

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041518.D
 Acq On : 8 Aug 2024 18:34
 Operator : SY/MD
 Sample : P3496-05DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL

Quant Time: Aug 09 05:57:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 06 01:32:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1171233	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3032376	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2752972	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2127243	10.041	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%

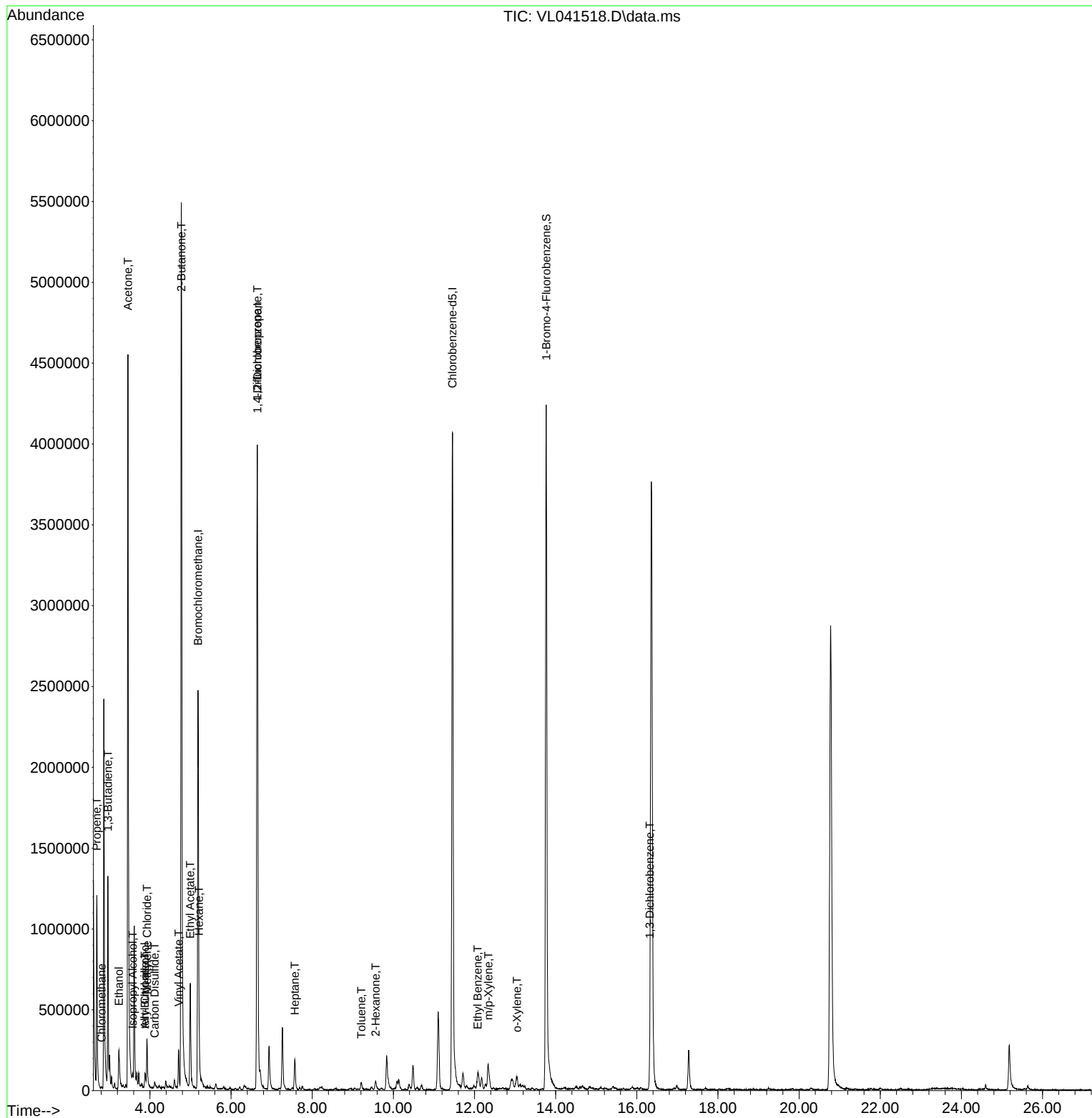
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.806	50	8531	0.115	ppbv	97
9) Propene	2.690	41	466647	7.286	ppbv	98
10) Heptane	7.571	43	77404	0.538	ppbv	97
13) Ethanol	3.237	45	314516	54.940	ppbv	99
15) Acetone	3.459	43	4542272	34.133	ppbv #	89
16) 1,3-Butadiene	2.964	39	304882	4.288	ppbv #	18
17) tert-Butyl alcohol	3.877	59	72396	0.597	ppbv #	94
19) Isopropyl Alcohol	3.575	45	59874	0.770	ppbv #	93
20) Methylene Chloride	3.928	84	91545	1.845	ppbv	95
21) Allyl Chloride	3.877	41	24903	0.285	ppbv #	75
23) Vinyl Acetate	4.710	43	68549	0.674	ppbv #	11
25) Ethyl Acetate	4.996	43	85953	0.325	ppbv #	36
26) Hexane	5.208	57	69422	0.633	ppbv #	7
27) Carbon Disulfide	4.115	76	37038	0.289	ppbv #	74
34) 2-Butanone	4.774	43	6793508	46.313	ppbv	97
39) 1,2-Dichloropropane	6.645	63	759338	8.951	ppbv #	26
51) 2-Hexanone	9.561	43	30521	0.174	ppbv #	39
53) Toluene	9.214	91	24463	0.099	ppbv	100
58) Ethyl Benzene	12.076	91	70952	0.224	ppbv	93
59) m/p-Xylene	12.339	91	86254	0.315	ppbv #	31
60) o-Xylene	13.047	91	51159	0.197	ppbv	98
75) 1,3-Dichlorobenzene	16.323	146	33235	0.173	ppbv #	40

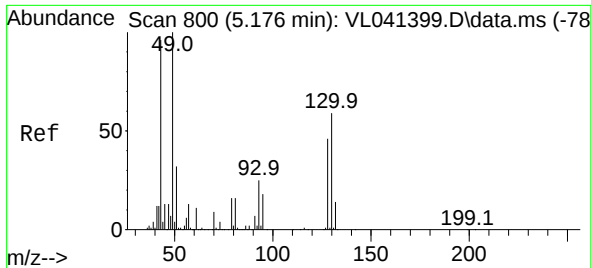
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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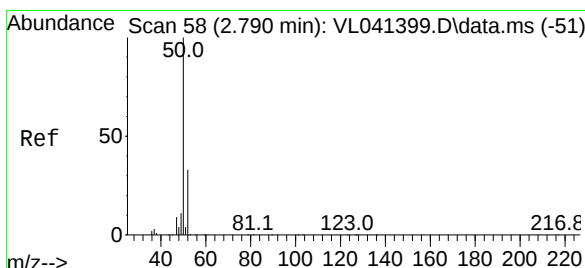
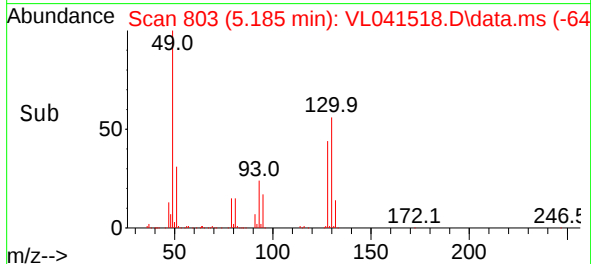
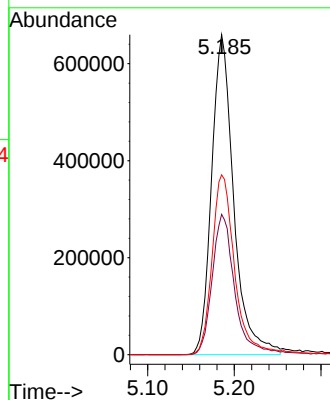
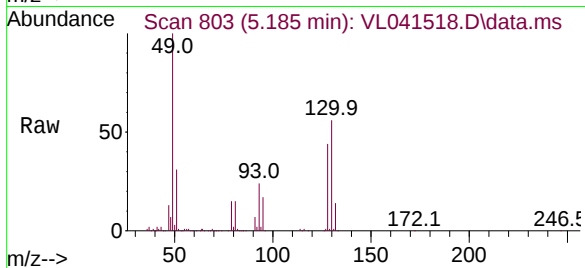




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.004 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

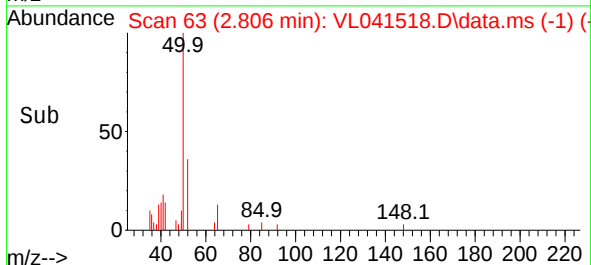
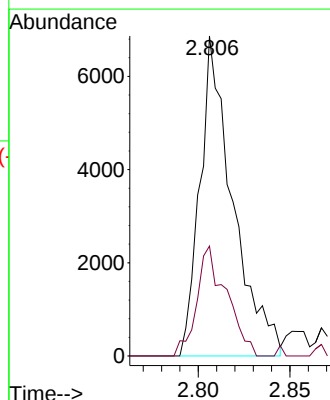
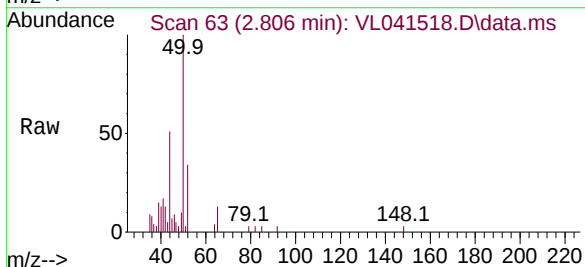
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

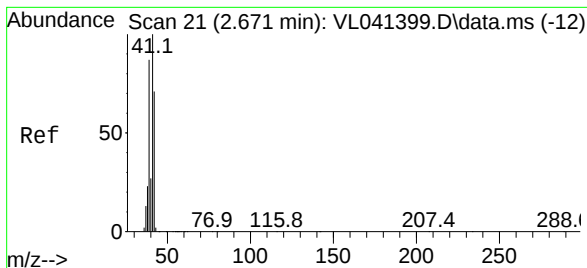
Tgt Ion: 49 Resp: 1171233
Ion Ratio Lower Upper
49 100
128 44.9 23.8 71.4
130 59.3 30.8 92.4



#4
Chloromethane
Concen: 0.115 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.010 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Tgt Ion: 50 Resp: 8531
Ion Ratio Lower Upper
50 100
52 31.1 26.1 39.1





#9

Propene

Concen: 7.286 ppbv

RT: 2.690 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041518.D

Acq: 8 Aug 2024 18:34

Instrument :

MSVOA_L

ClientSampleId :

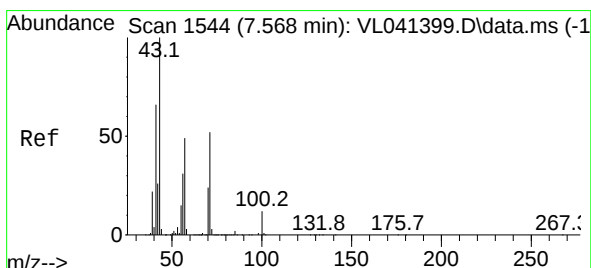
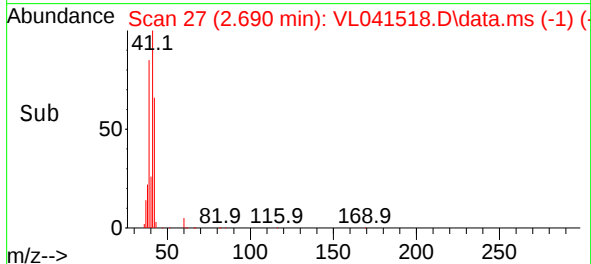
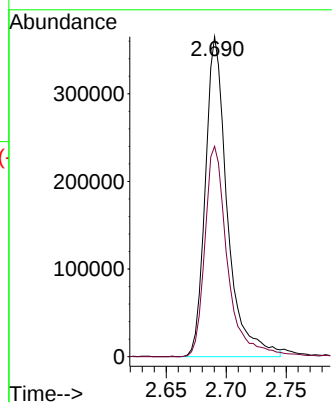
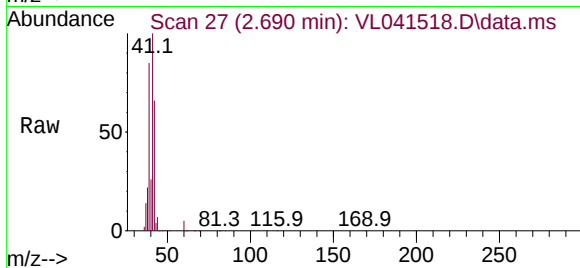
SV-4DL

Tgt Ion: 41 Resp: 466647

Ion Ratio Lower Upper

41 100

42 68.3 55.9 83.9



#10

Heptane

Concen: 0.538 ppbv

RT: 7.571 min Scan# 1545

Delta R.T. -0.003 min

Lab File: VL041518.D

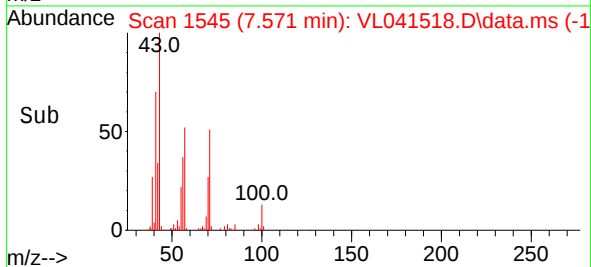
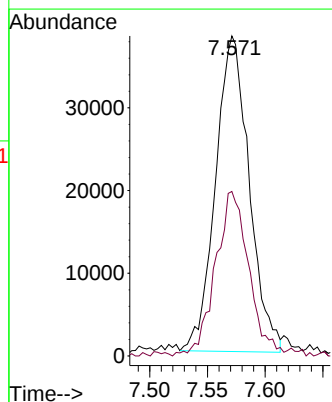
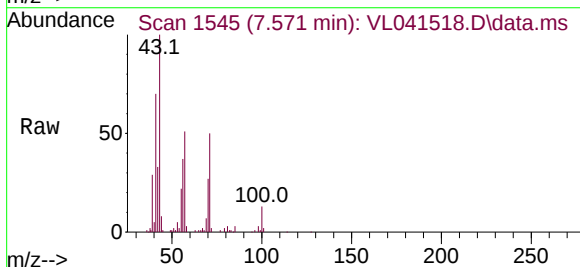
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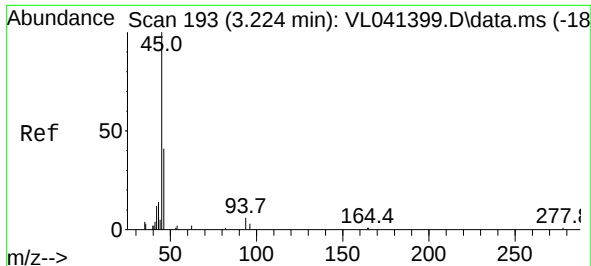
Tgt Ion: 43 Resp: 77404

Ion Ratio Lower Upper

43 100

57 52.8 40.5 60.7





#13

Ethanol

Concen: 54.940 ppbv

RT: 3.237 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL041518.D

Acq: 8 Aug 2024 18:34

Instrument :

MSVOA_L

ClientSampleId :

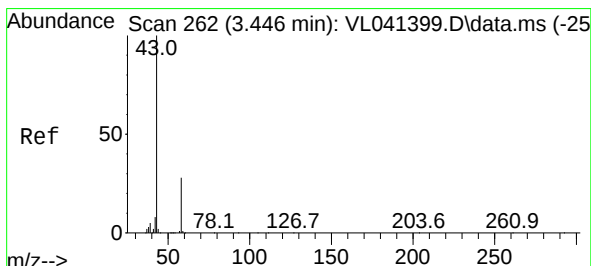
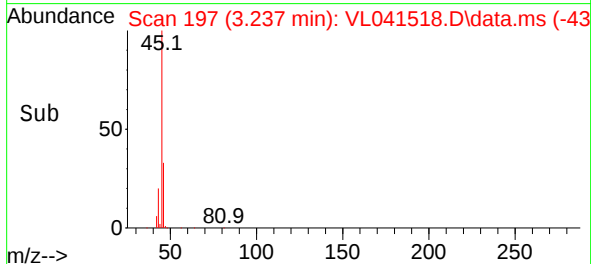
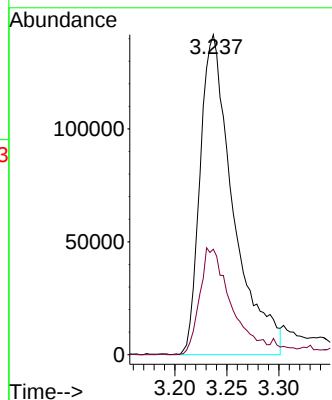
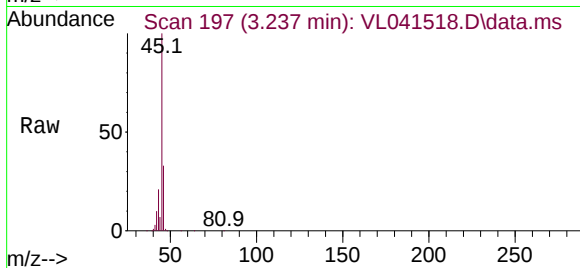
SV-4DL

Tgt Ion: 45 Resp: 314516

Ion Ratio Lower Upper

45 100

46 34.1 13.4 53.4



#15

Acetone

Concen: 34.133 ppbv

RT: 3.459 min Scan# 266

Delta R.T. -0.010 min

Lab File: VL041518.D

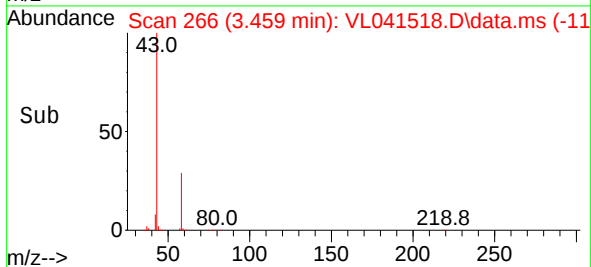
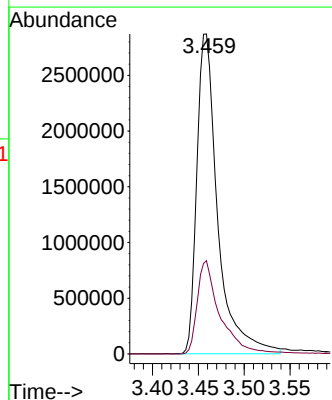
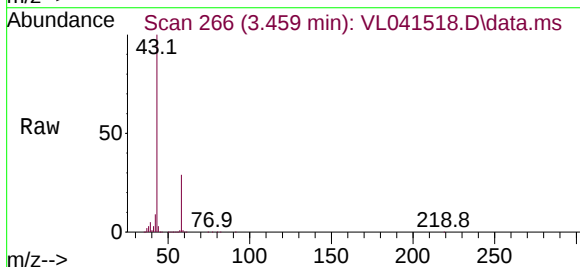
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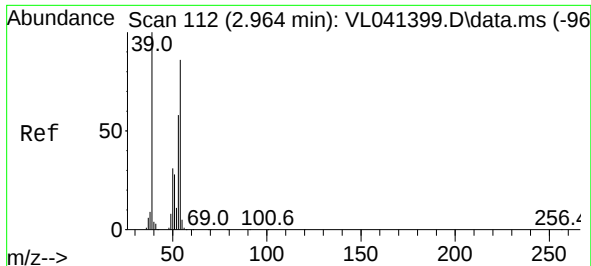
Tgt Ion: 43 Resp: 4542272

Ion Ratio Lower Upper

43 100

58 32.3 21.4 32.2#





#16

1,3-Butadiene

Concen: 4.288 ppbv

RT: 2.964 min Scan# 112

Delta R.T. -0.022 min

Lab File: VL041518.D

Acq: 8 Aug 2024 18:34

Instrument :

MSVOA_L

ClientSampleId :

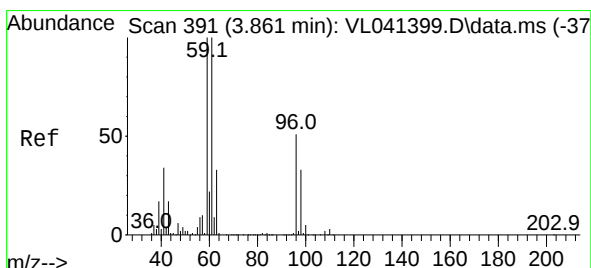
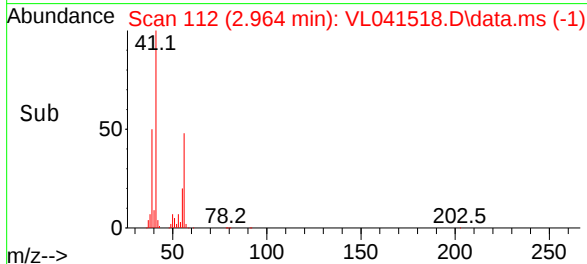
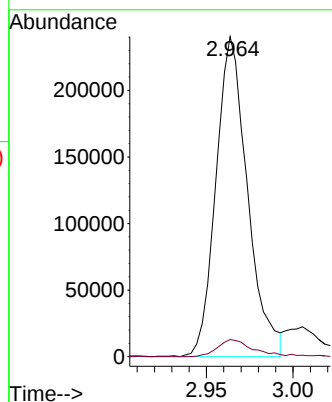
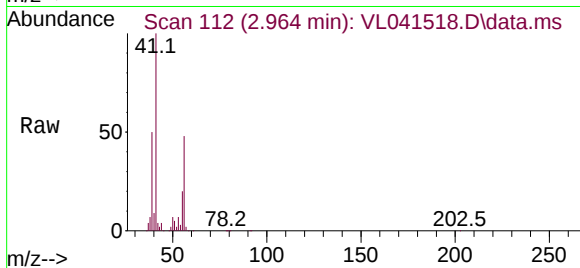
SV-4DL

Tgt Ion: 39 Resp: 304882

Ion Ratio Lower Upper

39 100

54 6.4 62.5 93.7#



#17

tert-Butyl alcohol

Concen: 0.597 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.000 min

Lab File: VL041518.D

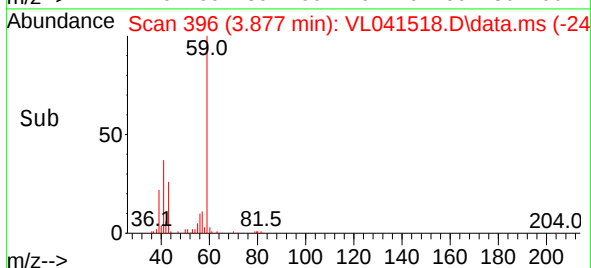
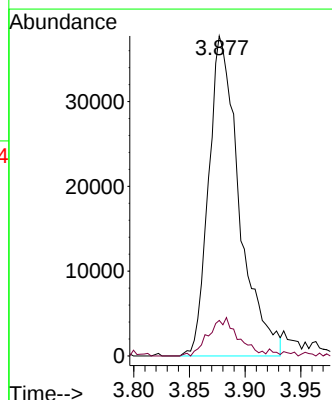
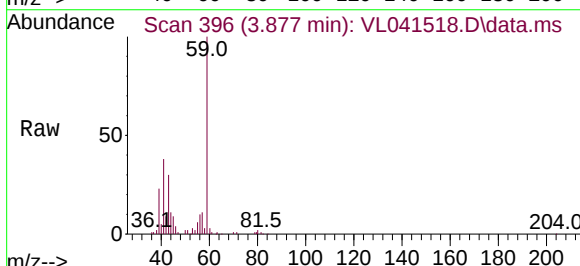
Acq: 8 Aug 2024 18:34

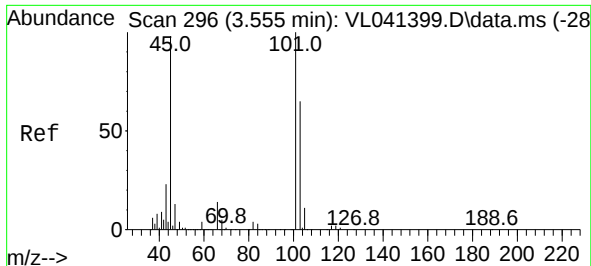
Tgt Ion: 59 Resp: 72396

Ion Ratio Lower Upper

59 100

57 13.0 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 0.770 ppbv

RT: 3.575 min Scan# 302

Delta R.T. 0.000 min

Lab File: VL041518.D

Acq: 8 Aug 2024 18:34

Instrument :

MSVOA_L

ClientSampleId :

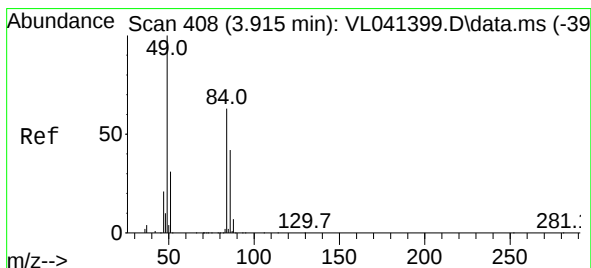
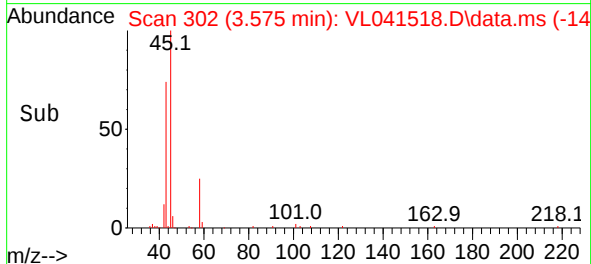
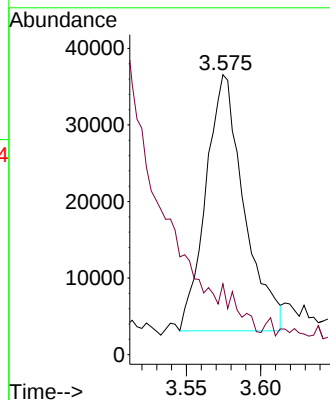
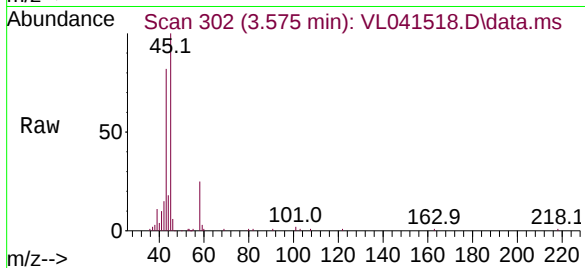
SV-4DL

Tgt Ion: 45 Resp: 59874

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#



#20

Methylene Chloride

Concen: 1.845 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.003 min

Lab File: VL041518.D

Acq: 8 Aug 2024 18:34

Tgt Ion: 84 Resp: 91545

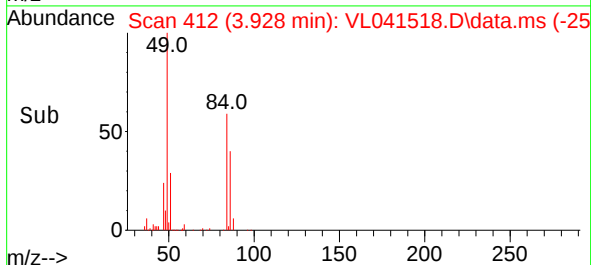
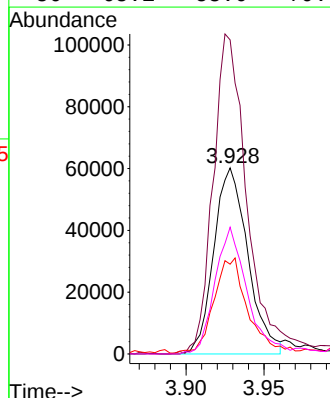
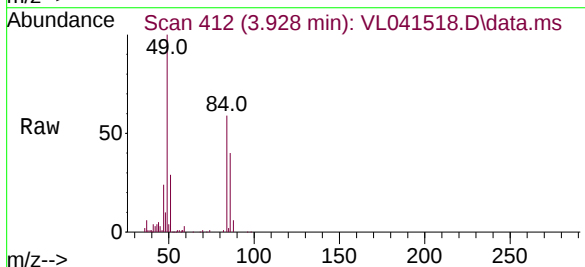
Ion Ratio Lower Upper

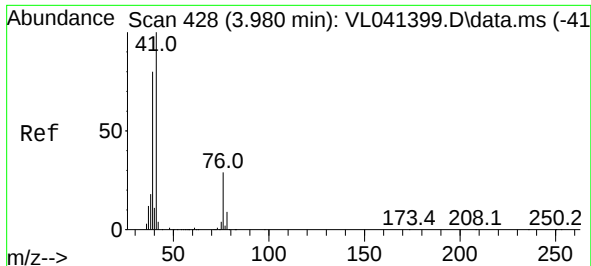
84 100

49 167.4 126.6 190.0

51 46.6 38.6 58.0

86 68.1 53.0 79.4

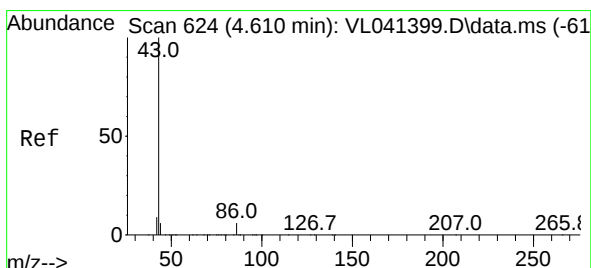
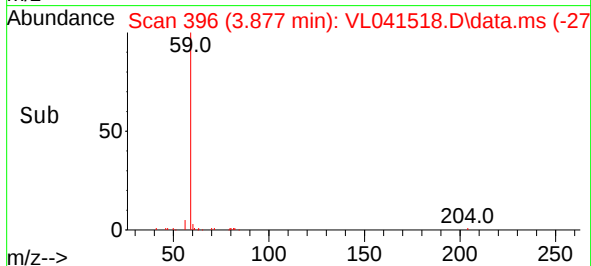
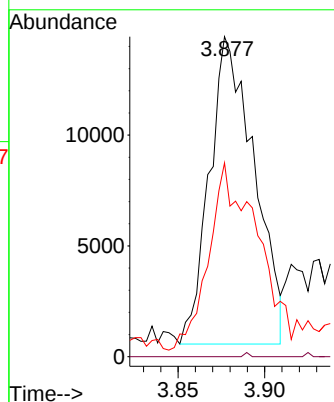
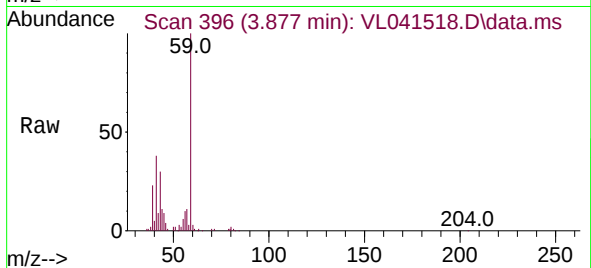




#21
Allyl Chloride
Concen: 0.285 ppbv
RT: 3.877 min Scan# 30
Delta R.T. -0.119 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

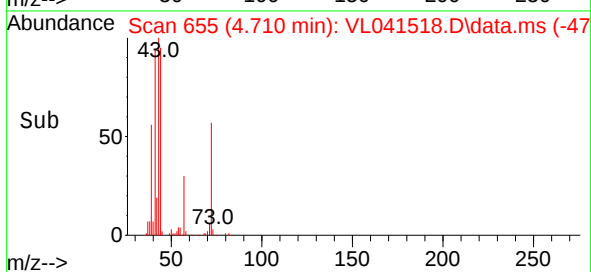
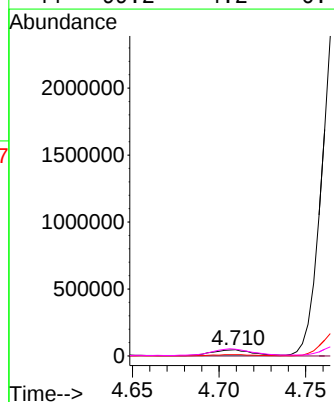
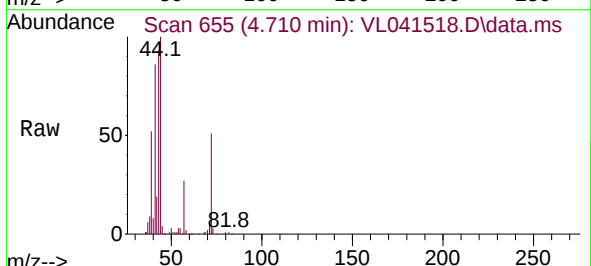
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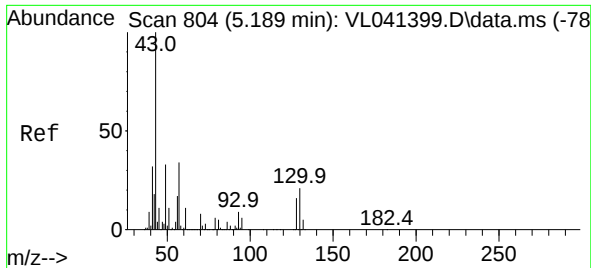
Tgt Ion: 41 Resp: 24903
Ion Ratio Lower Upper
41 100
76 0.0 23.7 35.5#
39 68.1 64.3 96.5



#23
Vinyl Acetate
Concen: 0.674 ppbv
RT: 4.710 min Scan# 655
Delta R.T. 0.084 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Tgt Ion: 43 Resp: 68549
Ion Ratio Lower Upper
43 100
86 0.0 4.6 6.8#
42 19.9 7.9 11.9#
44 99.2 4.2 6.4#

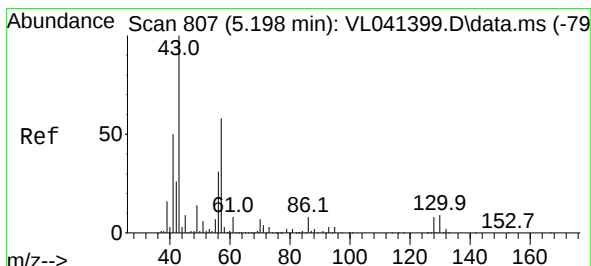
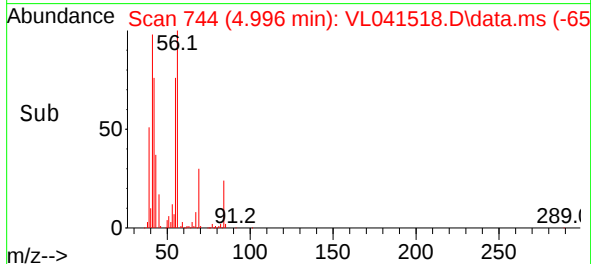
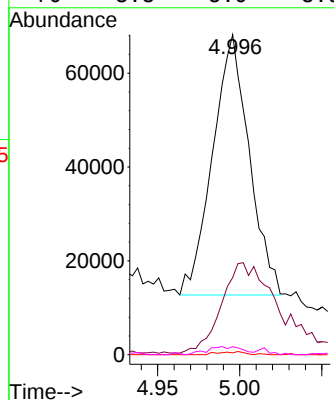
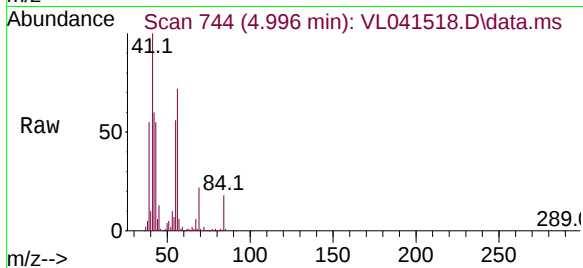




#25
Ethyl Acetate
Concen: 0.325 ppbv
RT: 4.996 min Scan# 744
Delta R.T. -0.206 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

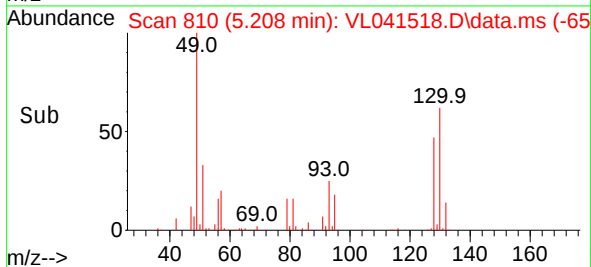
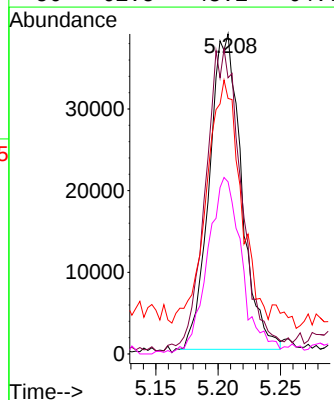
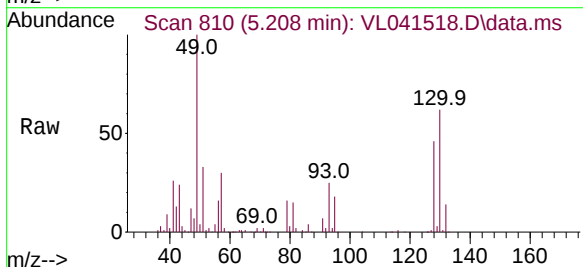
Instrument :
MSVOA_L
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SV-4DL

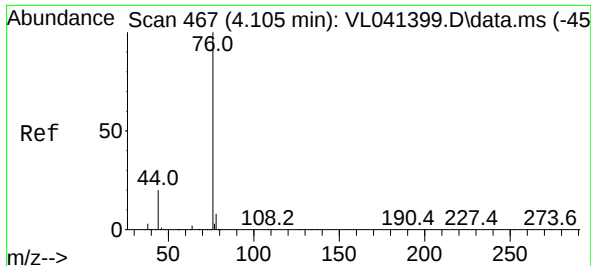
Tgt Ion:	43	Resp:	85953
Ion Ratio	Lower	Upper	
43	100		
45	62.9	8.5	12.7#
61	0.9	8.0	12.0#
70	3.8	5.9	8.9#



#26
Hexane
Concen: 0.633 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Tgt Ion:	57	Resp:	69422
Ion Ratio	Lower	Upper	
57	100		
41	107.5	74.0	111.0
43	0.0	193.6	290.4#
56	61.5	43.1	64.7

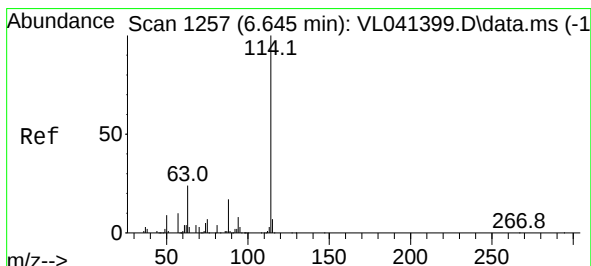
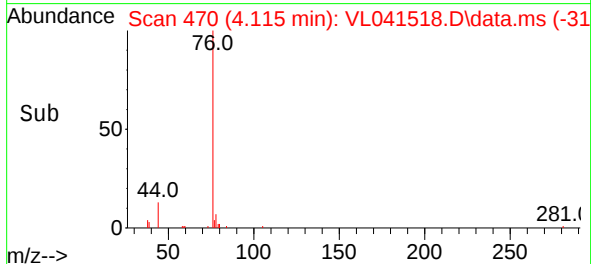
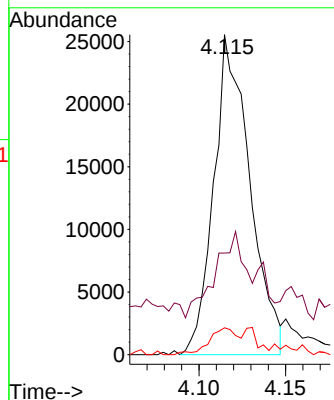
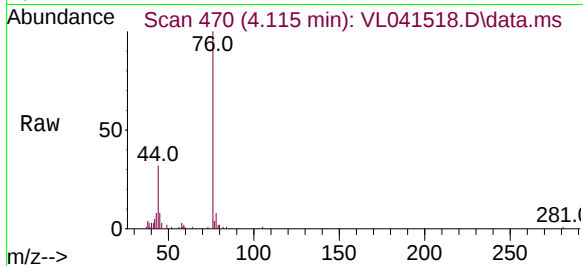




#27
Carbon Disulfide
Concen: 0.289 ppbv
RT: 4.115 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

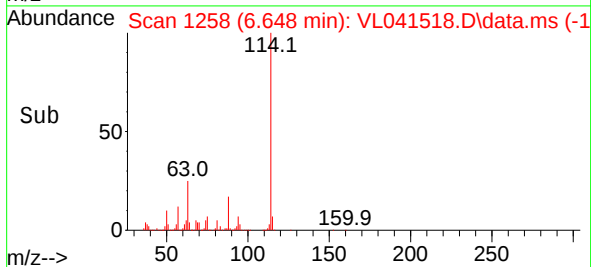
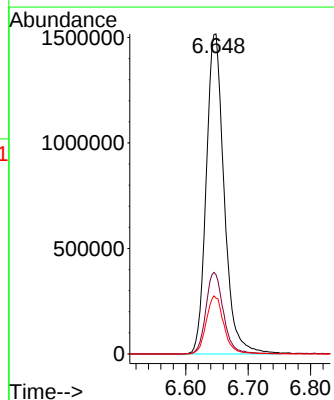
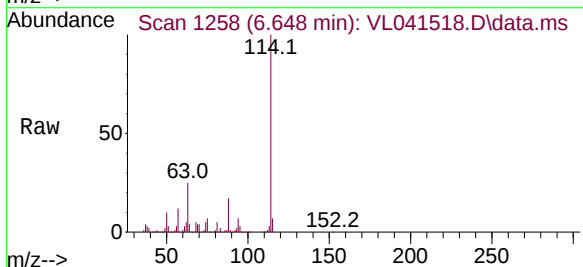
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

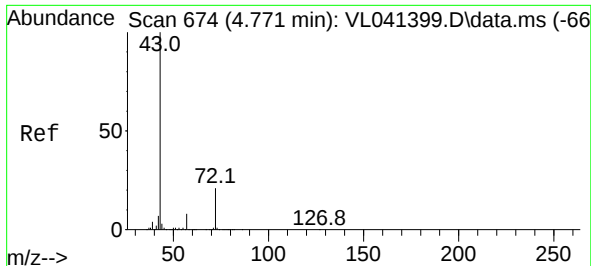
Tgt Ion: 76 Resp: 37038
Ion Ratio Lower Upper
76 100
44 35.1 15.6 23.4#
78 12.6 7.7 11.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Tgt Ion:114 Resp: 3032376
Ion Ratio Lower Upper
114 100
63 25.3 20.3 30.5
88 17.9 14.3 21.5

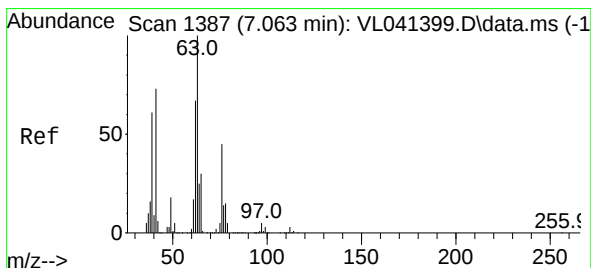
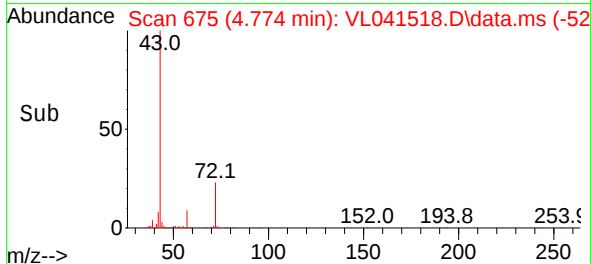
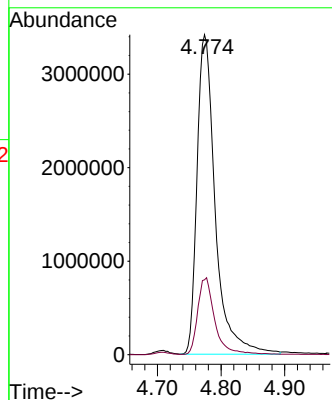
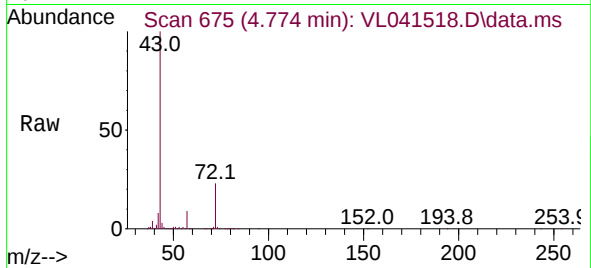




#34
2-Butanone
Concen: 46.313 ppbv
RT: 4.774 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

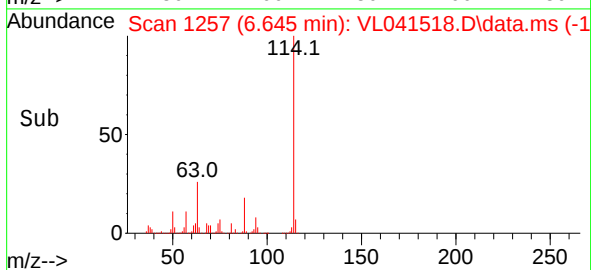
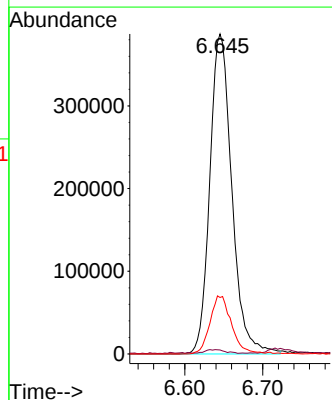
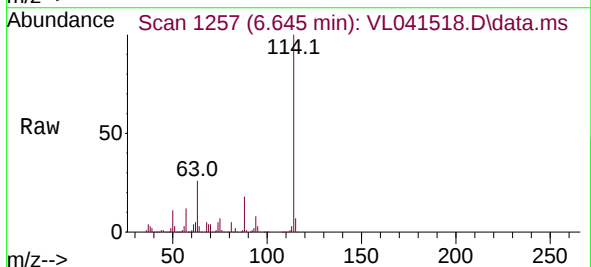
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

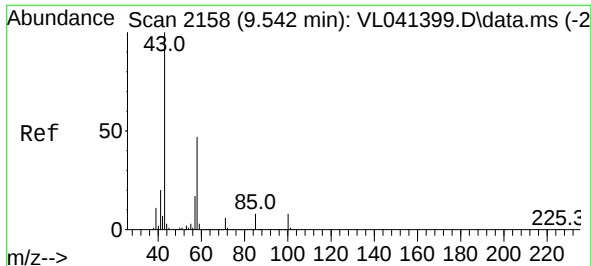
Tgt Ion: 43 Resp: 6793508
Ion Ratio Lower Upper
43 100
72 22.8 17.3 25.9



#39
1,2-Dichloropropane
Concen: 8.951 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.424 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Tgt Ion: 63 Resp: 759338
Ion Ratio Lower Upper
63 100
41 0.9 58.3 87.5#
62 17.7 53.9 80.9#

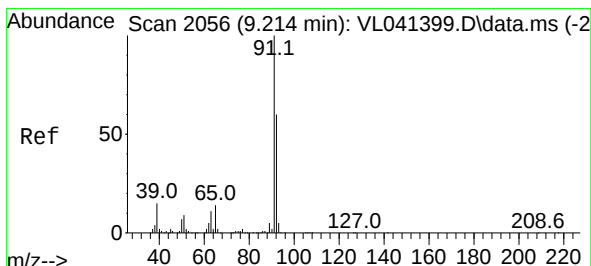
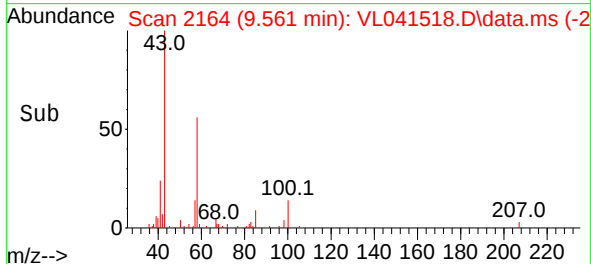
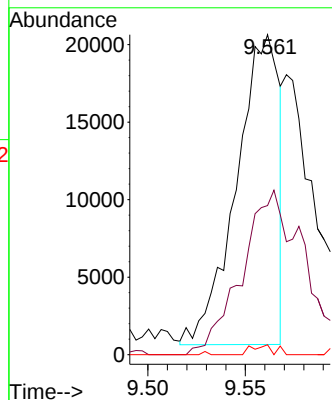
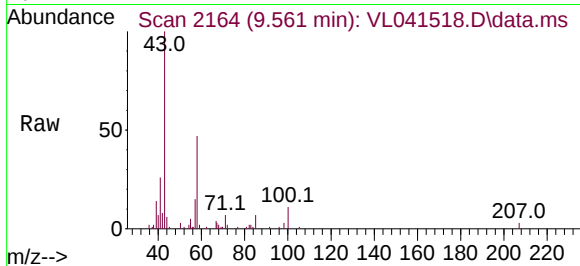




#51
2-Hexanone
Concen: 0.174 ppbv
RT: 9.561 min Scan# 2158
Delta R.T. 0.016 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

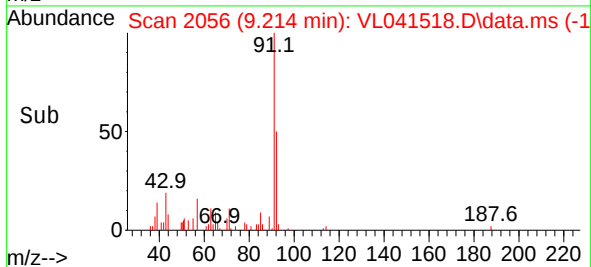
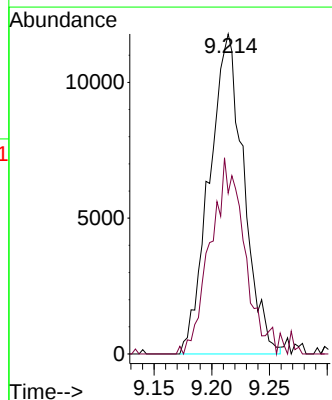
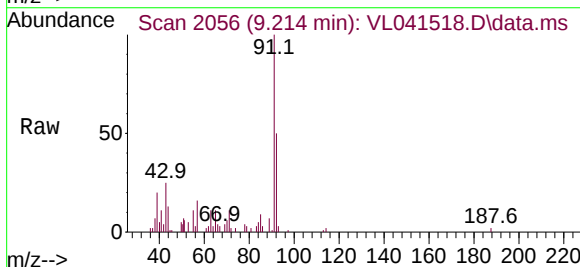
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

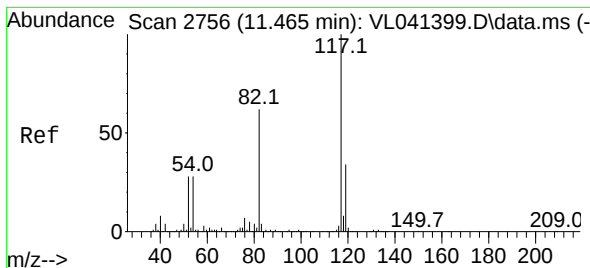
Tgt Ion: 43 Resp: 30521
Ion Ratio Lower Upper
43 100
58 88.8 38.2 57.2#
98 1.8 0.3 0.5#



#53
Toluene
Concen: 0.099 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. -0.003 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Tgt Ion: 91 Resp: 24463
Ion Ratio Lower Upper
91 100
92 61.1 48.7 73.1

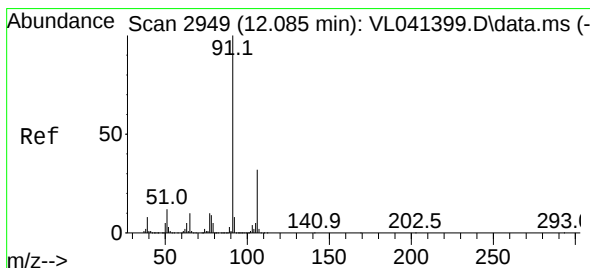
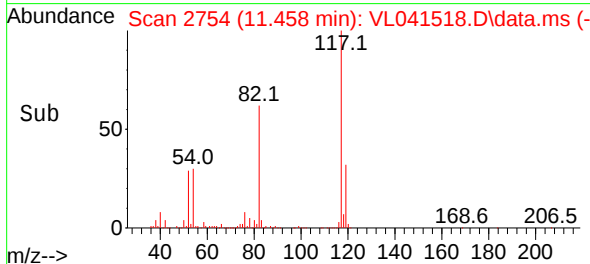
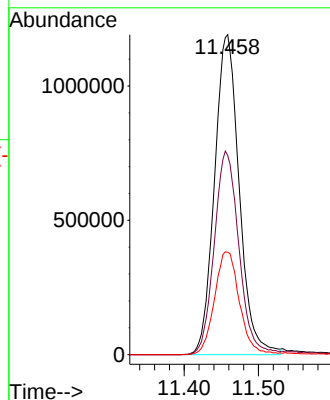
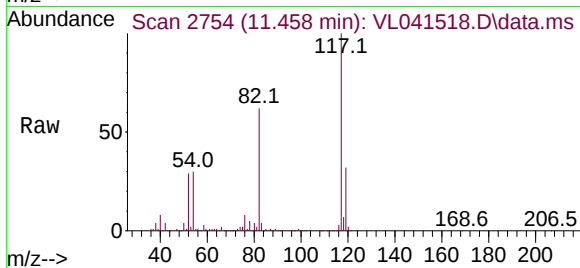




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

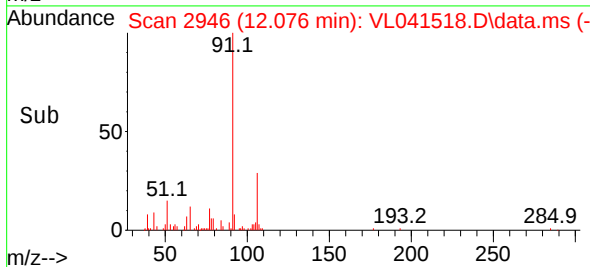
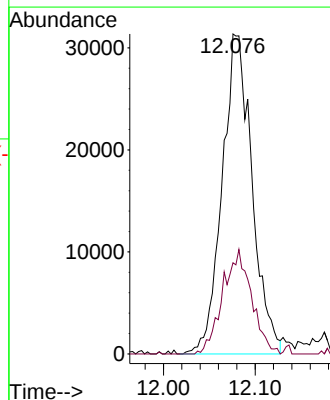
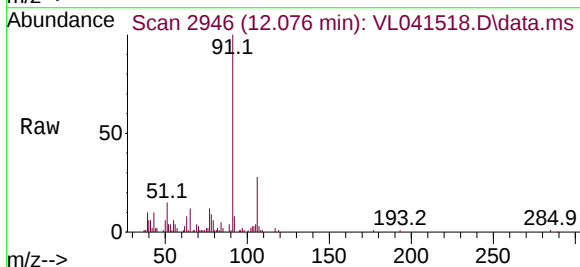
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

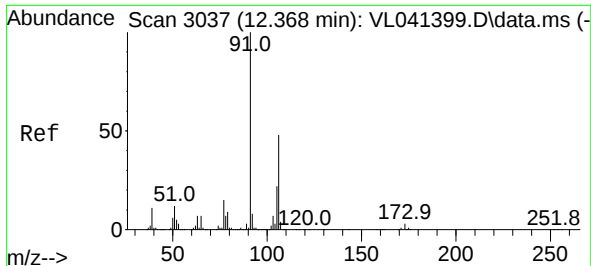
Tgt Ion:117 Resp: 2752972
Ion Ratio Lower Upper
117 100
82 65.2 51.0 76.6
119 32.9 45.2 67.8#



#58
Ethyl Benzene
Concen: 0.224 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. -0.010 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Tgt Ion: 91 Resp: 70952
Ion Ratio Lower Upper
91 100
106 28.5 25.8 38.8





#59

m/p-Xylene

Concen: 0.315 ppbv

RT: 12.339 min Scan# 3037

Delta R.T. -0.029 min

Lab File: VL041518.D

Acq: 8 Aug 2024 18:34

Instrument :

MSVOA_L

ClientSampleId :

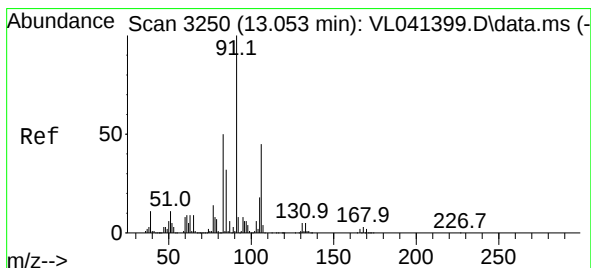
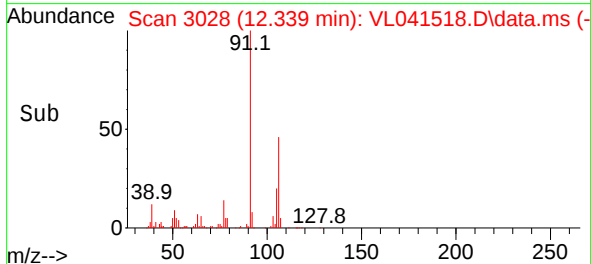
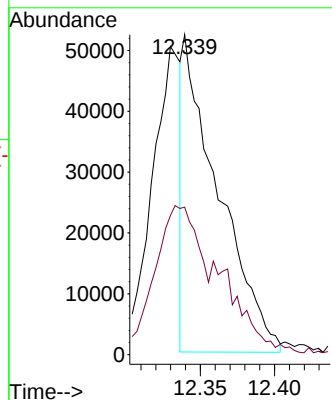
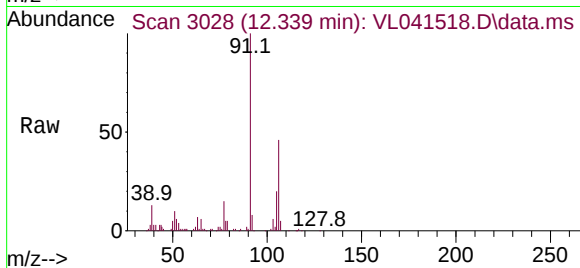
SV-4DL

Tgt Ion: 91 Resp: 86254

Ion Ratio Lower Upper

91 100

106 0.0 36.3 54.5#



#60

o-Xylene

Concen: 0.197 ppbv

RT: 13.047 min Scan# 3248

Delta R.T. -0.006 min

Lab File: VL041518.D

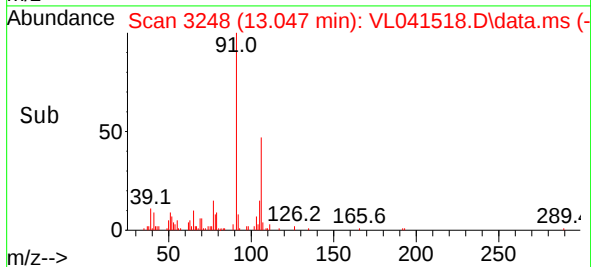
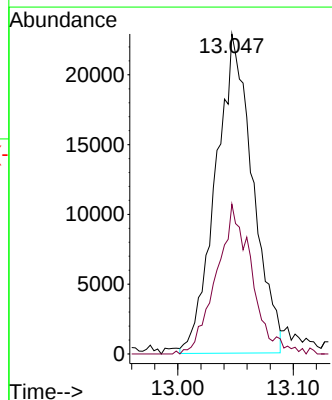
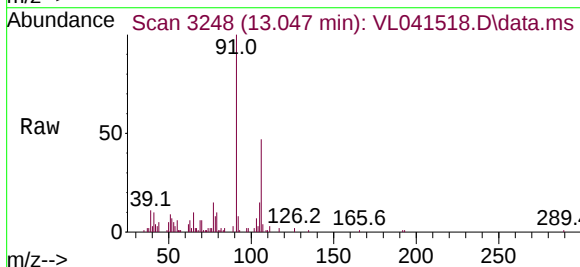
Acq: 8 Aug 2024 18:34

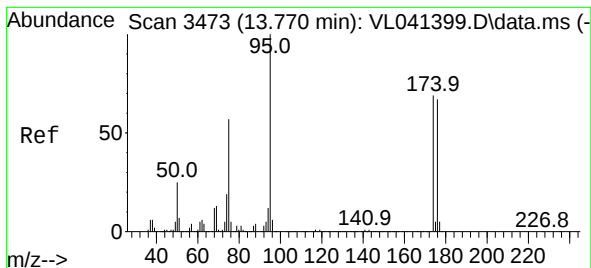
Tgt Ion: 91 Resp: 51159

Ion Ratio Lower Upper

91 100

106 45.0 23.1 69.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.041 ppbv

RT: 13.767 min Scan# 3472

Delta R.T. 0.000 min

Lab File: VL041518.D

Acq: 8 Aug 2024 18:34

Instrument :

MSVOA_L

ClientSampleId :

SV-4DL

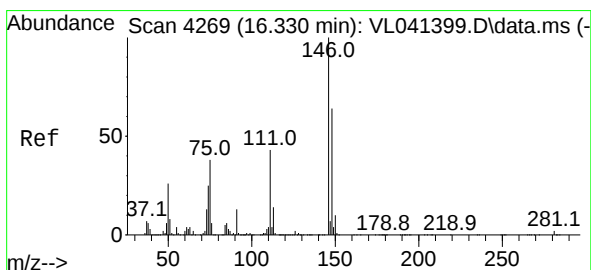
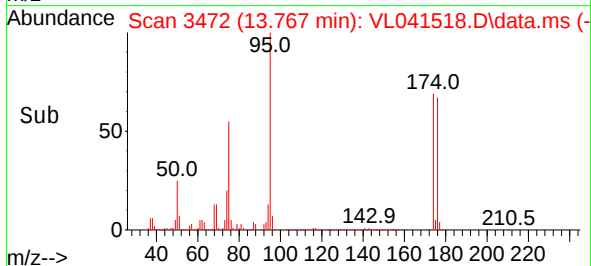
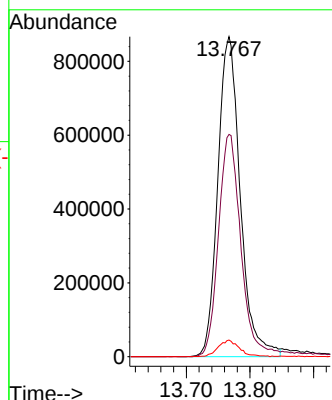
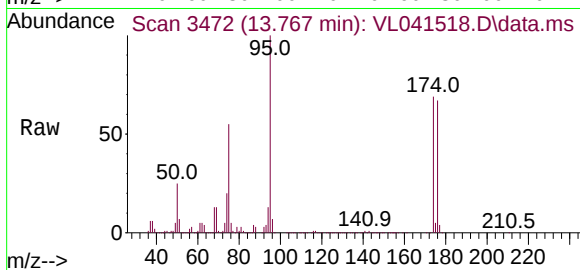
Tgt Ion: 95 Resp: 2127243

Ion Ratio Lower Upper

95 100

174 71.8 56.3 84.5

175 4.9 4.0 6.0



#75

1,3-Dichlorobenzene

Concen: 0.173 ppbv

RT: 16.323 min Scan# 4267

Delta R.T. 0.000 min

Lab File: VL041518.D

Acq: 8 Aug 2024 18:34

Tgt Ion:146 Resp: 33235

Ion Ratio Lower Upper

146 100

111 0.0 22.6 67.8#

148 106.4 32.3 96.8#

