

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040473.D
 Acq On : 15 Jun 2023 18:57
 Operator : SY/MD
 Sample : 03250-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-07DL

Quant Time: Jun 16 05:39:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 06:22:12 2023
 Response via : Initial Calibration

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

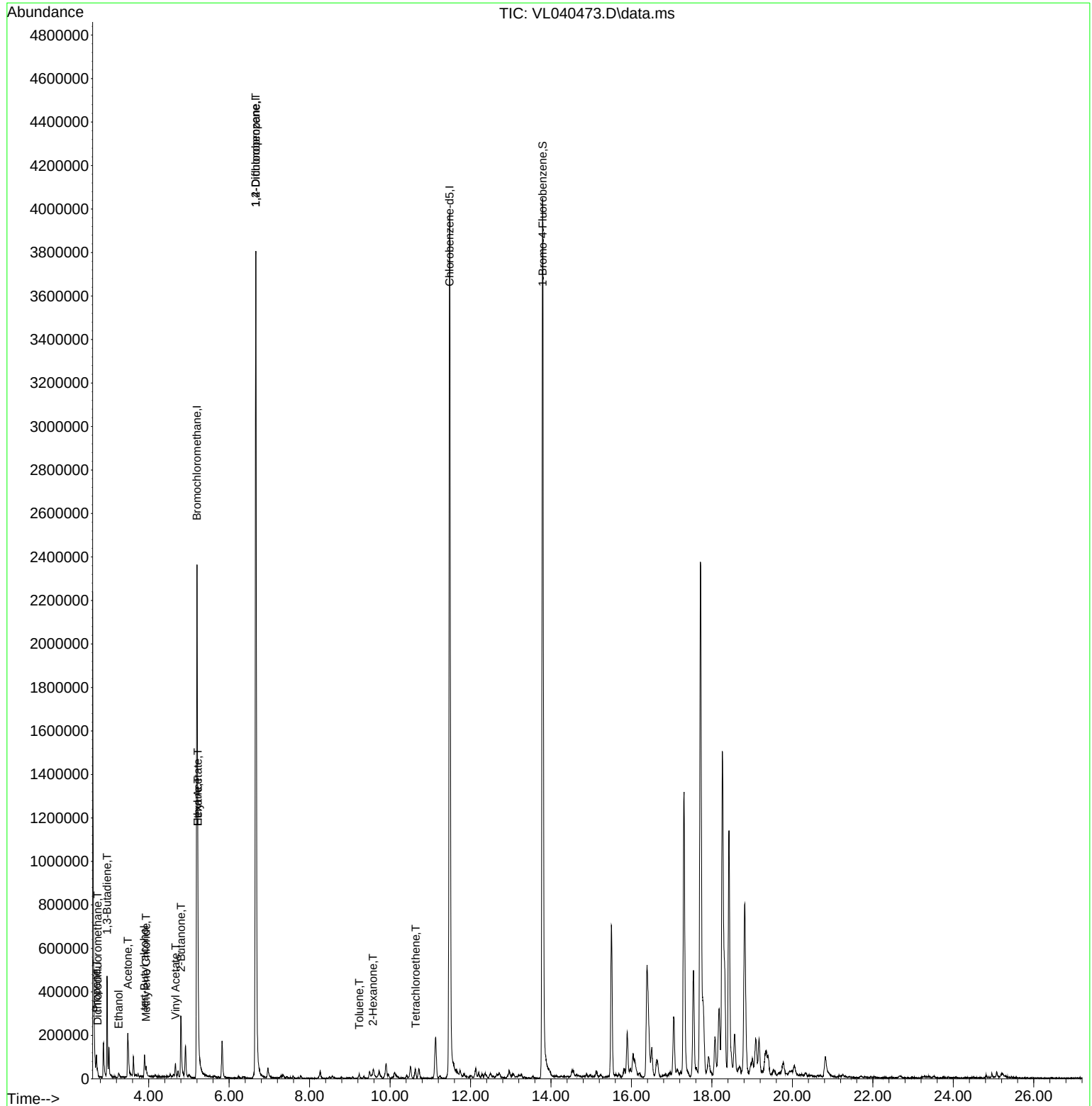
Internal Standards						
1) Bromochloromethane	5.201	49	1129916	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.664	114	3029056	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2687809	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2098893	9.461	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.729	85	14411	0.059	ppbv	95
9) Propene	2.700	41	27085	0.475	ppbv	91
13) Ethanol	3.253	45	18996	1.607	ppbv	84
15) Acetone	3.481	43	196310	1.440	ppbv #	35
16) 1,3-Butadiene	2.964	39	120137	1.811	ppbv #	13
17) tert-Butyl alcohol	3.896	59	90826	0.811	ppbv	96
20) Methylene Chloride	3.938	84	10362	0.178	ppbv #	86
23) Vinyl Acetate	4.668	43	30723	0.231	ppbv #	61
25) Ethyl Acetate	5.224	43	130929	0.530	ppbv #	76
26) Hexane	5.224	57	192525	1.646	ppbv #	43
34) 2-Butanone	4.803	43	349162	2.390	ppbv	96
39) 1,2-Dichloropropane	6.664	63	727552	7.833	ppbv #	21
51) 2-Hexanone	9.574	43	17920	0.132	ppbv #	31
52) Tetrachloroethene	10.642	164	2886	0.038	ppbv #	66
53) Toluene	9.233	91	9064	0.036	ppbv	85

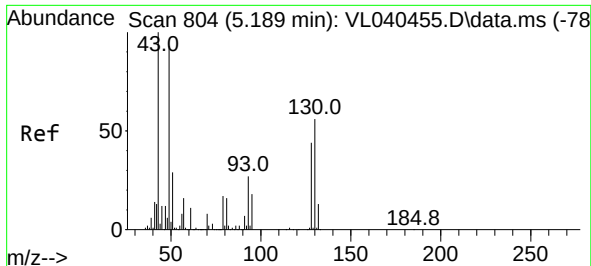
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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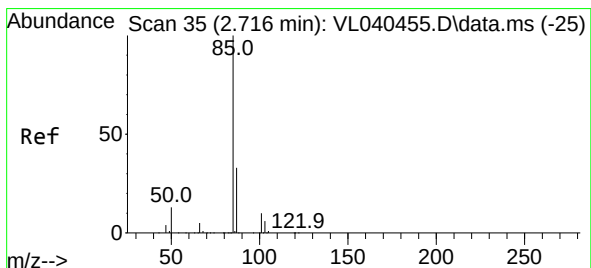
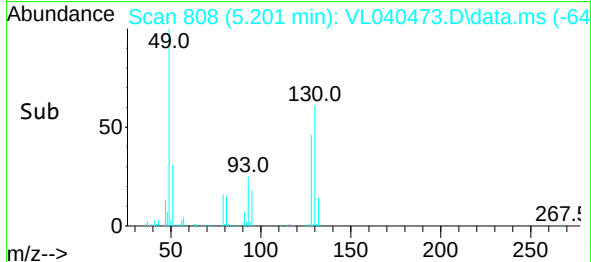
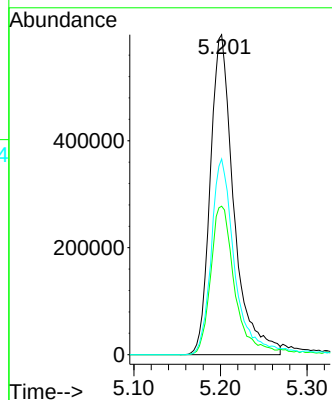
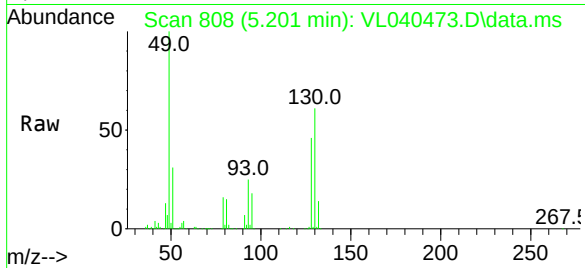




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.012 min
Lab File: VL040473.D
Acq: 15 Jun 2023 18:57

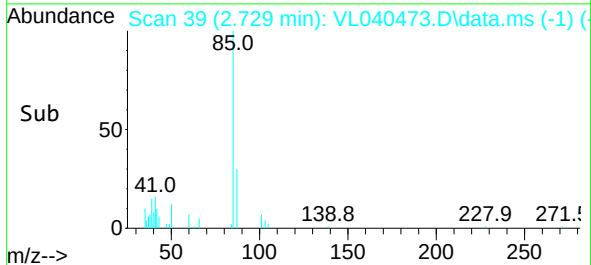
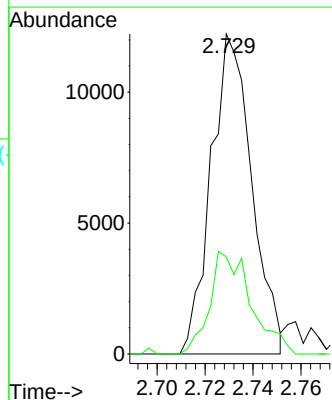
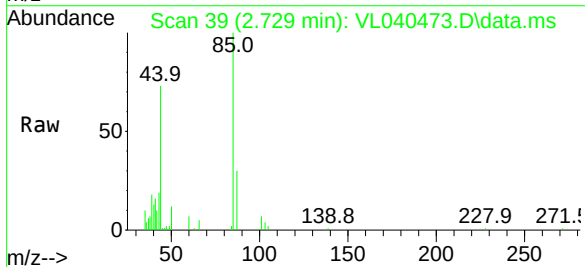
Instrument :
MSVOA_L
ClientSampleId :
SVP-07DL

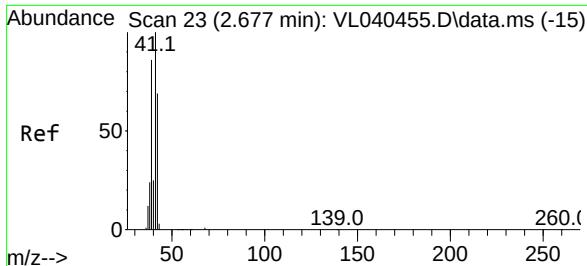
Tgt Ion: 49 Resp: 1129916
Ion Ratio Lower Upper
49 100
128 49.7 24.7 74.1
130 63.6 31.4 94.2



#2
Dichlorodifluoromethane
Concen: 0.059 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.013 min
Lab File: VL040473.D
Acq: 15 Jun 2023 18:57

Tgt Ion: 85 Resp: 14411
Ion Ratio Lower Upper
85 100
87 30.3 26.6 39.8





#9

Propene

Concen: 0.475 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.022 min

Lab File: VL040473.D

Acq: 15 Jun 2023 18:57

Instrument :

MSVOA_L

ClientSampleId :

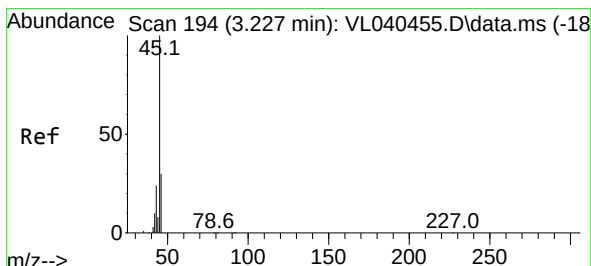
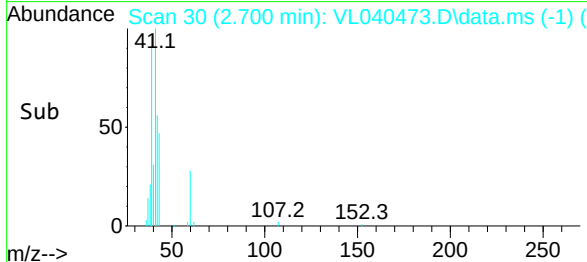
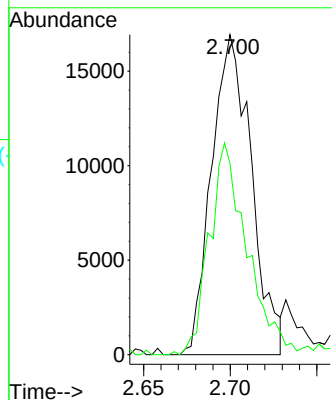
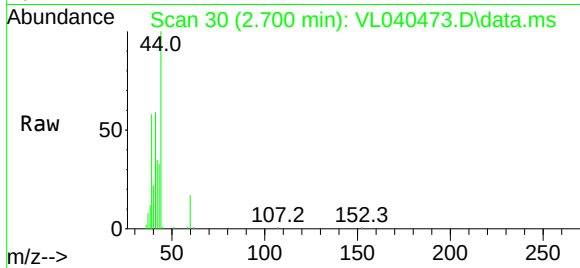
SVP-07DL

Tgt Ion: 41 Resp: 27085

Ion Ratio Lower Upper

41 100

42 62.7 56.2 84.2



#13

Ethanol

Concen: 1.607 ppbv

RT: 3.253 min Scan# 202

Delta R.T. 0.026 min

Lab File: VL040473.D

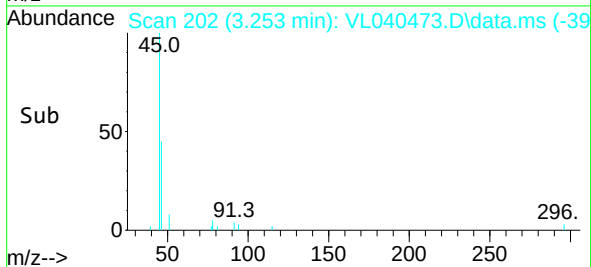
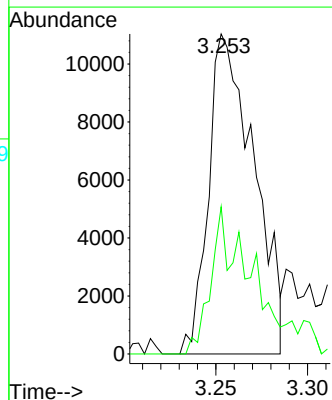
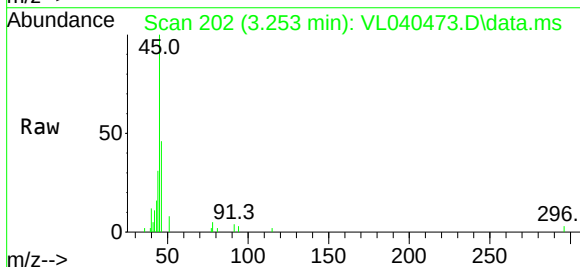
Acq: 15 Jun 2023 18:57

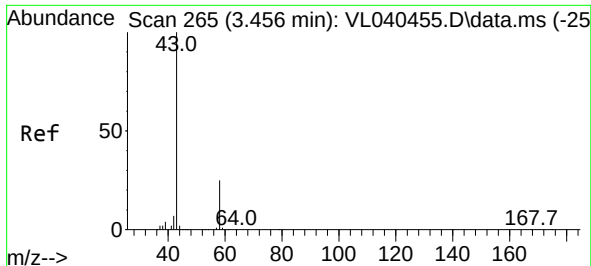
Tgt Ion: 45 Resp: 18996

Ion Ratio Lower Upper

45 100

46 45.9 14.5 58.1





#15

Acetone

Concen: 1.440 ppbv

RT: 3.481 min Scan# 21

Delta R.T. 0.026 min

Lab File: VL040473.D

Acq: 15 Jun 2023 18:57

Instrument :

MSVOA_L

ClientSampleId :

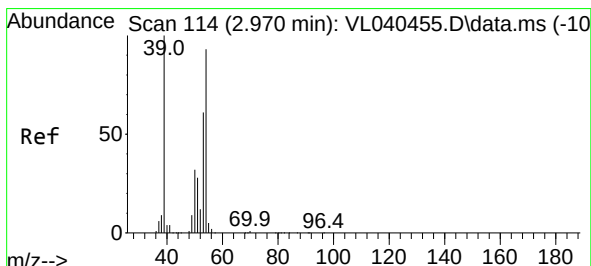
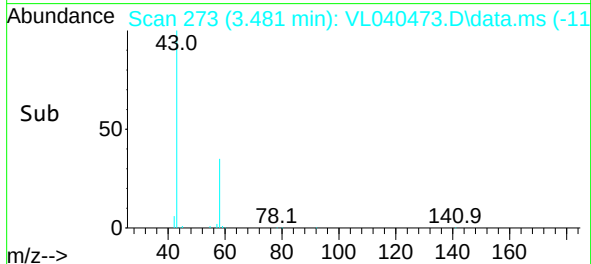
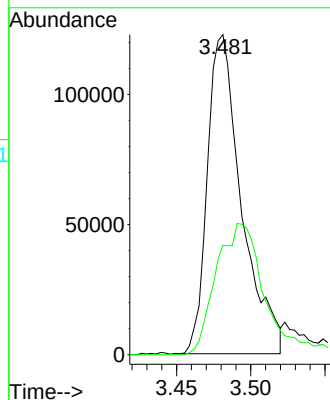
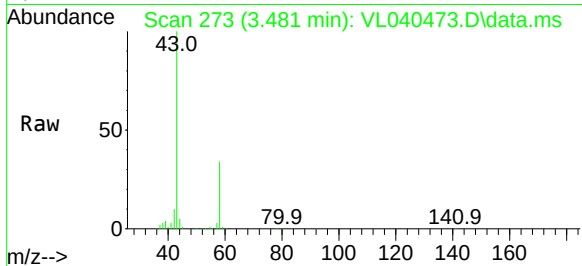
SVP-07DL

Tgt Ion: 43 Resp: 196310

Ion Ratio Lower Upper

43 100

58 60.7 21.6 32.4#



#16

1,3-Butadiene

Concen: 1.811 ppbv

RT: 2.964 min Scan# 112

Delta R.T. -0.006 min

Lab File: VL040473.D

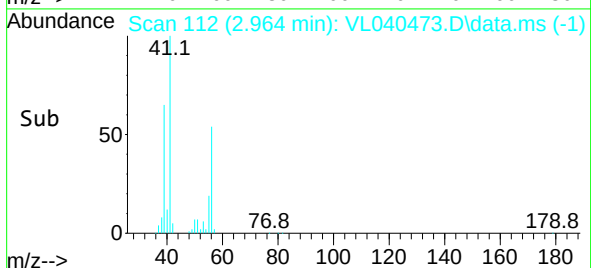
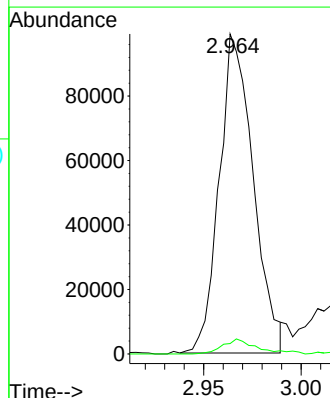
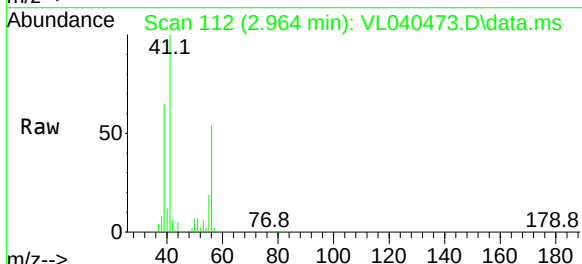
Acq: 15 Jun 2023 18:57

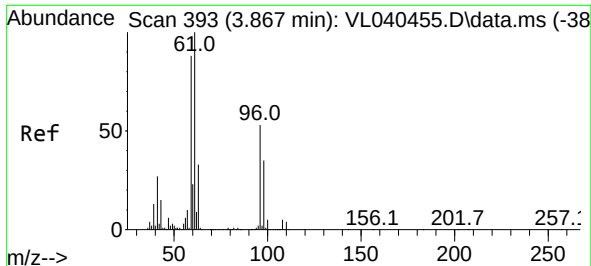
Tgt Ion: 39 Resp: 120137

Ion Ratio Lower Upper

39 100

54 4.7 66.9 100.3#





#17

tert-Butyl alcohol

Concen: 0.811 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.029 min

Lab File: VL040473.D

Acq: 15 Jun 2023 18:57

Instrument :

MSVOA_L

ClientSampleId :

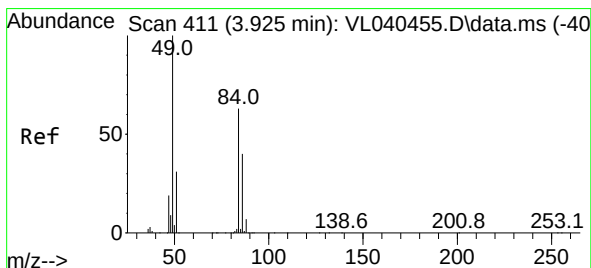
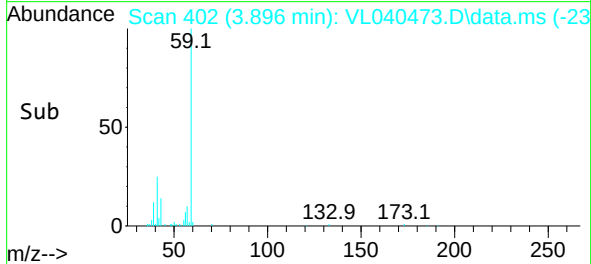
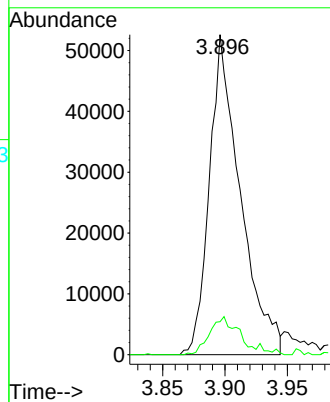
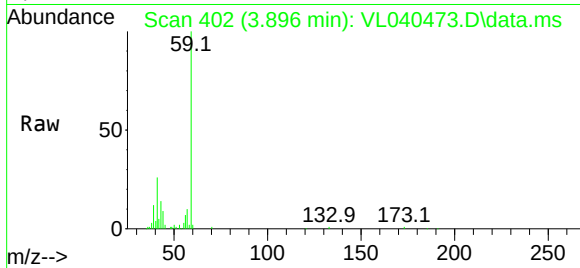
SVP-07DL

Tgt Ion: 59 Resp: 90826

Ion Ratio Lower Upper

59 100

57 12.4 8.8 13.2



#20

Methylene Chloride

Concen: 0.178 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.013 min

Lab File: VL040473.D

Acq: 15 Jun 2023 18:57

Tgt Ion: 84 Resp: 10362

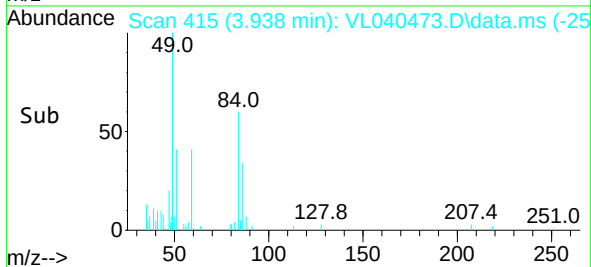
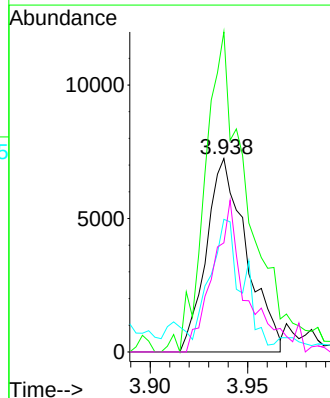
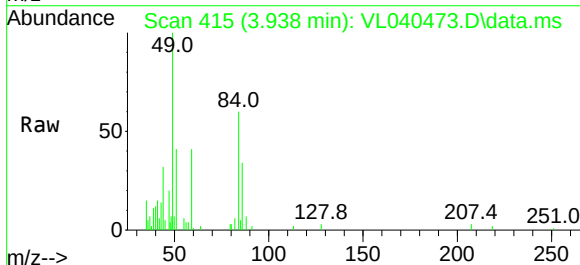
Ion Ratio Lower Upper

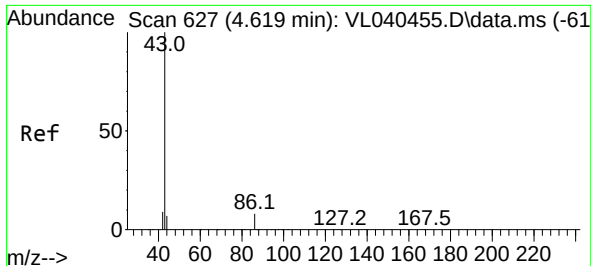
84 100

49 177.5 126.2 189.2

51 61.2 38.7 58.1#

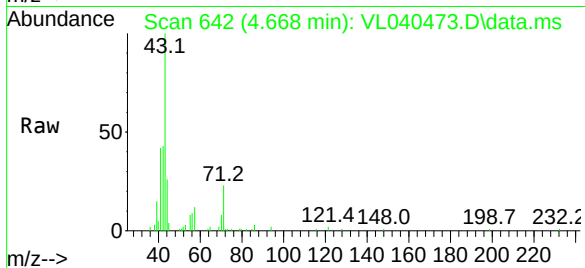
86 56.5 50.6 75.8





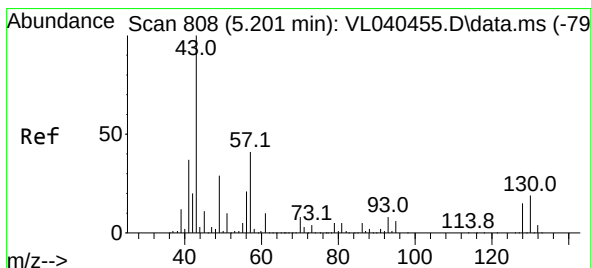
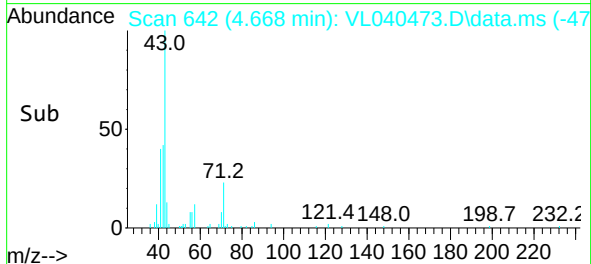
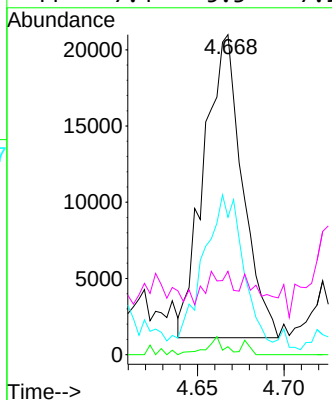
#23
Vinyl Acetate
Concen: 0.231 ppbv
RT: 4.668 min Scan# 642
Delta R.T. 0.048 min
Lab File: VL040473.D
Acq: 15 Jun 2023 18:57

Instrument :
MSVOA_1
ClientSampleId :
SVP-07DL



Tgt Ion: 43 Resp: 30723

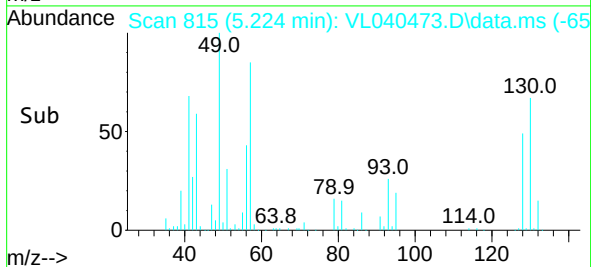
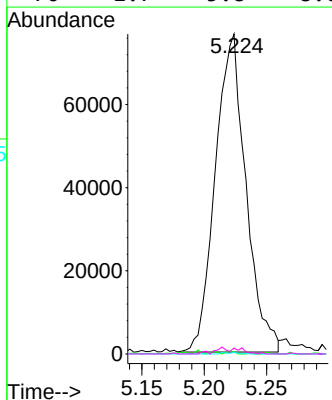
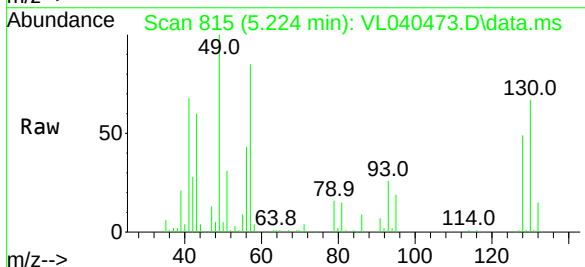
Ion	Ratio	Lower	Upper
43	100		
86	2.7	5.8	8.6#
42	40.4	7.4	11.2#
44	7.4	5.3	7.9

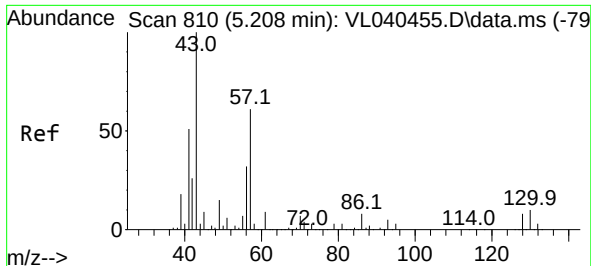


#25
Ethyl Acetate
Concen: 0.530 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.022 min
Lab File: VL040473.D
Acq: 15 Jun 2023 18:57

Tgt Ion: 43 Resp: 130929

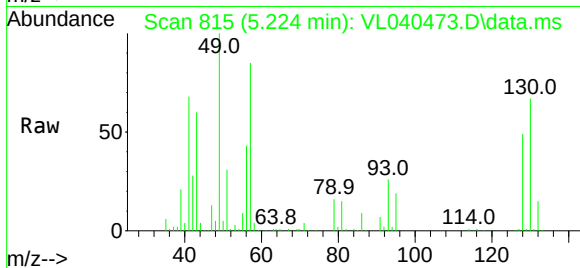
Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.0	12.0#
61	0.2	8.1	12.1#
70	1.7	5.8	8.6#



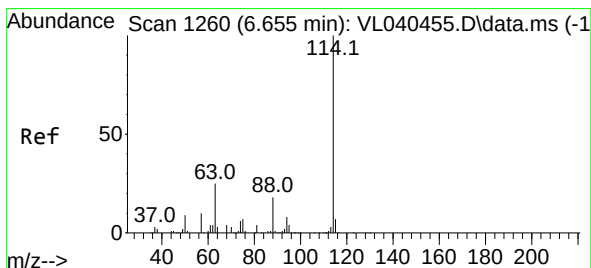
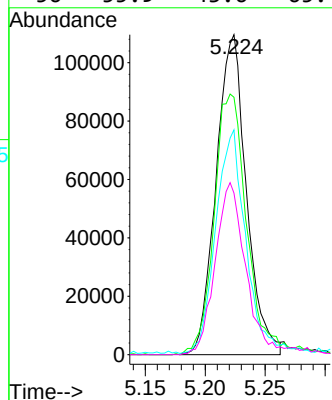
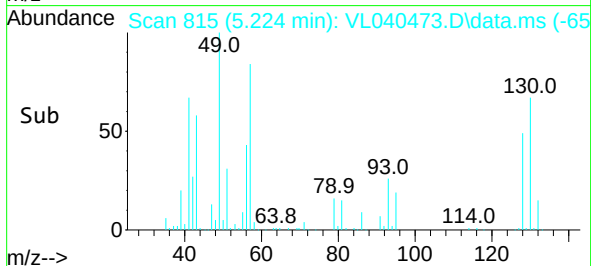


#26
Hexane
Concen: 1.646 ppbv
RT: 5.224 min Scan# 810
Delta R.T. 0.016 min
Lab File: VL040473.D
Acq: 15 Jun 2023 18:57

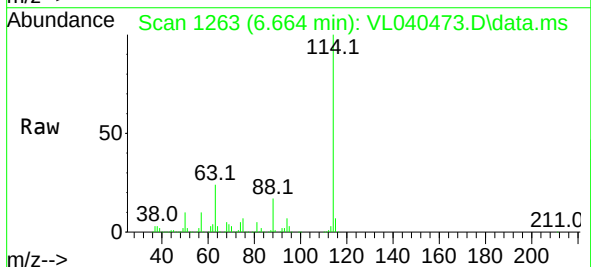
Instrument :
MSVOA_L
ClientSampleId :
SVP-07DL



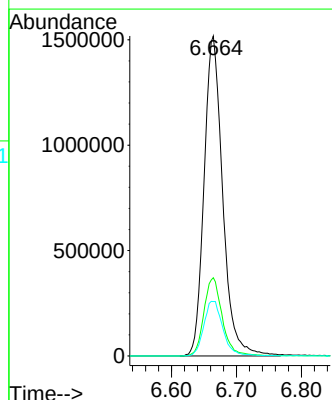
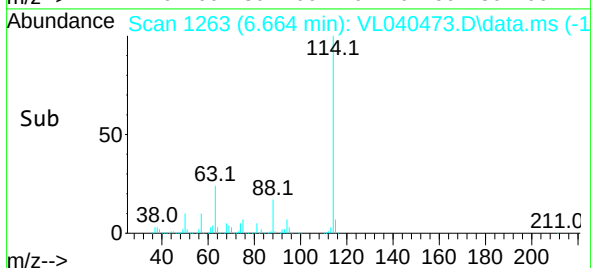
Tgt Ion: 57 Resp: 192525
Ion Ratio Lower Upper
57 100
41 89.9 73.0 109.6
43 71.2 177.5 266.3#
56 55.9 43.6 65.4

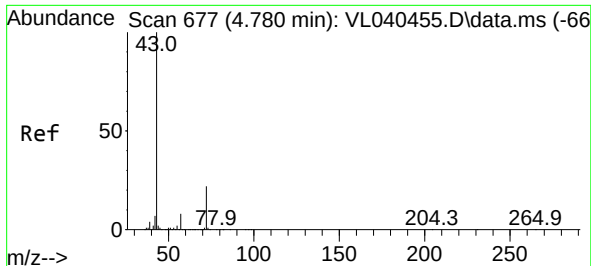


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.010 min
Lab File: VL040473.D
Acq: 15 Jun 2023 18:57



Tgt Ion: 114 Resp: 3029056
Ion Ratio Lower Upper
114 100
63 24.2 21.0 31.6
88 17.7 14.5 21.7

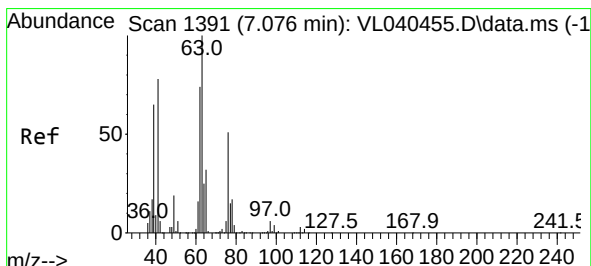
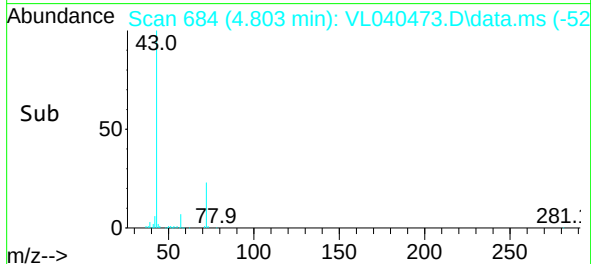
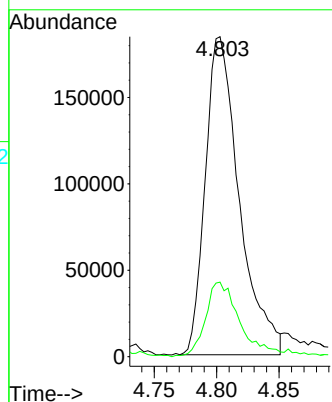
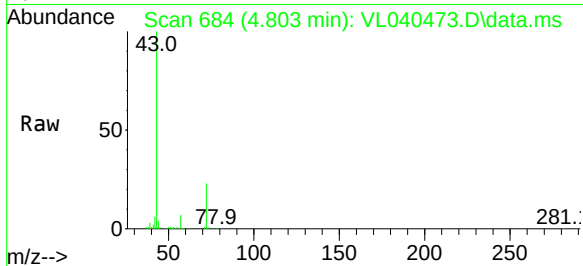




#34
2-Butanone
Concen: 2.390 ppbv
RT: 4.803 min Scan# 61
Delta R.T. 0.022 min
Lab File: VL040473.D
Acq: 15 Jun 2023 18:57

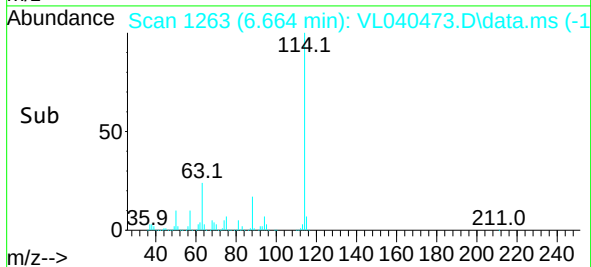
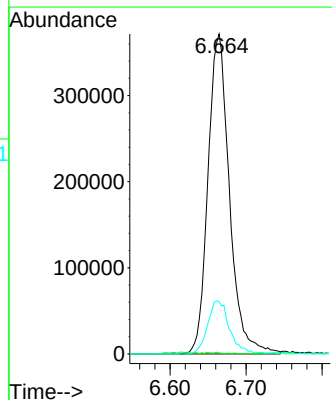
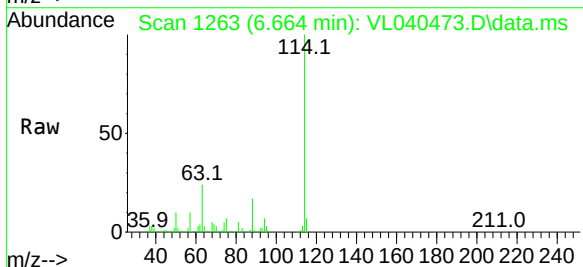
Instrument :
MSVOA_L
ClientSampleId :
SVP-07DL

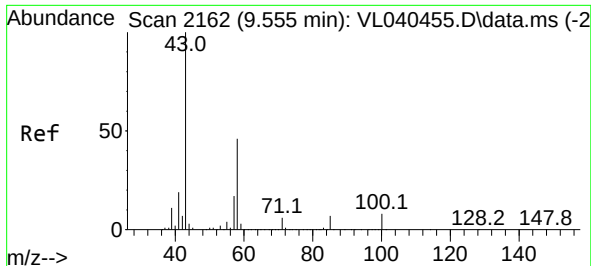
Tgt Ion: 43 Resp: 349162
Ion Ratio Lower Upper
43 100
72 24.7 18.1 27.1



#39
1,2-Dichloropropane
Concen: 7.833 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. -0.412 min
Lab File: VL040473.D
Acq: 15 Jun 2023 18:57

Tgt Ion: 63 Resp: 727552
Ion Ratio Lower Upper
63 100
41 0.2 62.2 93.2#
62 16.3 59.0 88.4#

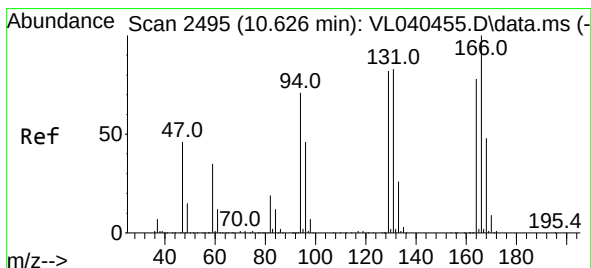
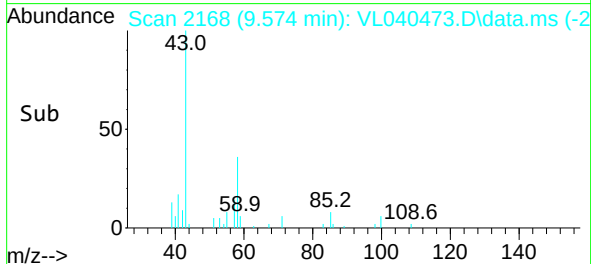
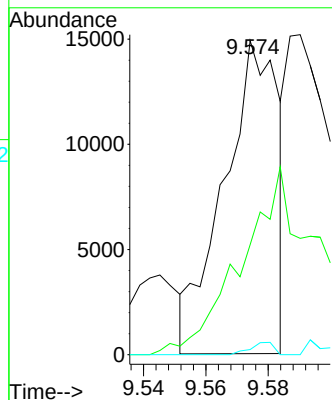
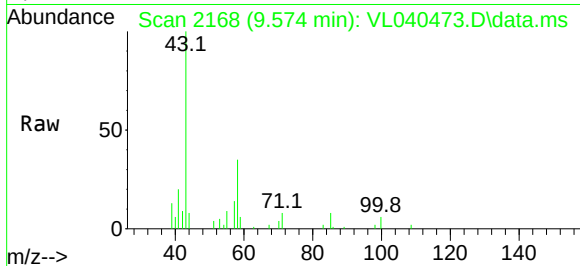




#51
2-Hexanone
Concen: 0.132 ppbv
RT: 9.574 min Scan# 2162
Delta R.T. 0.019 min
Lab File: VL040473.D
Acq: 15 Jun 2023 18:57

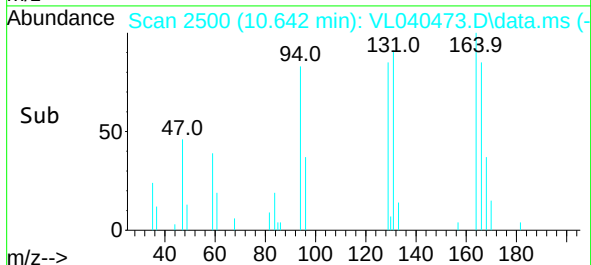
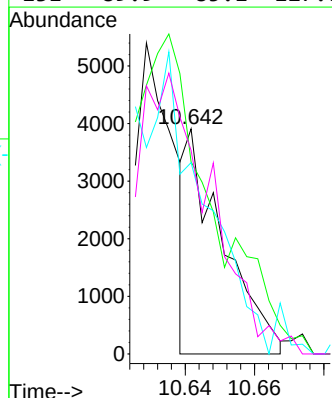
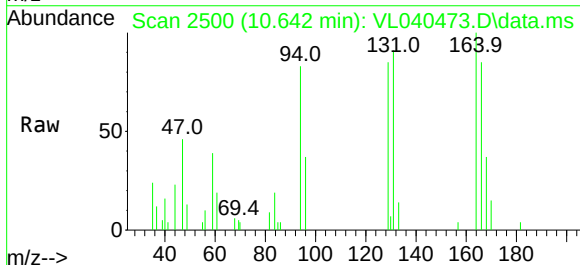
Instrument :
MSVOA_L
ClientSampleId :
SVP-07DL

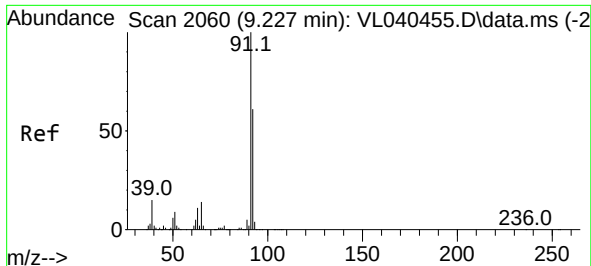
Tgt Ion: 43 Resp: 17920
Ion Ratio Lower Upper
43 100
58 0.0 37.1 55.7#
98 0.0 0.5 0.7#



#52
Tetrachloroethene
Concen: 0.038 ppbv
RT: 10.642 min Scan# 2500
Delta R.T. 0.016 min
Lab File: VL040473.D
Acq: 15 Jun 2023 18:57

Tgt Ion: 164 Resp: 2886
Ion Ratio Lower Upper
164 100
166 77.1 102.7 154.1#
129 66.3 84.6 126.8#
131 89.9 85.1 127.7

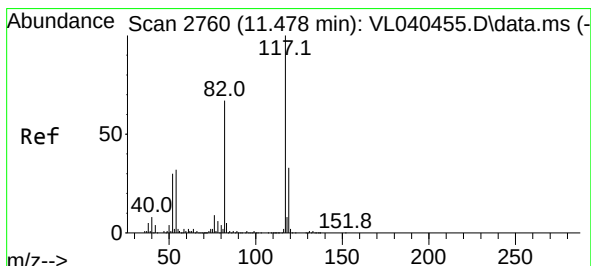
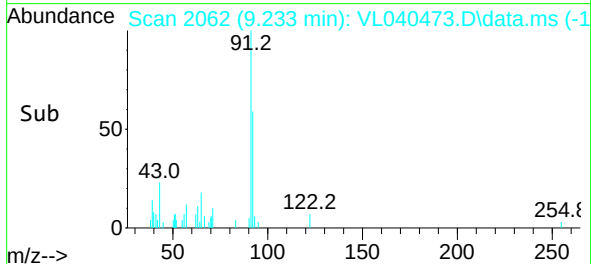
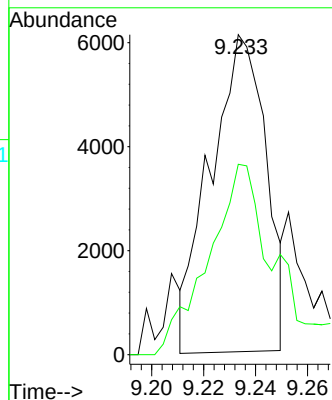
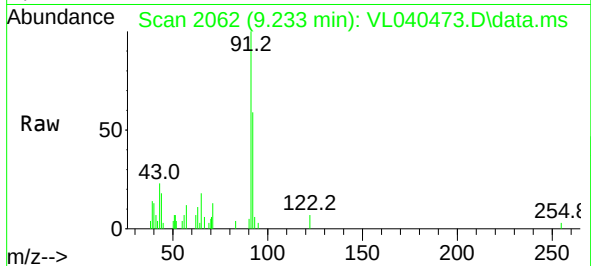




#53
Toluene
Concen: 0.036 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.006 min
Lab File: VL040473.D
Acq: 15 Jun 2023 18:57

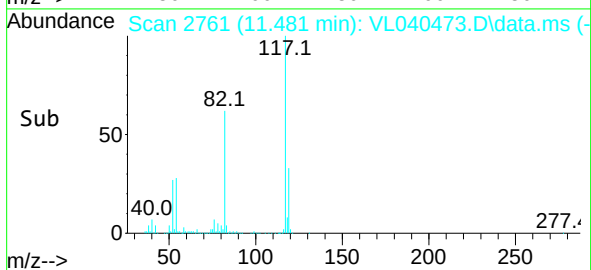
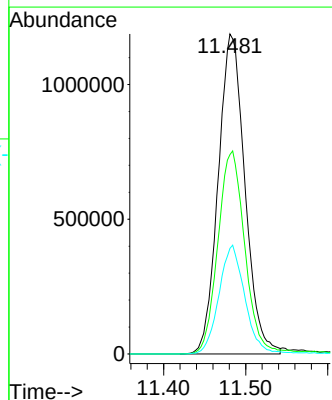
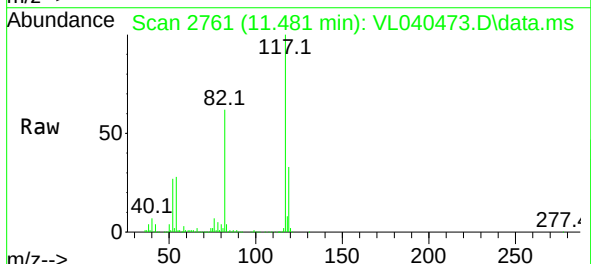
Instrument :
MSVOA_L
ClientSampleId :
SVP-07DL

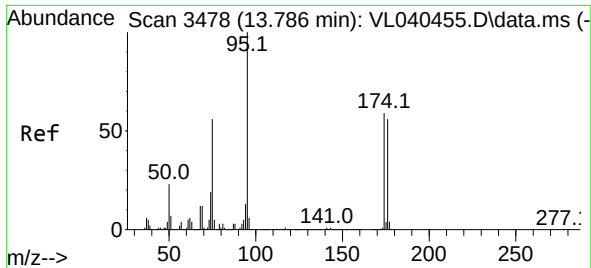
Tgt Ion: 91 Resp: 9064
Ion Ratio Lower Upper
91 100
92 73.3 49.1 73.7



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.003 min
Lab File: VL040473.D
Acq: 15 Jun 2023 18:57

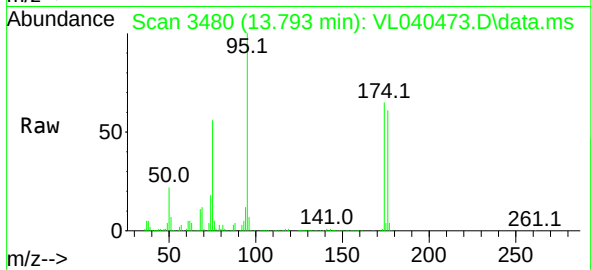
Tgt Ion: 117 Resp: 2687809
Ion Ratio Lower Upper
117 100
82 65.6 53.0 79.4
119 33.3 24.4 36.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.461 ppbv
 RT: 13.793 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: VL040473.D
 Acq: 15 Jun 2023 18:57

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-07DL



Tgt Ion: 95 Resp: 2098893

Ion	Ratio	Lower	Upper
95	100		
174	64.3	47.7	71.5
175	4.8	3.5	5.3

