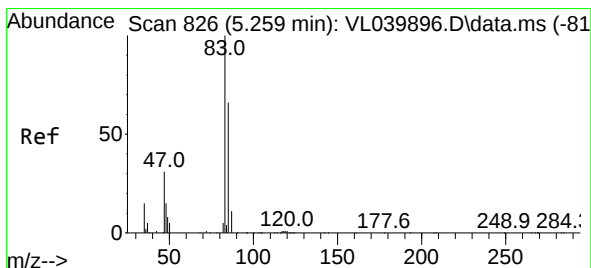
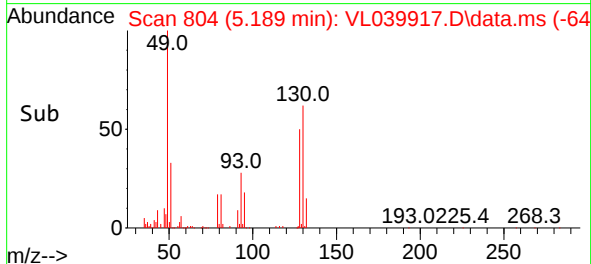
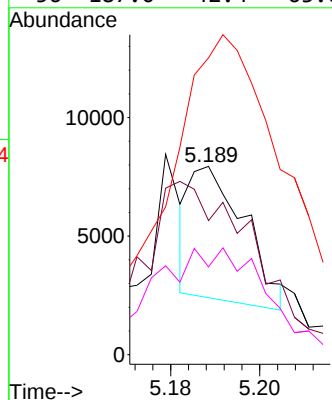
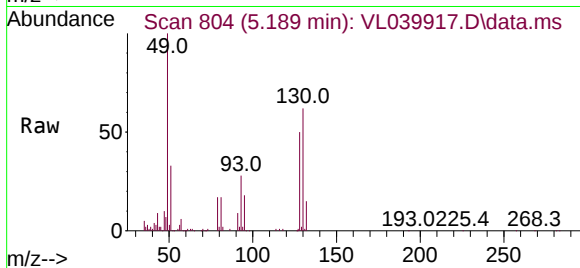




#26
Hexane
Concen: 0.041 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.006 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

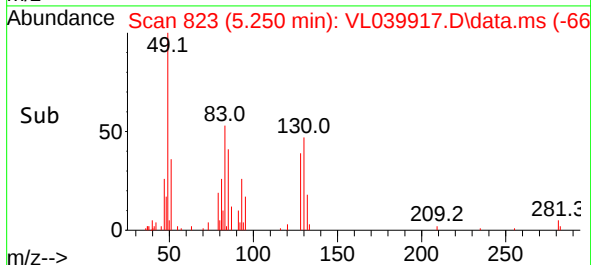
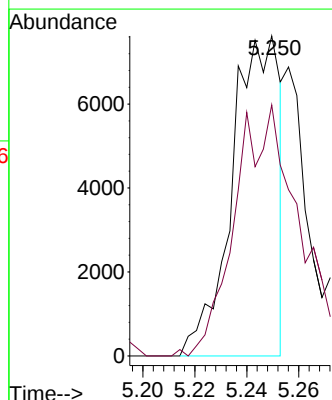
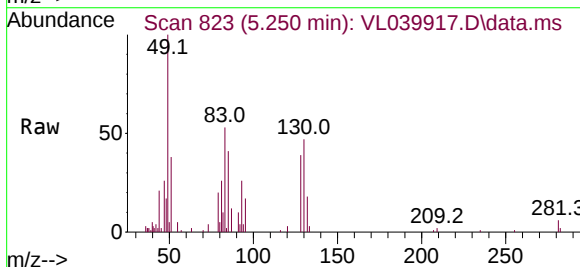
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

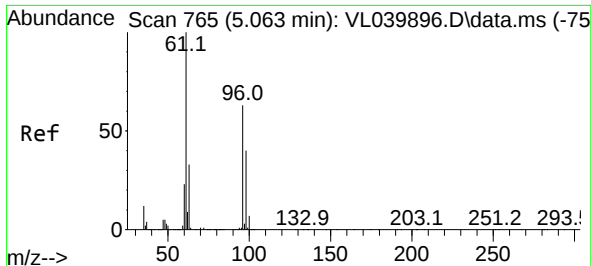
Tgt Ion: 57 Resp: 4694
Ion Ratio Lower Upper
57 100
41 0.0 72.3 108.5#
43 635.7 188.7 283.1#
56 187.0 42.4 63.6#



#29
Chloroform
Concen: 0.063 ppbv
RT: 5.250 min Scan# 823
Delta R.T. 0.010 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion: 83 Resp: 9717
Ion Ratio Lower Upper
83 100
85 76.5 52.4 78.6



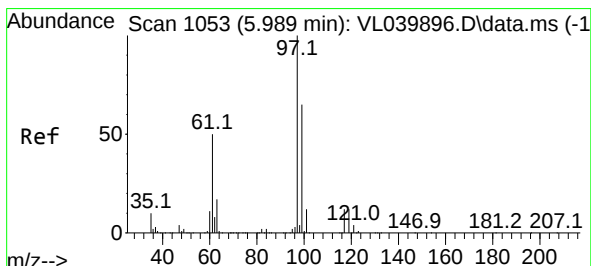
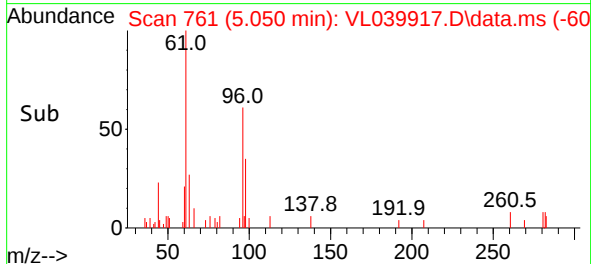
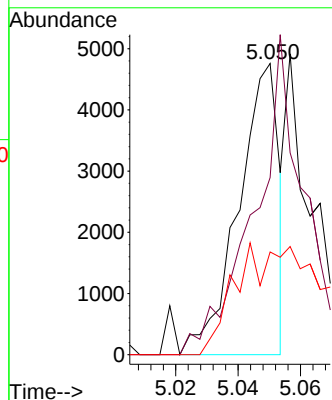
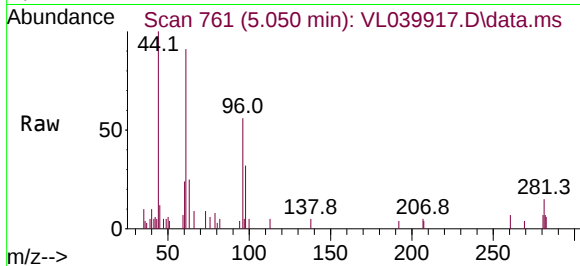


#31
 cis-1,2-Dichloroethene
 Concen: 0.040 ppbv
 RT: 5.050 min Scan# 761
 Delta R.T. 0.006 min
 Lab File: VL039917.D
 Acq: 21 Nov 2022 20:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion: 61 Resp: 4295

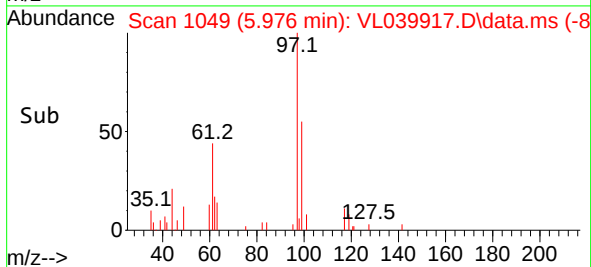
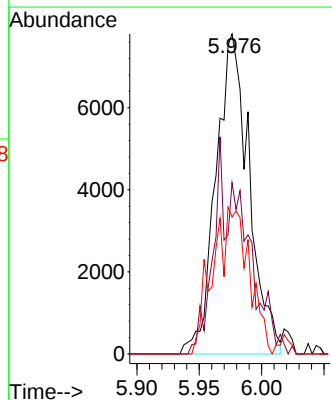
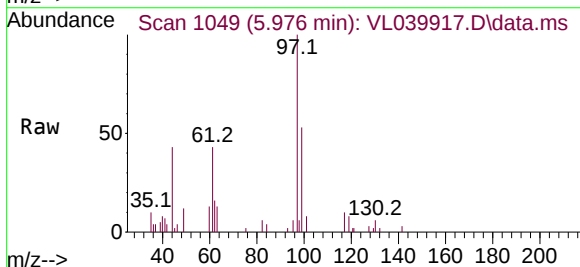
Ion	Ratio	Lower	Upper
61	100		
96	52.5	50.3	75.5
98	35.3	32.2	48.2

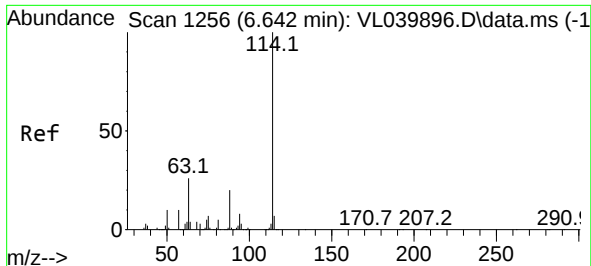


#32
 1,1,1-Trichloroethane
 Concen: 0.076 ppbv
 RT: 5.976 min Scan# 1049
 Delta R.T. 0.010 min
 Lab File: VL039917.D
 Acq: 21 Nov 2022 20:52

Tgt Ion: 97 Resp: 14485

Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.4	77.0
61	52.4	40.7	61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.626 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL039917.D

Acq: 21 Nov 2022 20:52

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

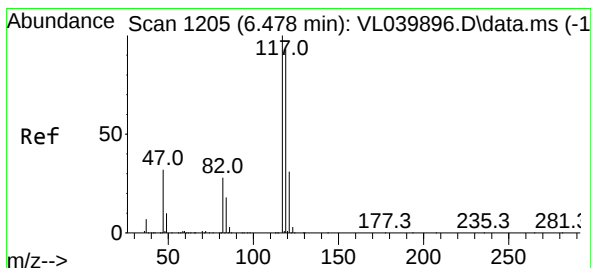
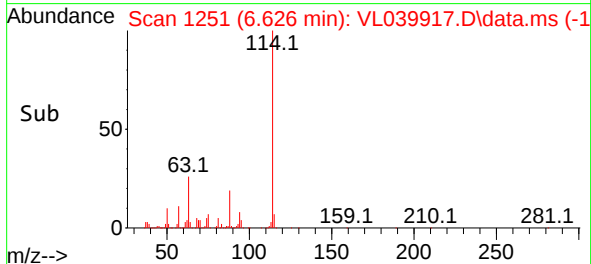
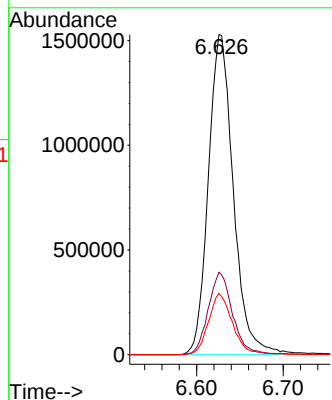
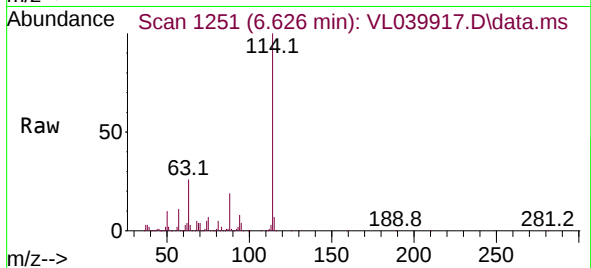
Tgt Ion:114 Resp: 3056065

Ion Ratio Lower Upper

114 100

63 25.3 21.4 32.0

88 18.6 15.3 22.9



#35

Carbon Tetrachloride

Concen: 0.039 ppbv

RT: 6.468 min Scan# 1202

Delta R.T. 0.006 min

Lab File: VL039917.D

Acq: 21 Nov 2022 20:52

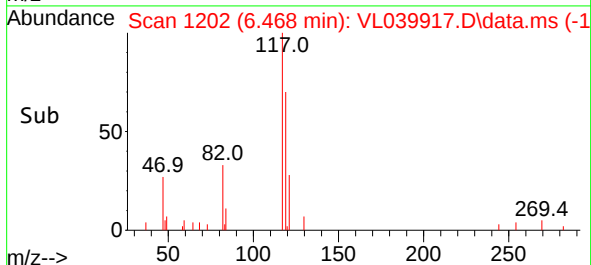
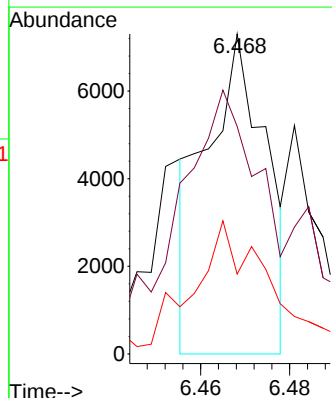
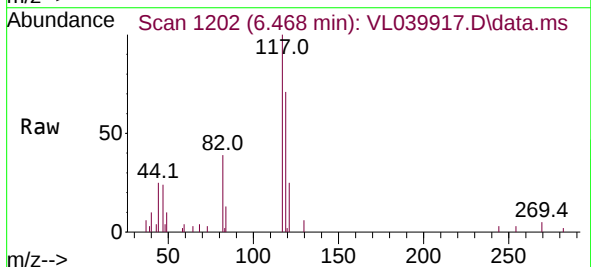
Tgt Ion:117 Resp: 6824

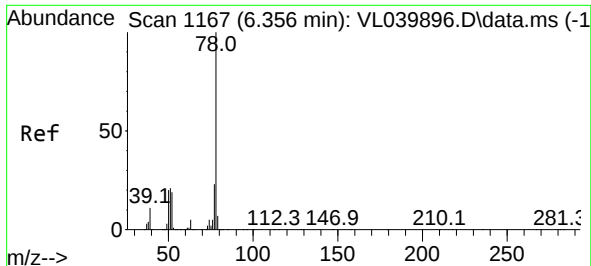
Ion Ratio Lower Upper

117 100

119 75.2 74.7 112.1

121 18.8 24.5 36.7#

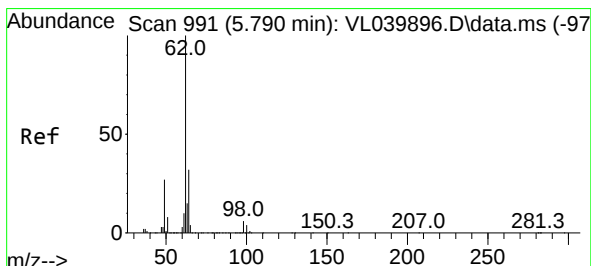
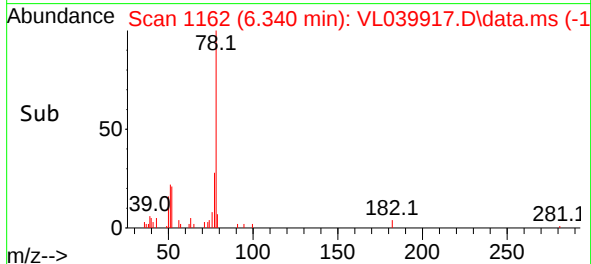
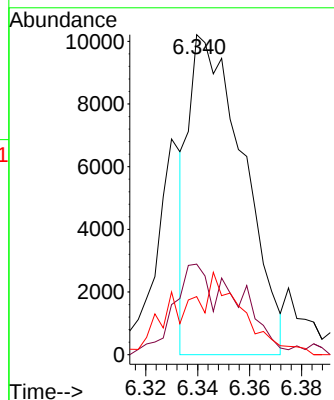
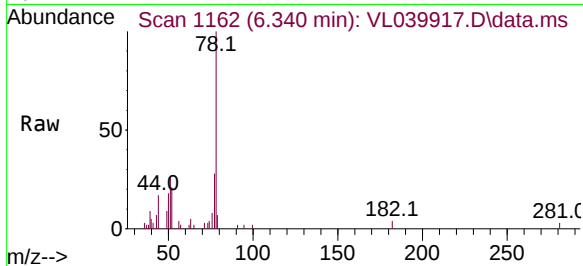




#36
Benzene
Concen: 0.057 ppbv
RT: 6.340 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

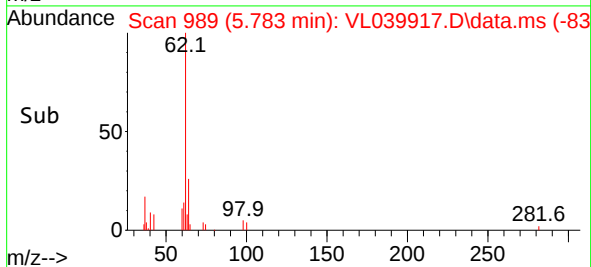
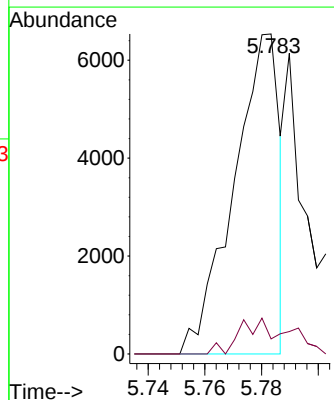
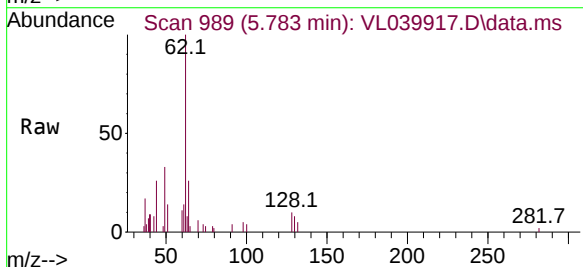
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

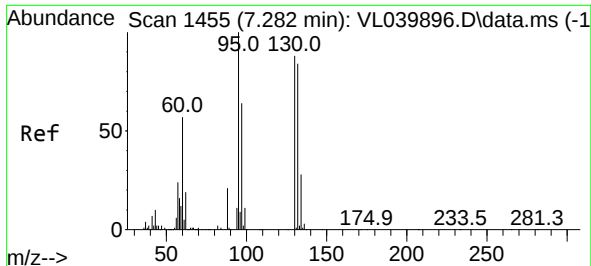
Tgt Ion: 78 Resp: 14851
Ion Ratio Lower Upper
78 100
77 30.0 18.2 27.2#
50 17.6 15.8 23.8



#37
1,2-Dichloroethane
Concen: 0.051 ppbv
RT: 5.783 min Scan# 989
Delta R.T. 0.010 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion: 62 Resp: 7287
Ion Ratio Lower Upper
62 100
98 11.7 5.0 7.6#

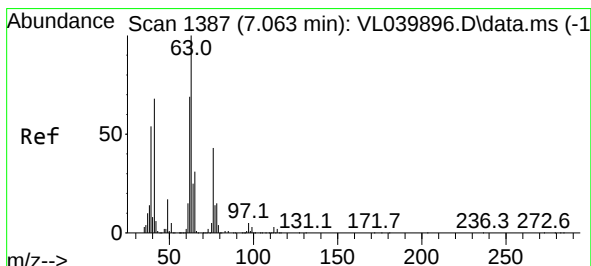
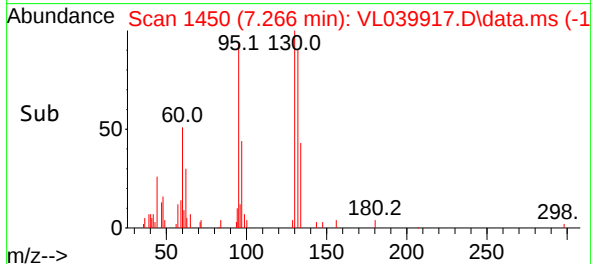
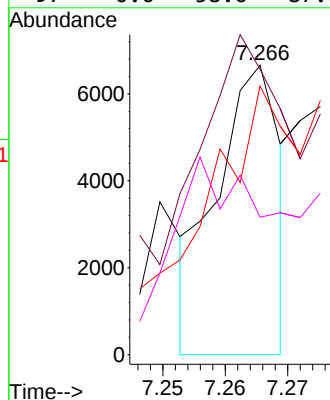
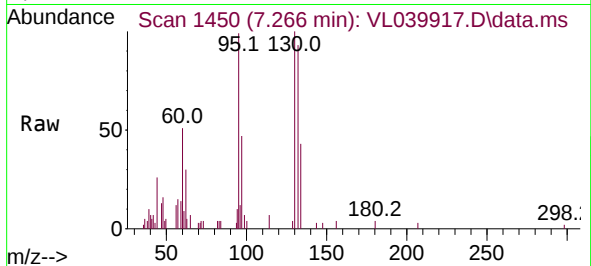




#38
 Trichloroethene
 Concen: 0.032 ppbv
 RT: 7.266 min Scan# 1455
 Delta R.T. 0.006 min
 Lab File: VL039917.D
 Acq: 21 Nov 2022 20:52

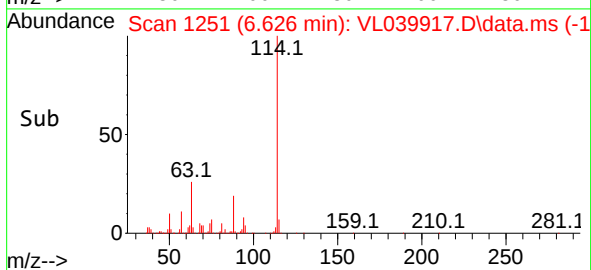
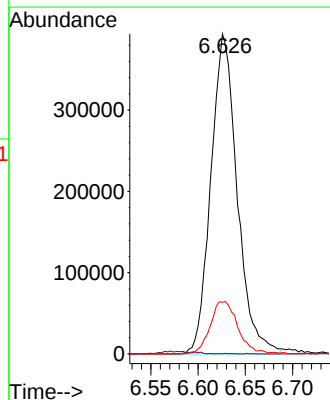
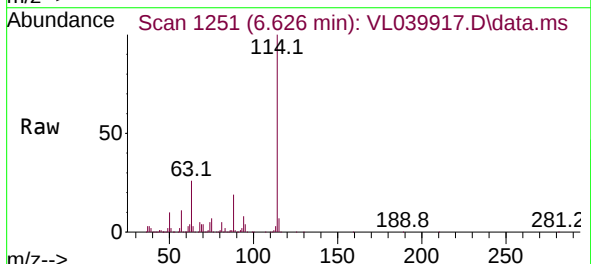
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

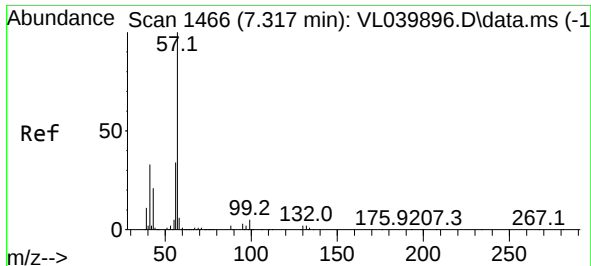
Tgt Ion:	130	Resp:	4677
Ion	Ratio	Lower	Upper
130	100		
95	72.8	90.6	135.8#
132	101.6	76.2	114.4
97	0.0	58.0	87.0#



#39
 1,2-Dichloropropane
 Concen: 7.535 ppbv
 RT: 6.626 min Scan# 1251
 Delta R.T. -0.415 min
 Lab File: VL039917.D
 Acq: 21 Nov 2022 20:52

Tgt Ion:	63	Resp:	762611
Ion	Ratio	Lower	Upper
63	100		
41	0.1	54.7	82.1#
62	16.1	55.0	82.6#





#44

2,2,4-Trimethylpentane

Concen: 0.037 ppbv

RT: 7.307 min Scan# 1466

Delta R.T. 0.013 min

Lab File: VL039917.D

Acq: 21 Nov 2022 20:52

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

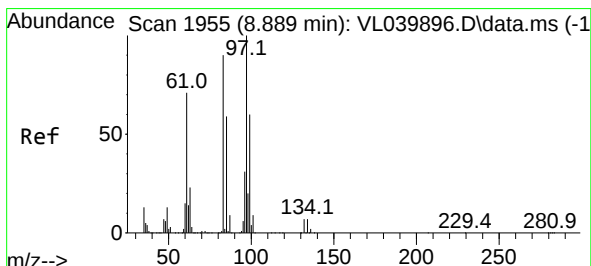
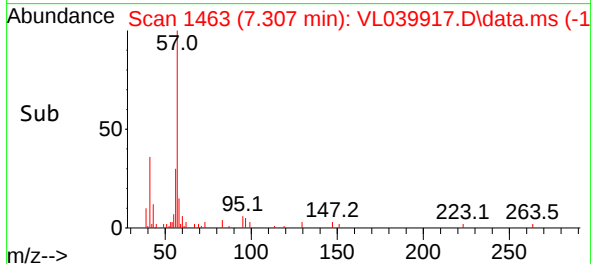
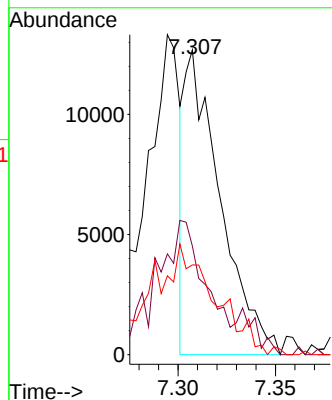
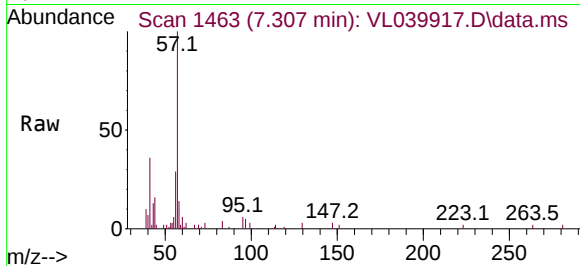
Tgt Ion: 57 Resp: 16139

Ion Ratio Lower Upper

57 100

41 73.4 26.2 39.2#

56 67.6 25.5 38.3#



#47

1,1,2-Trichloroethane

Concen: 0.043 ppbv

RT: 8.873 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VL039917.D

Acq: 21 Nov 2022 20:52

Tgt Ion: 97 Resp: 4466

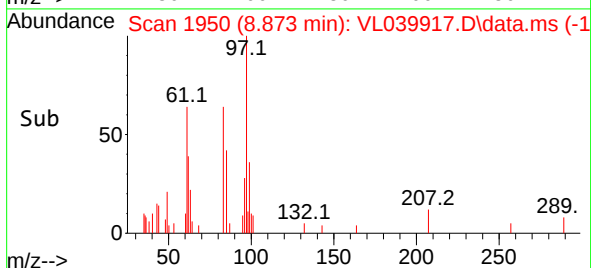
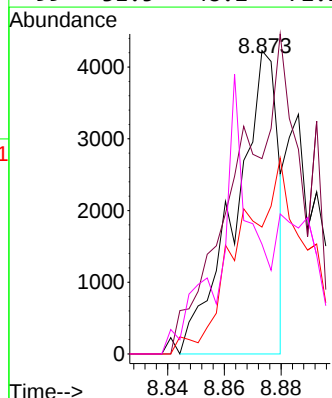
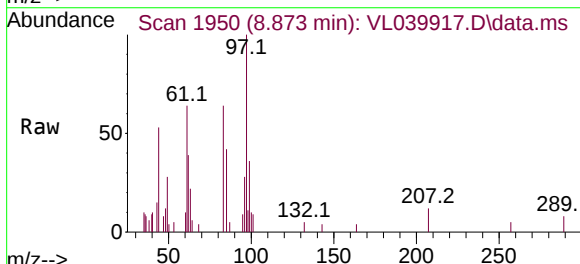
Ion Ratio Lower Upper

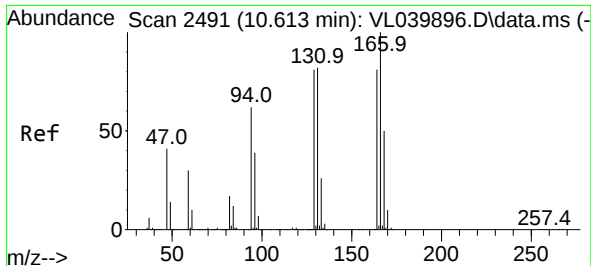
97 100

83 50.1 72.1 108.1#

85 36.2 47.2 70.8#

99 31.5 48.2 72.2#

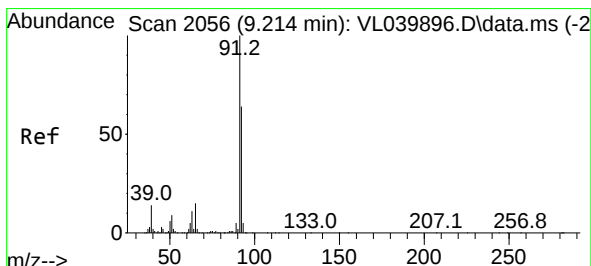
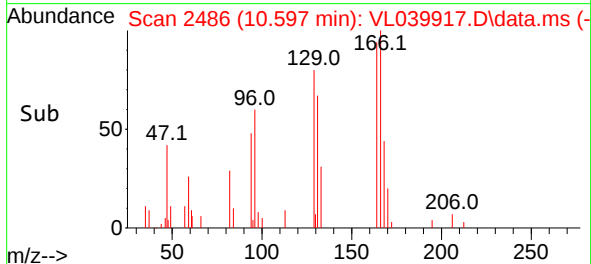
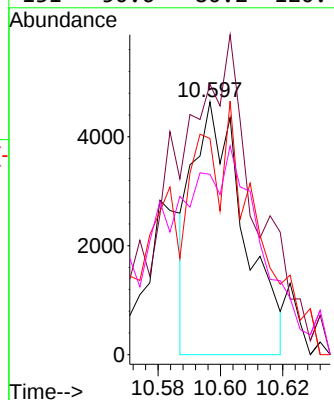
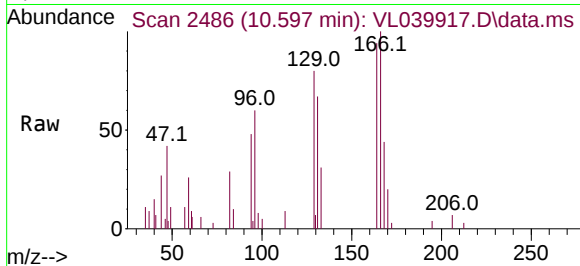




#52
Tetrachloroethene
Concen: 0.055 ppbv
RT: 10.597 min Scan# 2491
Delta R.T. 0.010 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

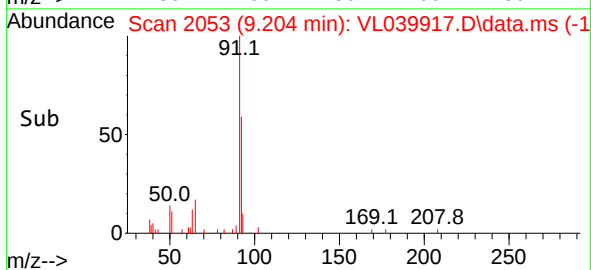
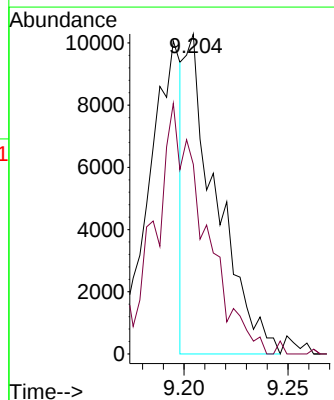
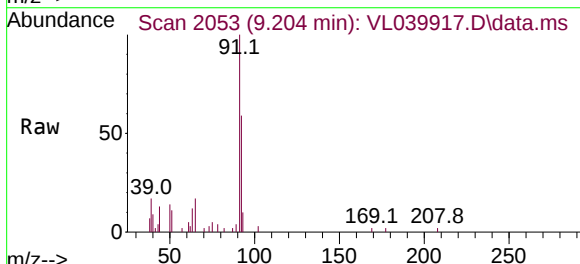
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

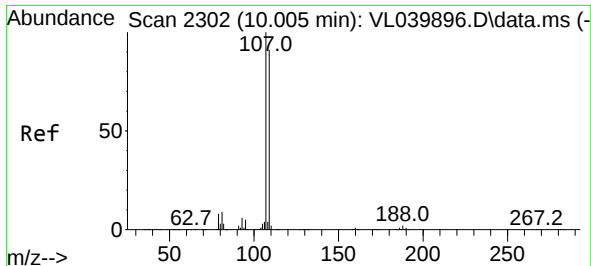
Tgt Ion:	164	Resp:	5297
Ion	Ratio	Lower	Upper
164	100		
166	70.4	98.3	147.5#
129	69.5	79.7	119.5#
131	50.6	80.2	120.4#



#53
Toluene
Concen: 0.037 ppbv
RT: 9.204 min Scan# 2053
Delta R.T. 0.013 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion:	91	Resp:	10897
Ion	Ratio	Lower	Upper
91	100		
92	0.0	49.8	74.6#

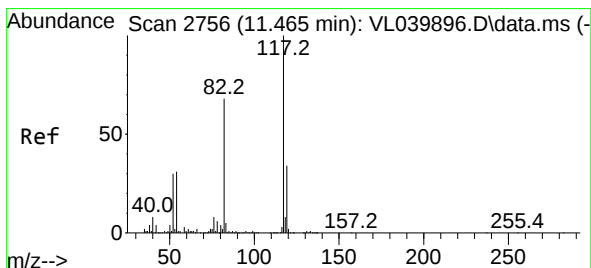
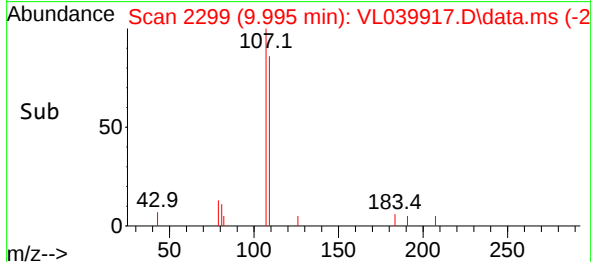
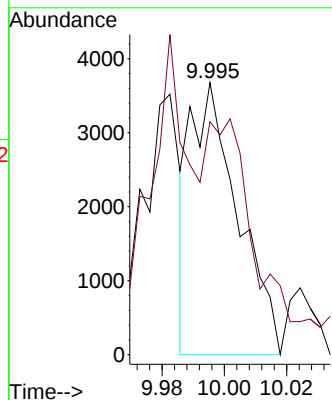
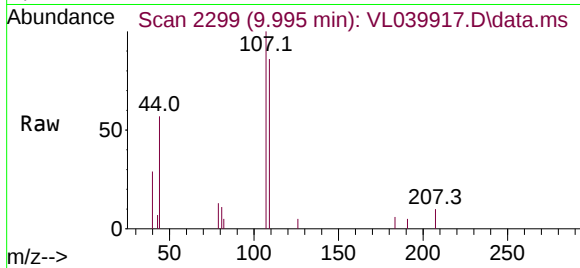




#54
1,2-Dibromoethane
Concen: 0.035 ppbv
RT: 9.995 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

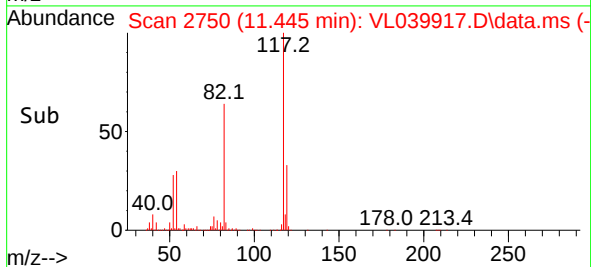
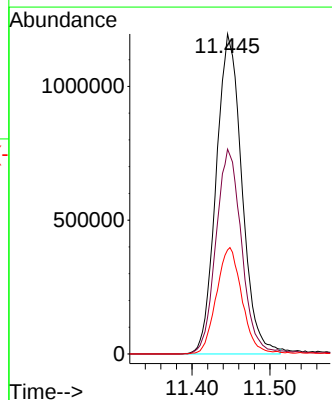
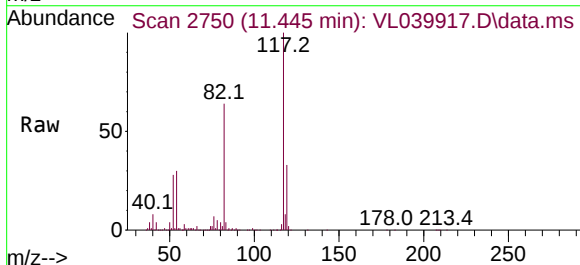
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

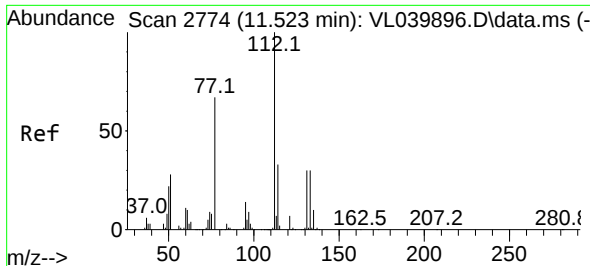
Tgt Ion:107 Resp: 3903
Ion Ratio Lower Upper
107 100
109 60.3 72.8 109.2#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.445 min Scan# 2750
Delta R.T. 0.006 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion:117 Resp: 2752317
Ion Ratio Lower Upper
117 100
82 64.9 52.3 78.5
119 33.1 25.7 38.5

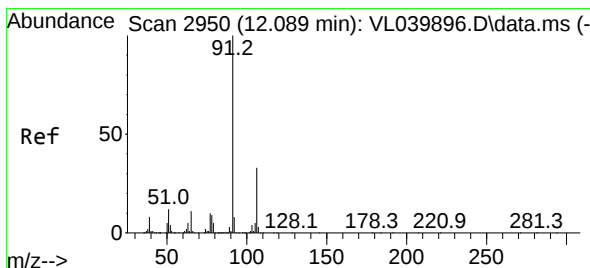
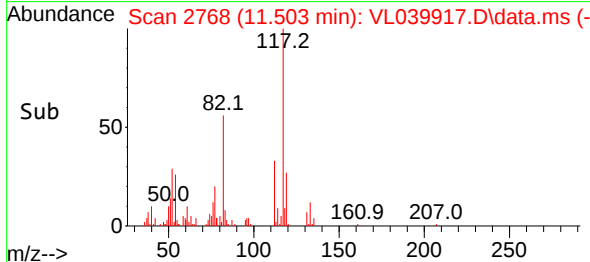
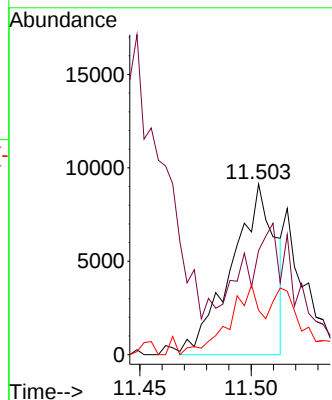
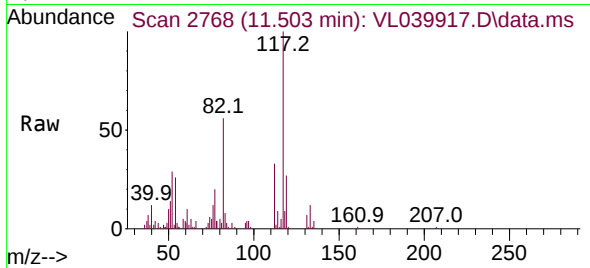




#57
Chlorobenzene
Concen: 0.059 ppbv
RT: 11.503 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

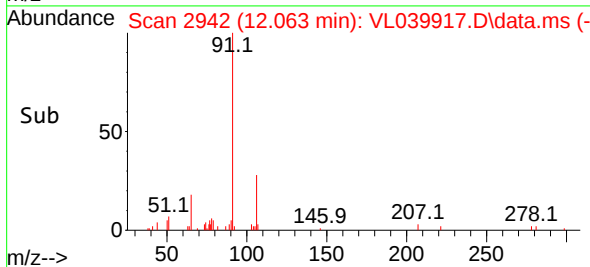
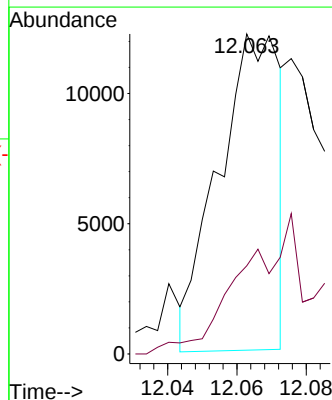
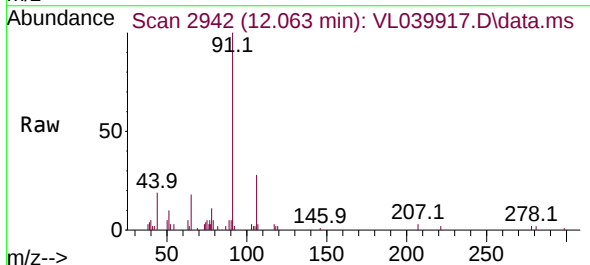
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

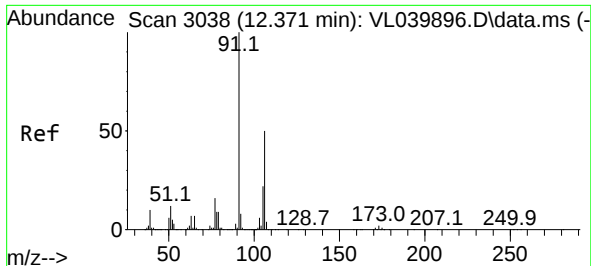
Tgt Ion:112 Resp: 12356
Ion Ratio Lower Upper
112 100
77 19.1 54.6 81.8#
114 7.4 30.1 36.7#



#58
Ethyl Benzene
Concen: 0.040 ppbv
RT: 12.063 min Scan# 2942
Delta R.T. -0.000 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion: 91 Resp: 14919
Ion Ratio Lower Upper
91 100
106 28.3 26.1 39.1





#59

m/p-Xylene

Concen: 0.043 ppbv

RT: 12.355 min Scan# 3033

Delta R.T. 0.010 min

Lab File: VL039917.D

Acq: 21 Nov 2022 20:52

Instrument :

MSVOA_L

ClientSampleId :

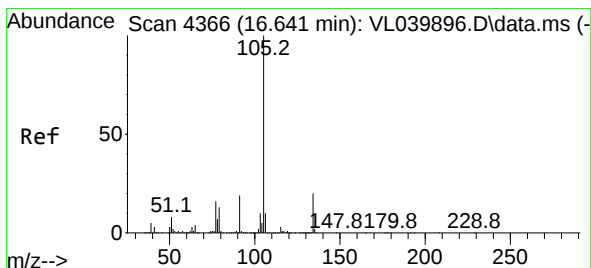
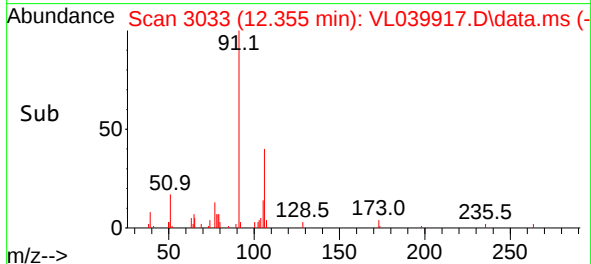
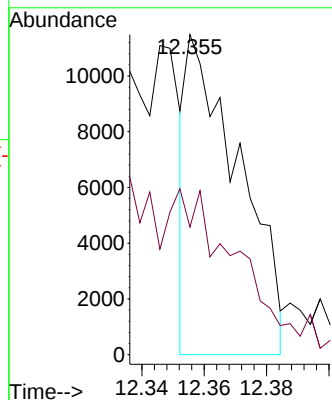
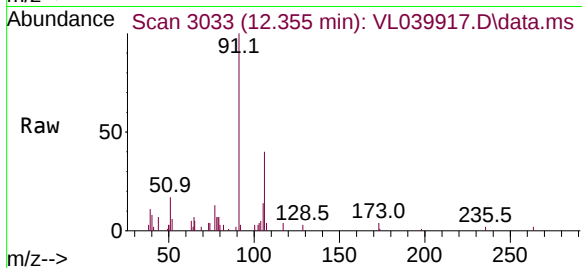
VIBLK

Tgt Ion: 91 Resp: 13497

Ion Ratio Lower Upper

91 100

106 0.0 37.0 55.6#



#67

sec-Butylbenzene

Concen: 0.044 ppbv

RT: 16.622 min Scan# 4360

Delta R.T. 0.003 min

Lab File: VL039917.D

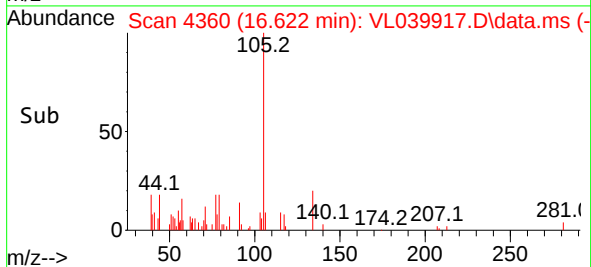
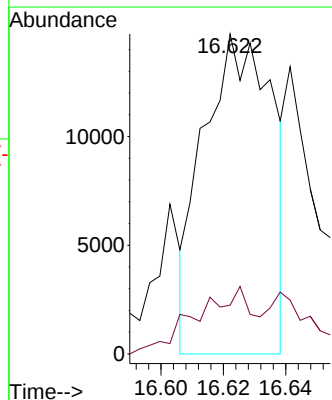
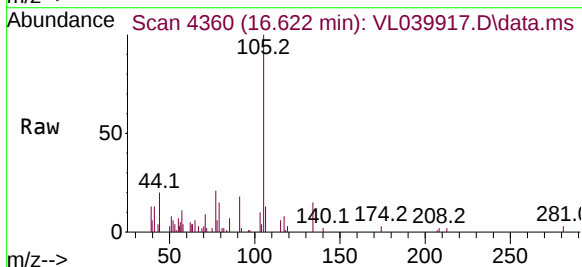
Acq: 21 Nov 2022 20:52

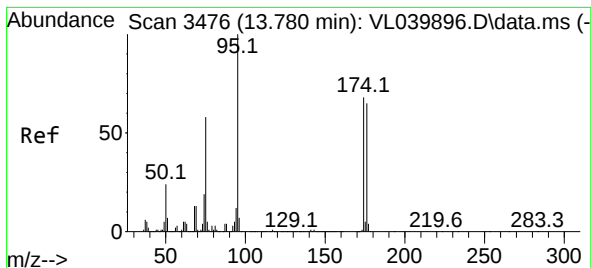
Tgt Ion: 105 Resp: 22518

Ion Ratio Lower Upper

105 100

134 31.3 15.0 22.6#

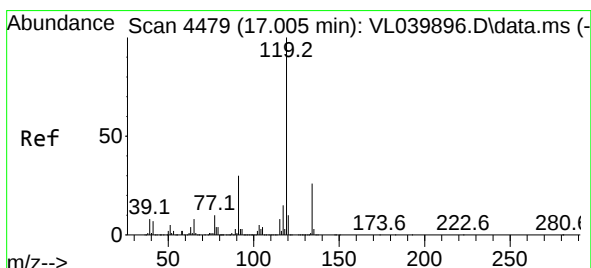
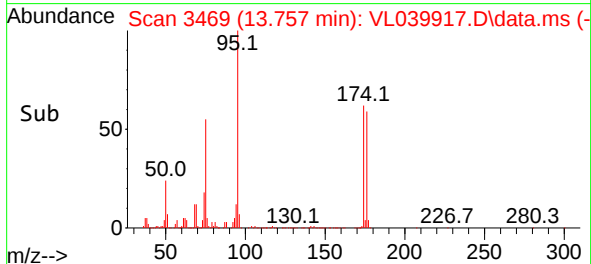
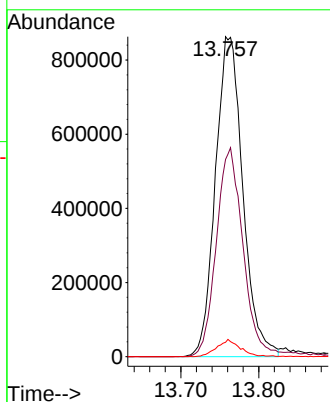
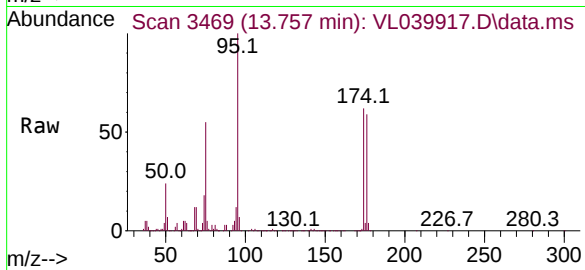




#68
1-Bromo-4-Fluorobenzene
Concen: 10.055 ppbv
RT: 13.757 min Scan# 3476
Delta R.T. 0.003 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

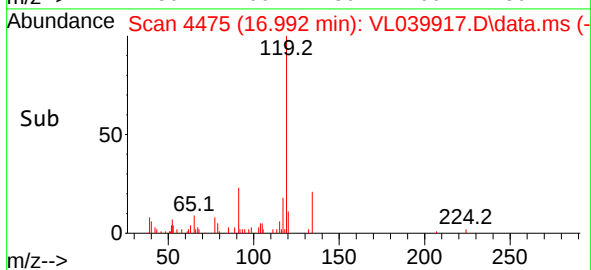
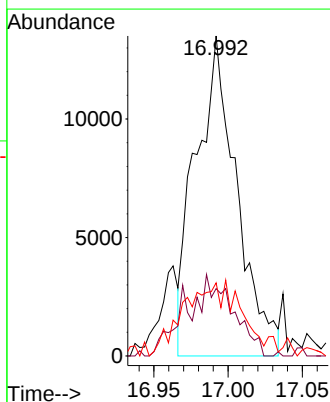
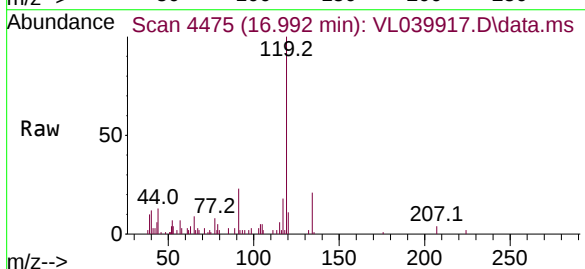
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

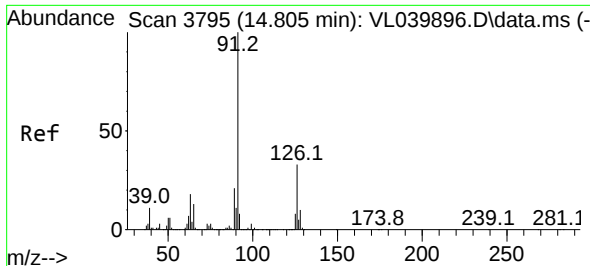
Tgt Ion: 95 Resp: 2113886
Ion Ratio Lower Upper
95 100
174 65.1 53.7 80.5
175 4.6 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.061 ppbv
RT: 16.992 min Scan# 4475
Delta R.T. 0.013 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion: 119 Resp: 25940
Ion Ratio Lower Upper
119 100
134 29.2 21.0 31.4
91 36.2 24.4 36.6

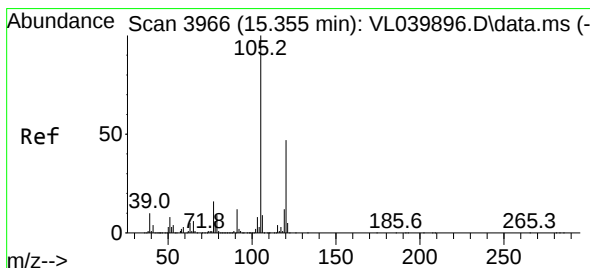
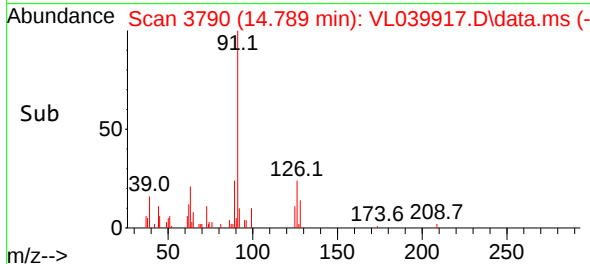
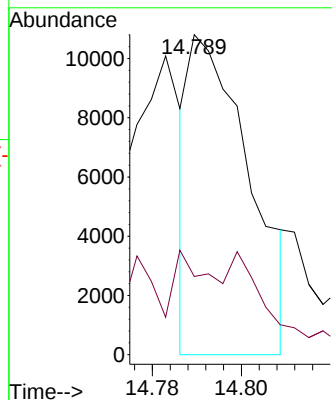
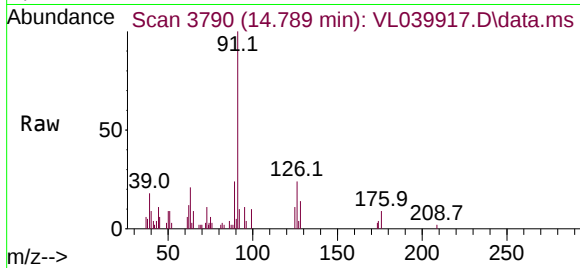




#71
2-Chlorotoluene
Concen: 0.031 ppbv
RT: 14.789 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 91 Resp: 10120
Ion Ratio Lower Upper
91 100
126 71.5 12.8 51.0#



#73
1,3,5-Trimethylbenzene
Concen: 0.033 ppbv
RT: 15.346 min Scan# 3963
Delta R.T. 0.013 min
Lab File: VL039917.D
Acq: 21 Nov 2022 20:52

Tgt Ion: 105 Resp: 10188
Ion Ratio Lower Upper
105 100
120 30.4 37.9 56.9#

