

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041609.D
 Acq On : 18 Sep 2024 16:24
 Operator : SY/MD
 Sample : P4028-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 19 01:34:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1108094	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.655	114	3085788	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.465	117	2734741	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	2048821	10.177	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%

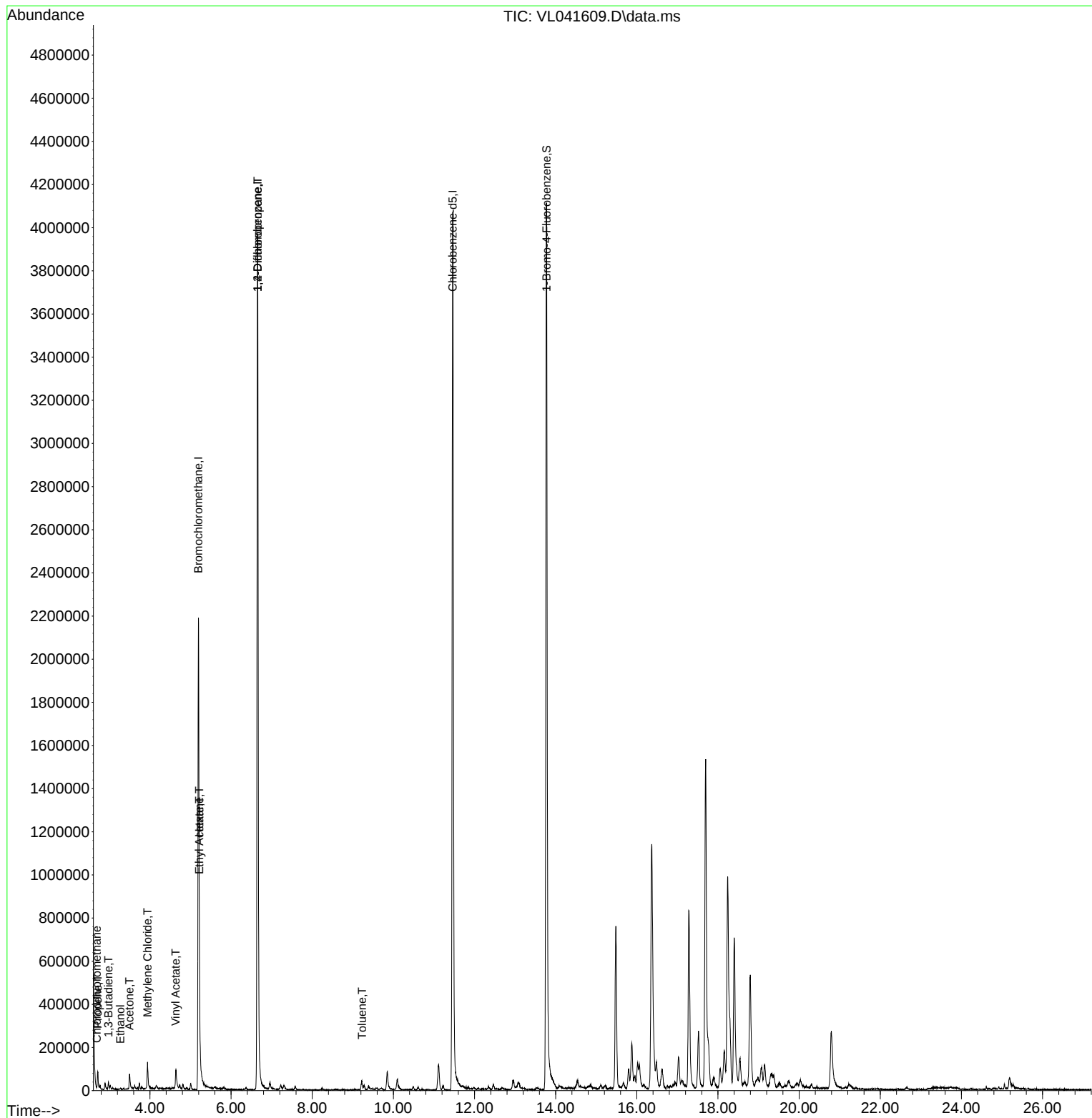
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.687	51	4426	0.033	ppbv #	80
9) Propene	2.710	41	11700	0.206	ppbv #	39
13) Ethanol	3.272	45	3040	0.713	ppbv #	32
15) Acetone	3.494	43	63009	0.453	ppbv #	77
16) 1,3-Butadiene	2.977	39	8101	0.120	ppbv #	10
20) Methylene Chloride	3.941	84	34911	0.668	ppbv	95
23) Vinyl Acetate	4.636	43	54022	0.706	ppbv #	94
25) Ethyl Acetate	5.218	43	47863	0.192	ppbv #	82
26) Hexane	5.214	57	60101	0.577	ppbv #	32
39) 1,2-Dichloropropane	6.655	63	762840	8.750	ppbv #	24
53) Toluene	9.230	91	7809	0.034	ppbv #	20

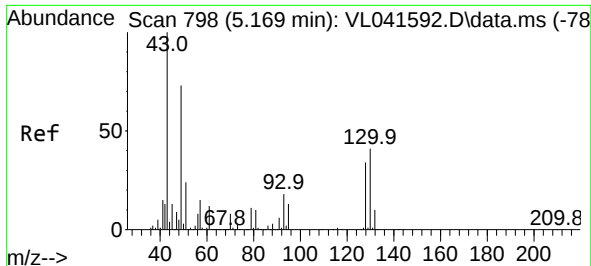
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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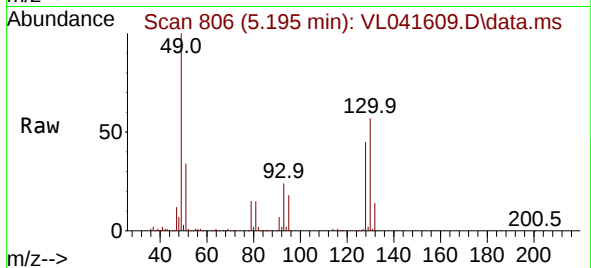
Quant Time: Sep 19 01:34:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Response via : Initial Calibration



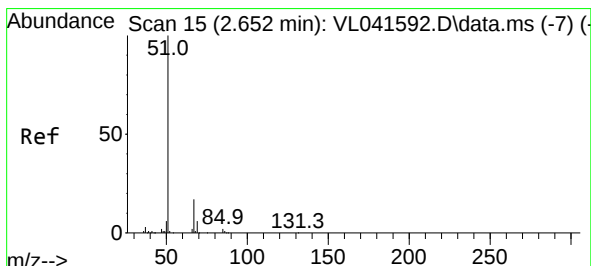
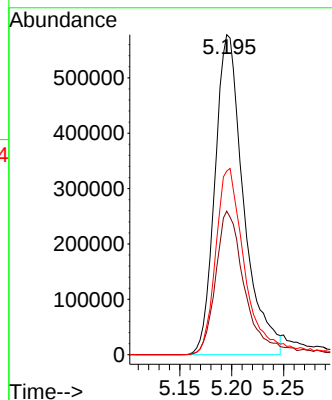
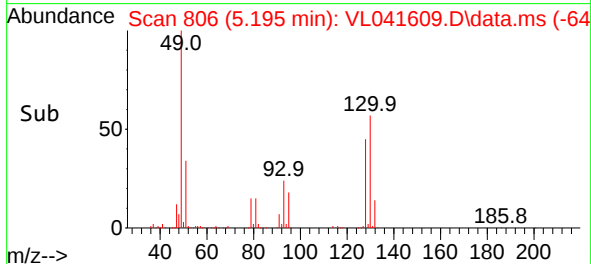


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.026 min
Lab File: VL041609.D
Acq: 18 Sep 2024 16:24

Instrument :
MSVOA_L
ClientSampleId :

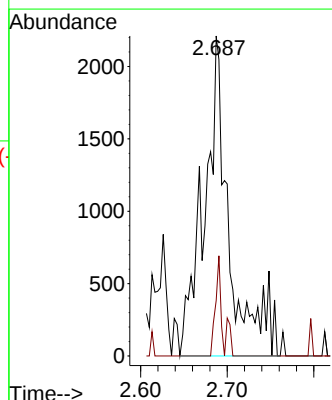
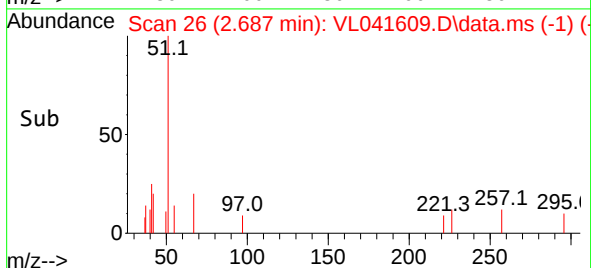
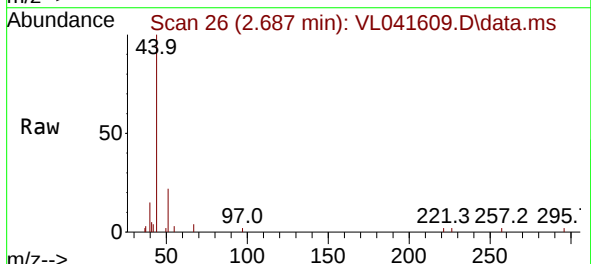


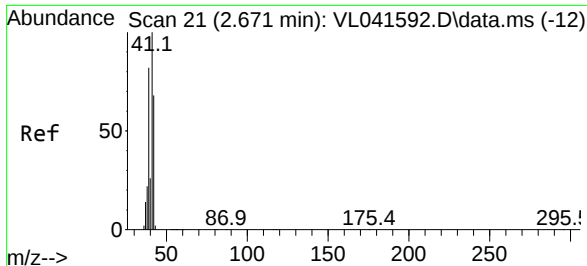
Tgt Ion: 49 Resp: 1108094
Ion Ratio Lower Upper
49 100
128 48.3 23.8 71.5
130 61.2 30.4 91.3



#3
Chlorodifluoromethane
Concen: 0.033 ppbv
RT: 2.687 min Scan# 26
Delta R.T. 0.036 min
Lab File: VL041609.D
Acq: 18 Sep 2024 16:24

Tgt Ion: 51 Resp: 4426
Ion Ratio Lower Upper
51 100
67 8.7 14.1 21.1#





#9

Propene

Concen: 0.206 ppbv

RT: 2.710 min Scan# 31

Delta R.T. 0.039 min

Lab File: VL041609.D

Acq: 18 Sep 2024 16:24

Instrument :

MSVOA_L

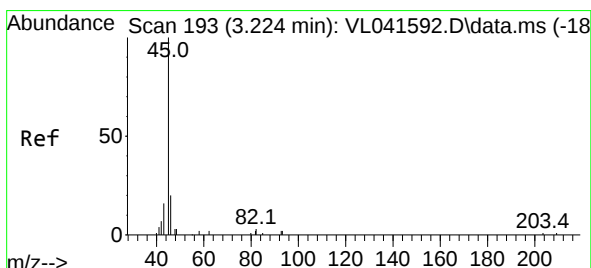
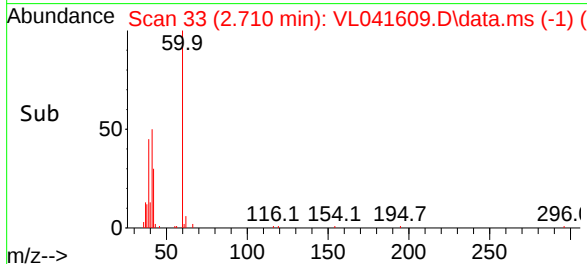
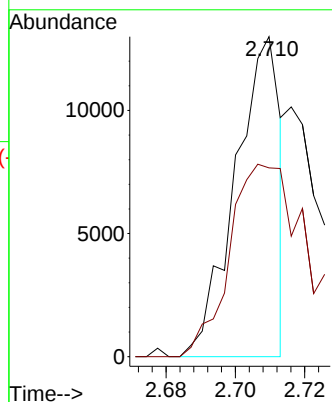
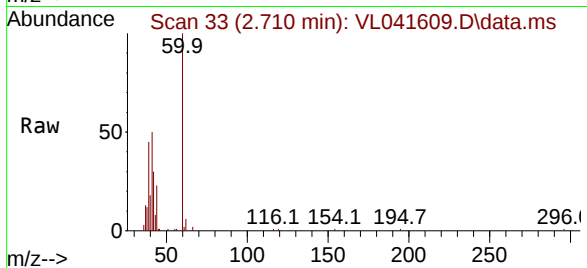
ClientSampleId :

Tgt Ion: 41 Resp: 11700

Ion Ratio Lower Upper

41 100

42 118.4 55.2 82.8#



#13

Ethanol

Concen: 0.713 ppbv

RT: 3.272 min Scan# 208

Delta R.T. 0.049 min

Lab File: VL041609.D

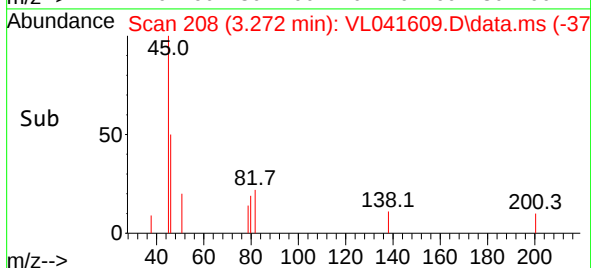
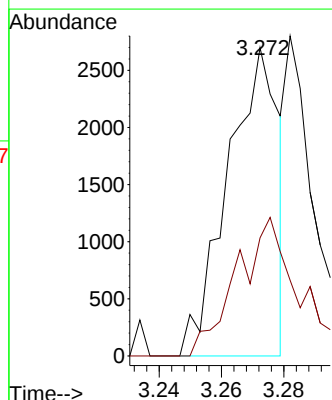
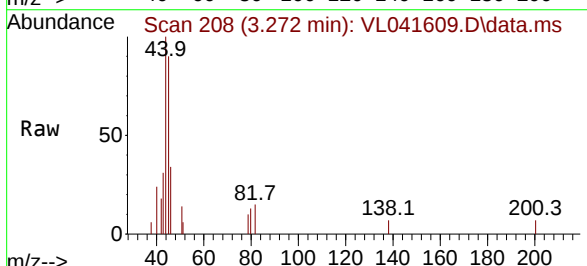
Acq: 18 Sep 2024 16:24

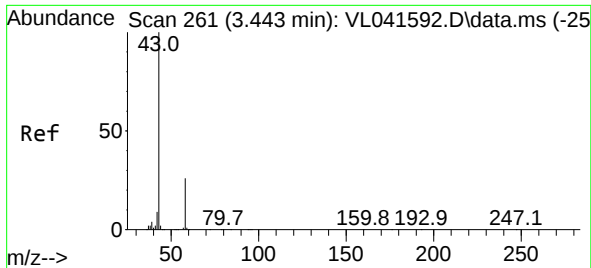
Tgt Ion: 45 Resp: 3040

Ion Ratio Lower Upper

45 100

46 78.8 15.2 60.8#





#15

Acetone

Concen: 0.453 ppbv

RT: 3.494 min Scan# 21

Delta R.T. 0.052 min

Lab File: VL041609.D

Acq: 18 Sep 2024 16:24

Instrument :

MSVOA_L

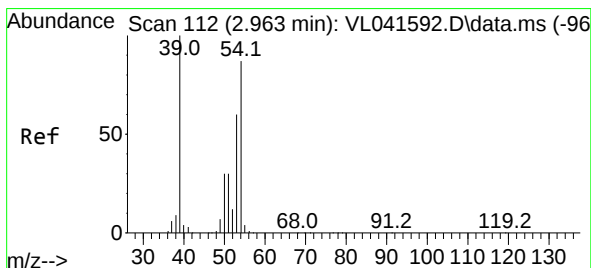
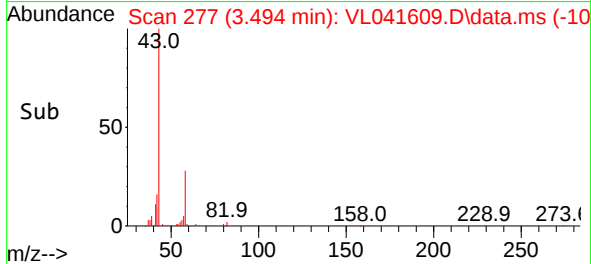
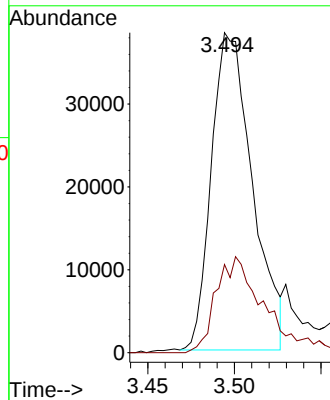
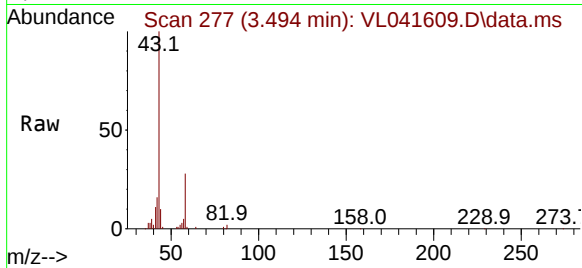
ClientSampleId :

Tgt Ion: 43 Resp: 63009

Ion Ratio Lower Upper

43 100

58 38.6 21.5 32.3#



#16

1,3-Butadiene

Concen: 0.120 ppbv

RT: 2.977 min Scan# 116

Delta R.T. 0.013 min

Lab File: VL041609.D

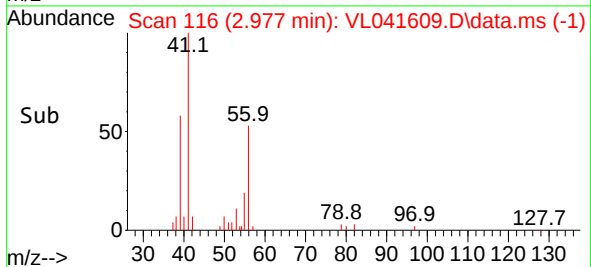
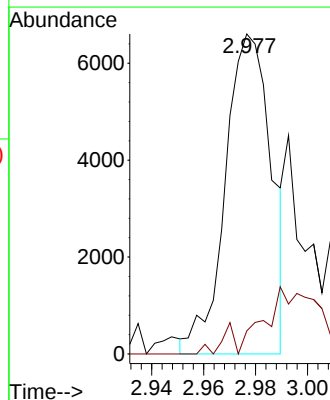
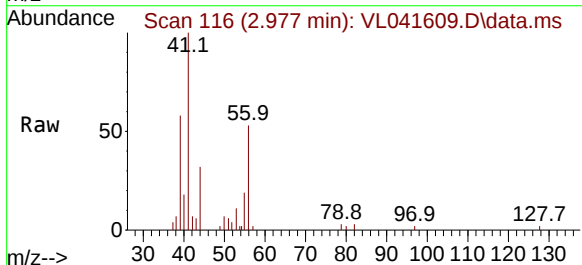
Acq: 18 Sep 2024 16:24

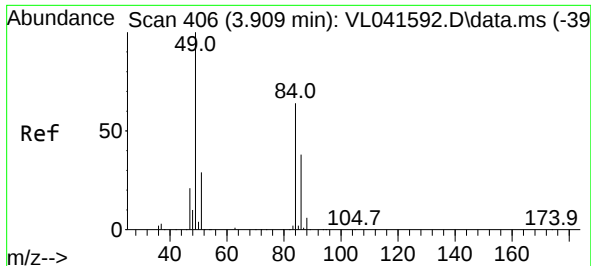
Tgt Ion: 39 Resp: 8101

Ion Ratio Lower Upper

39 100

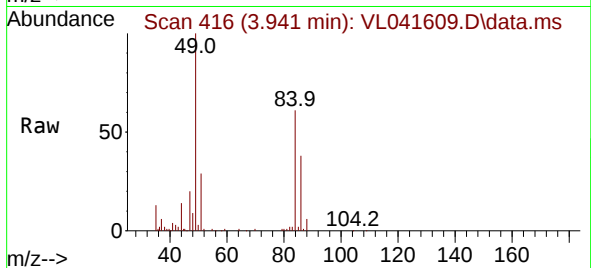
54 0.0 62.9 94.3#





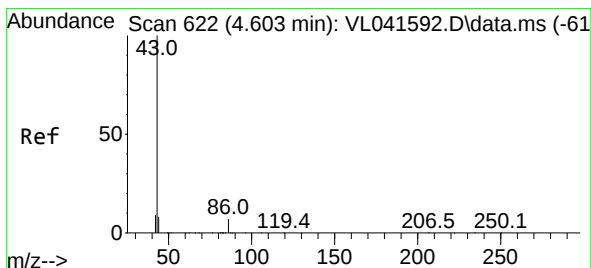
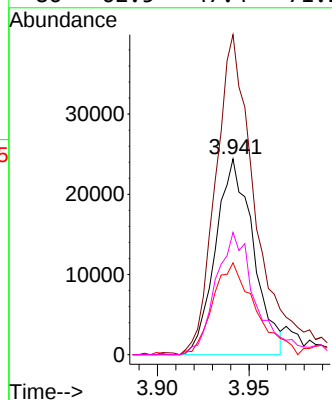
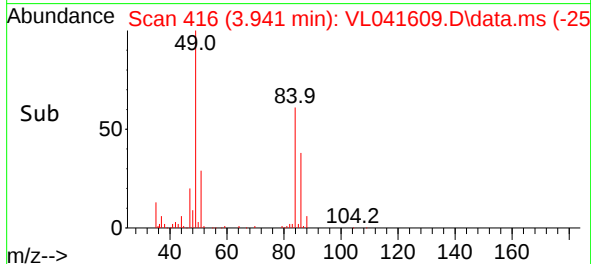
#20
Methylene Chloride
Concen: 0.668 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.032 min
Lab File: VL041609.D
Acq: 18 Sep 2024 16:24

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 34911

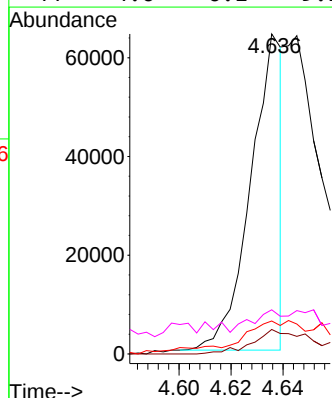
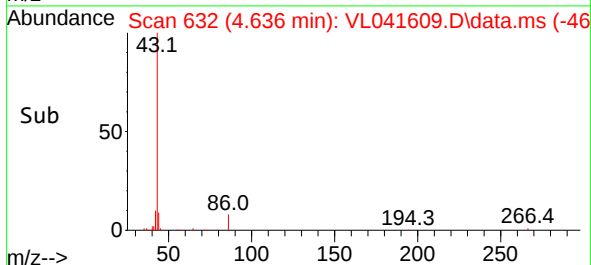
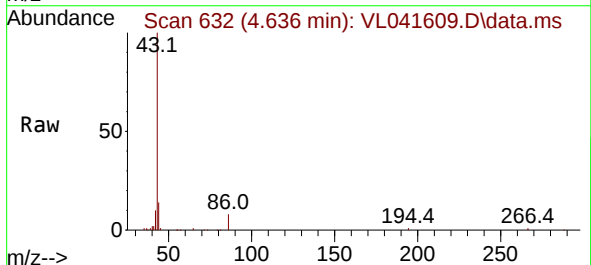
Ion	Ratio	Lower	Upper
84	100		
49	163.5	124.3	186.5
51	46.9	36.3	54.5
86	62.5	47.4	71.2

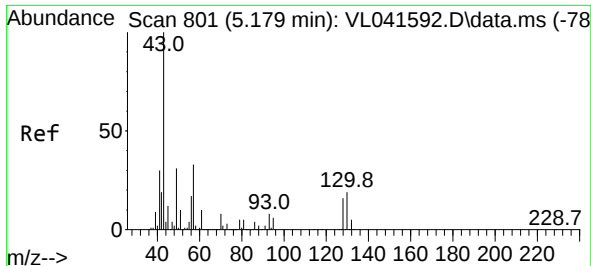


#23
Vinyl Acetate
Concen: 0.706 ppbv
RT: 4.636 min Scan# 632
Delta R.T. 0.032 min
Lab File: VL041609.D
Acq: 18 Sep 2024 16:24

Tgt Ion: 43 Resp: 54022

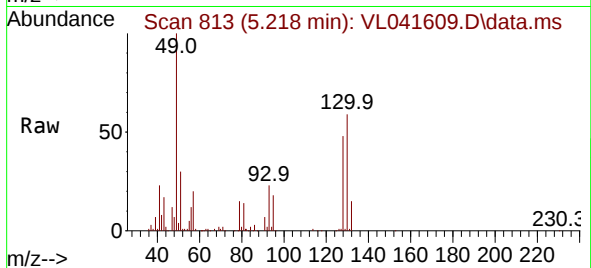
Ion	Ratio	Lower	Upper
43	100		
86	7.8	4.9	7.3#
42	8.4	8.0	12.0
44	4.6	6.1	9.1#



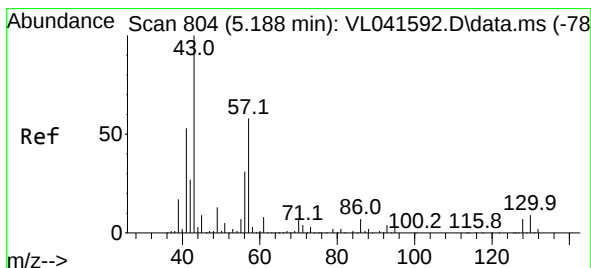
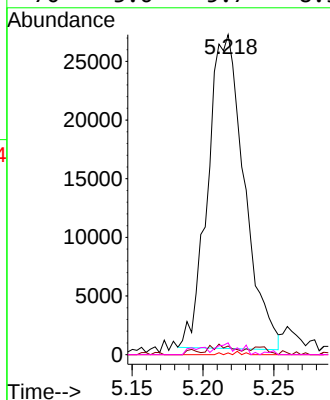
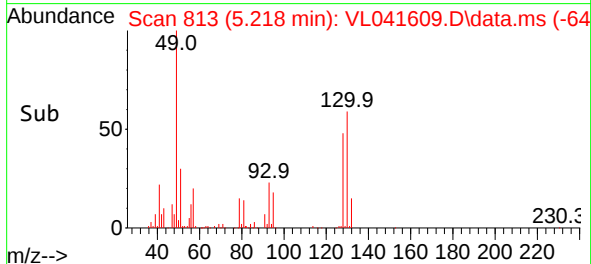


#25
Ethyl Acetate
Concen: 0.192 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.039 min
Lab File: VL041609.D
Acq: 18 Sep 2024 16:24

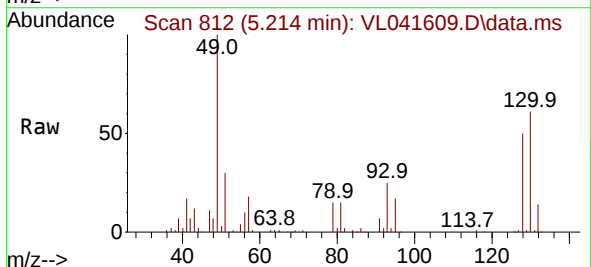
Instrument :
MSVOA_L
ClientSampleId :



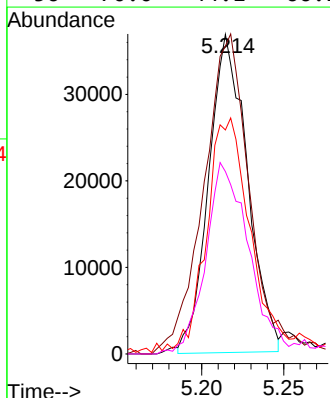
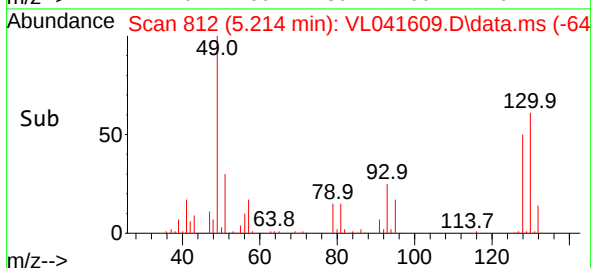
Tgt Ion:	43	Resp:	47863
Ion	Ratio	Lower	Upper
43	100		
45	4.0	8.2	12.2#
61	0.3	8.0	12.0#
70	3.6	5.7	8.5#

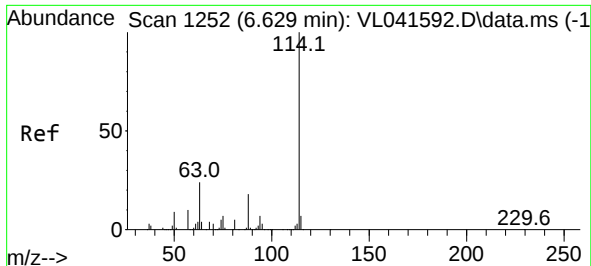


#26
Hexane
Concen: 0.577 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.026 min
Lab File: VL041609.D
Acq: 18 Sep 2024 16:24



Tgt Ion:	57	Resp:	60101
Ion	Ratio	Lower	Upper
57	100		
41	123.5	75.7	113.5#
43	86.4	198.5	297.7#
56	70.0	44.1	66.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.026 min

Lab File: VL041609.D

Acq: 18 Sep 2024 16:24

Instrument :

MSVOA_L

ClientSampleId :

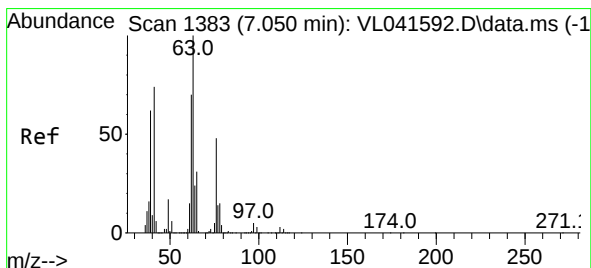
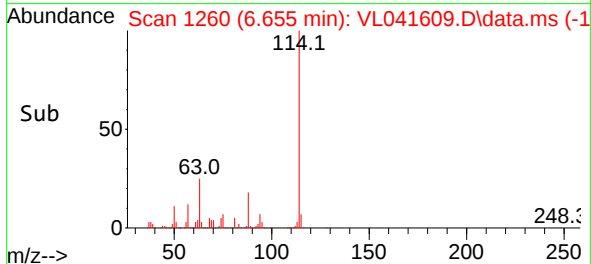
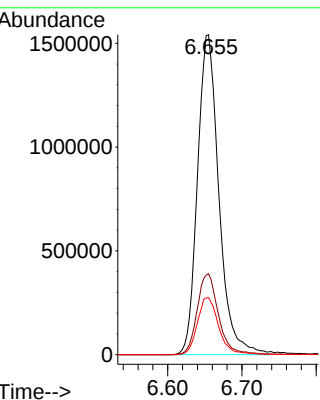
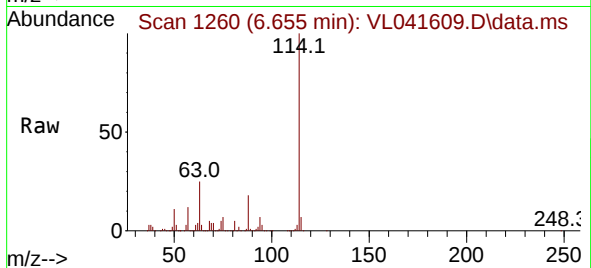
Tgt Ion:114 Resp: 3085788

Ion Ratio Lower Upper

114 100

63 25.5 20.2 30.2

88 17.9 14.2 21.4



#39

1,2-Dichloropropane

Concen: 8.750 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. -0.395 min

Lab File: VL041609.D

Acq: 18 Sep 2024 16:24

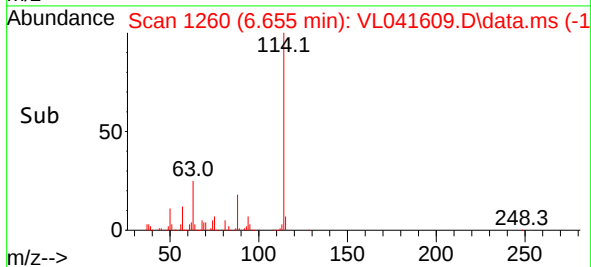
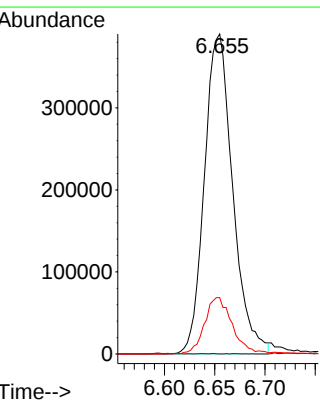
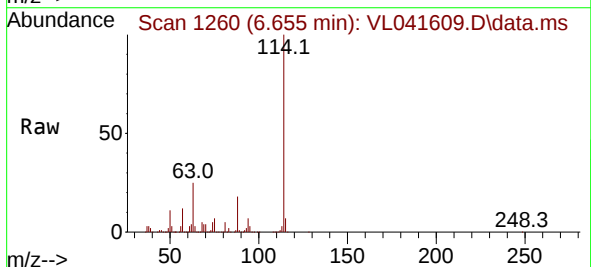
Tgt Ion: 63 Resp: 762840

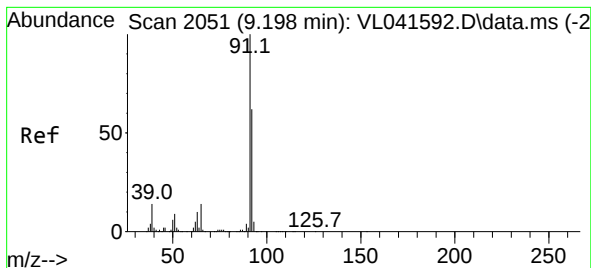
Ion Ratio Lower Upper

63 100

41 0.0 59.5 89.3#

62 17.6 56.2 84.2#





#53

Toluene

Concen: 0.034 ppbv

RT: 9.230 min Scan# 2051

Delta R.T. 0.032 min

Lab File: VL041609.D

Acq: 18 Sep 2024 16:24

Instrument :

MSVOA_L

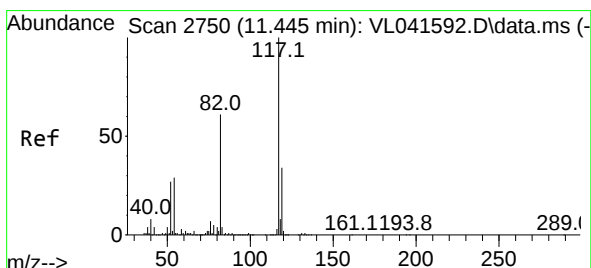
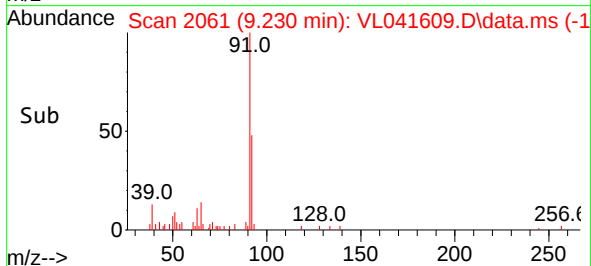
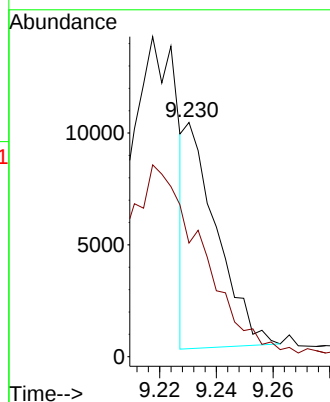
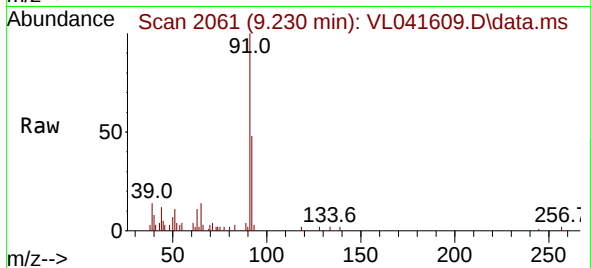
ClientSampleId :

Tgt Ion: 91 Resp: 7809

Ion Ratio Lower Upper

91 100

92 0.0 48.9 73.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. 0.020 min

Lab File: VL041609.D

Acq: 18 Sep 2024 16:24

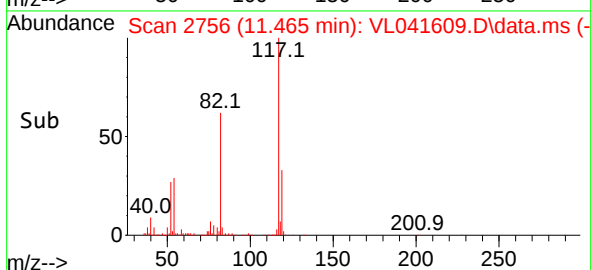
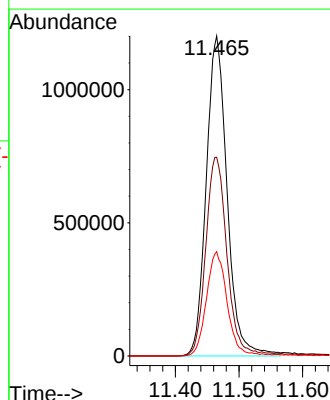
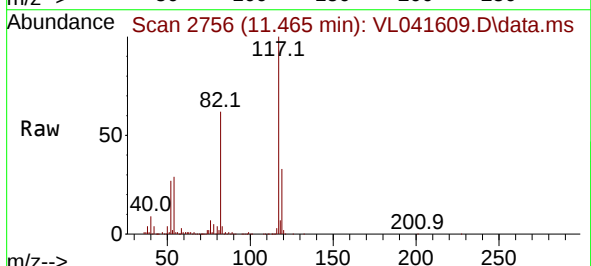
Tgt Ion: 117 Resp: 2734741

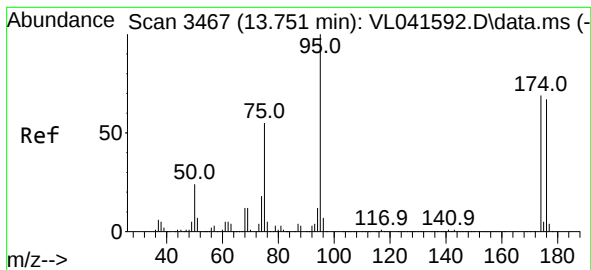
Ion Ratio Lower Upper

117 100

82 64.5 49.4 74.2

119 33.0 24.4 36.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.177 ppbv
 RT: 13.774 min Scan# 34
 Delta R.T. 0.023 min
 Lab File: VL041609.D
 Acq: 18 Sep 2024 16:24

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 95 Resp: 2048821

Ion	Ratio	Lower	Upper
95	100		
174	70.3	55.8	83.8
175	5.2	4.1	6.1

