

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041516.D
 Acq On : 8 Aug 2024 17:11
 Operator : SY/MD
 Sample : P3496-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5DL

Quant Time: Aug 09 05:56:54 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)

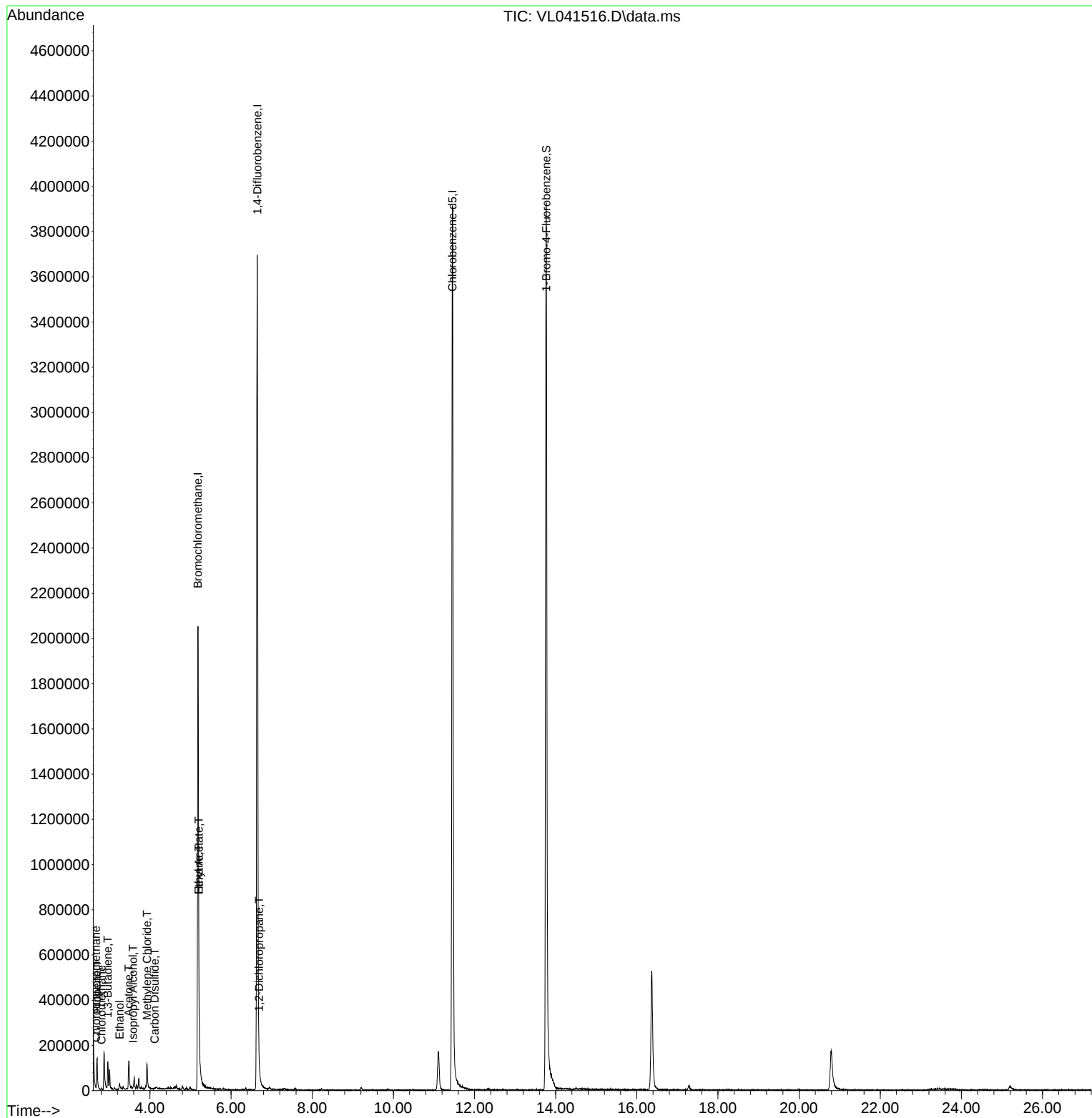
Internal Standards						
1) Bromochloromethane	5.182	49	1084078	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2837636	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2623578	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1985898	9.836	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.671	51	5346	0.041	ppbv #	75
4) Chloromethane	2.809	50	2764	0.040	ppbv #	79
9) Propene	2.693	41	55462	0.936	ppbv	90
13) Ethanol	3.253	45	24834	4.687	ppbv	72
15) Acetone	3.478	43	110481	0.897	ppbv	93
16) 1,3-Butadiene	2.960	39	29992	0.456	ppbv #	20
19) Isopropyl Alcohol	3.584	45	3682	0.051	ppbv #	93
20) Methylene Chloride	3.928	84	33221	0.723	ppbv #	89
25) Ethyl Acetate	5.205	43	11792	0.048	ppbv #	82
26) Hexane	5.205	57	13651	0.134	ppbv #	38
27) Carbon Disulfide	4.115	76	4811	0.041	ppbv #	13
39) 1,2-Dichloropropane	6.690	63	8726	0.110	ppbv #	23

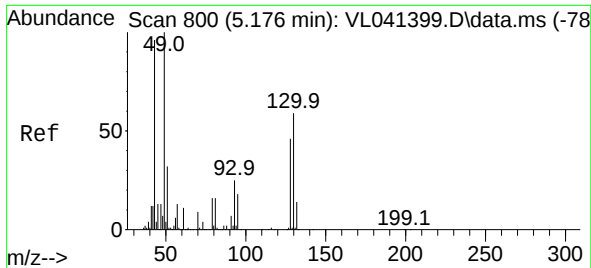
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SV-5DL

Quant Time: Aug 09 05:56:54 2024
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Response via : Initial Calibration

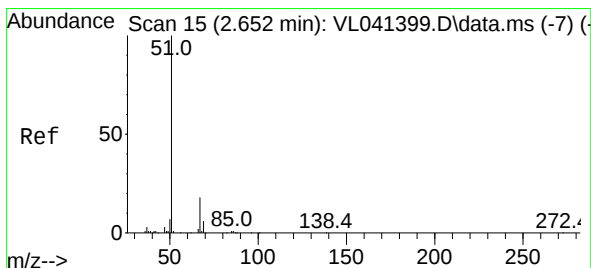
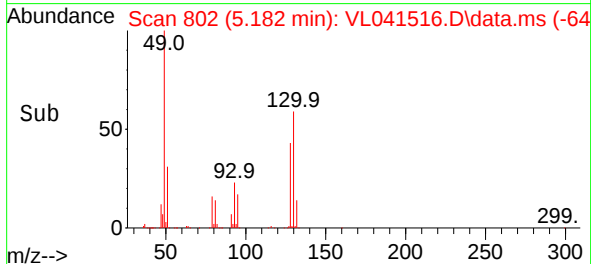
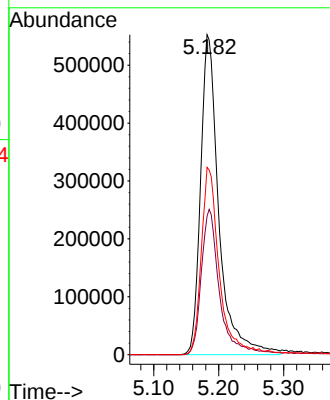
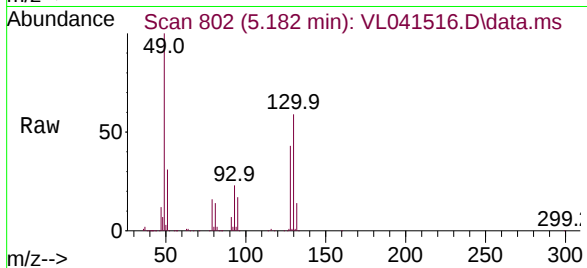




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.182 min Scan# 80
 Delta R.T. -0.007 min
 Lab File: VL041516.D
 Acq: 8 Aug 2024 17:11

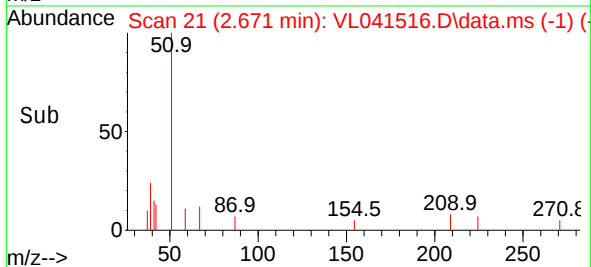
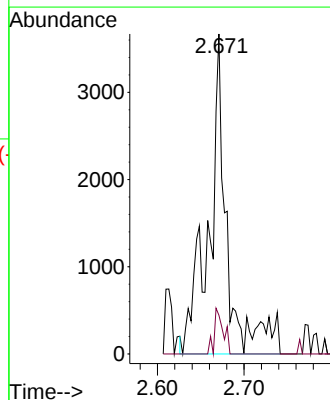
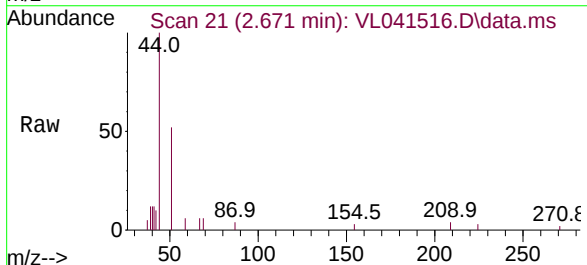
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5DL

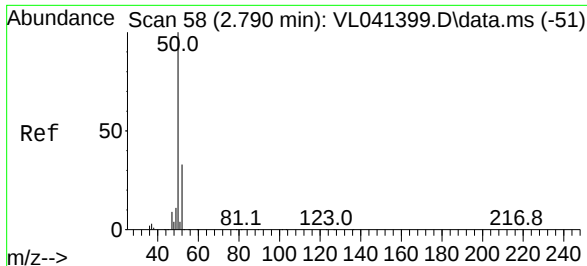
Tgt Ion: 49 Resp: 1084078
 Ion Ratio Lower Upper
 49 100
 128 45.9 23.8 71.4
 130 58.7 30.8 92.4



#3
 Chlorodifluoromethane
 Concen: 0.041 ppbv
 RT: 2.671 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VL041516.D
 Acq: 8 Aug 2024 17:11

Tgt Ion: 51 Resp: 5346
 Ion Ratio Lower Upper
 51 100
 67 7.1 14.5 21.7

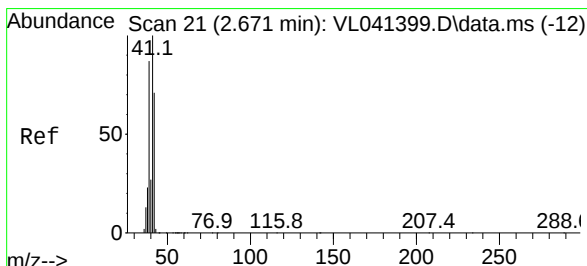
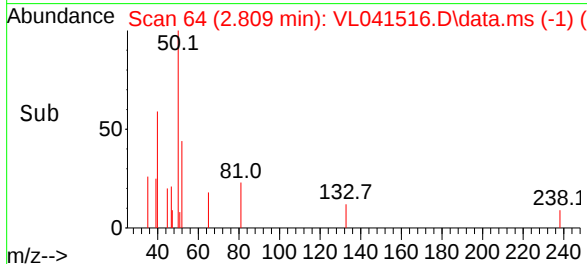
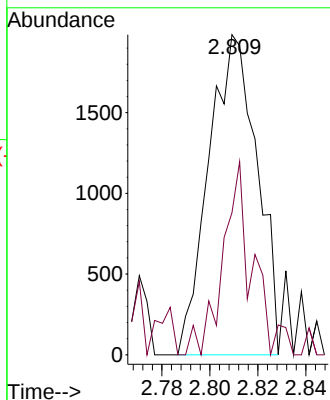
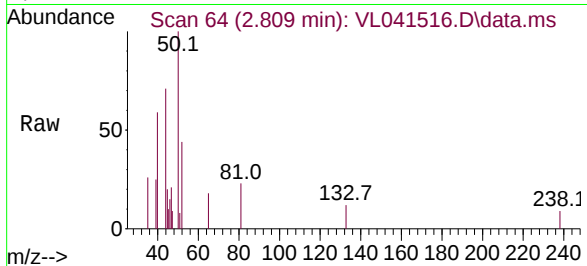




#4
Chloromethane
Concen: 0.040 ppbv
RT: 2.809 min Scan# 64
Delta R.T. -0.006 min
Lab File: VL041516.D
Acq: 8 Aug 2024 17:11

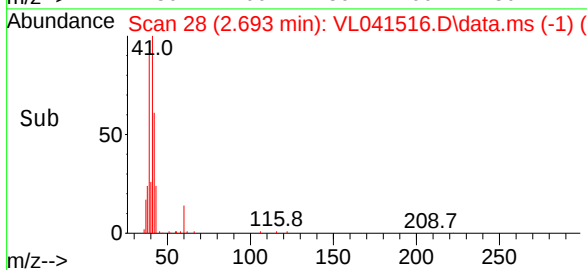
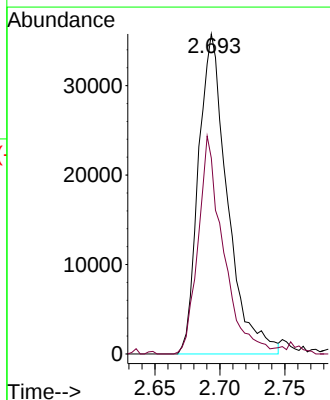
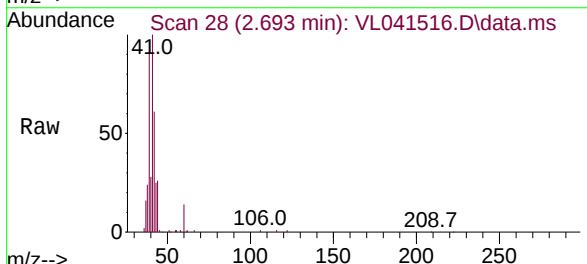
Instrument :
MSVOA_L
ClientSampleId :
SV-5DL

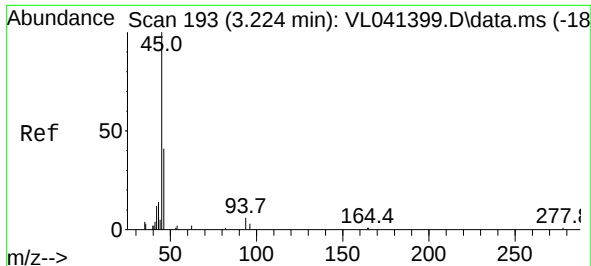
Tgt Ion: 50 Resp: 2764
Ion Ratio Lower Upper
50 100
52 44.4 26.1 39.1#



#9
Propene
Concen: 0.936 ppbv
RT: 2.693 min Scan# 28
Delta R.T. -0.003 min
Lab File: VL041516.D
Acq: 8 Aug 2024 17:11

Tgt Ion: 41 Resp: 55462
Ion Ratio Lower Upper
41 100
42 61.4 55.9 83.9





#13

Ethanol

Concen: 4.687 ppbv

RT: 3.253 min Scan# 20

Delta R.T. 0.010 min

Lab File: VL041516.D

Acq: 8 Aug 2024 17:11

Instrument :

MSVOA_L

ClientSampleId :

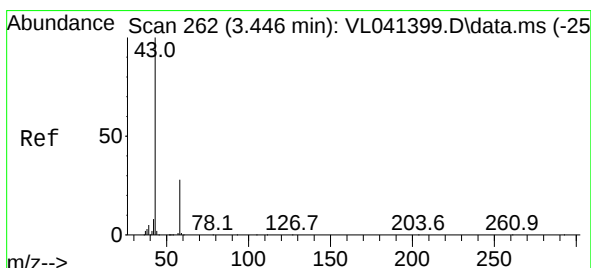
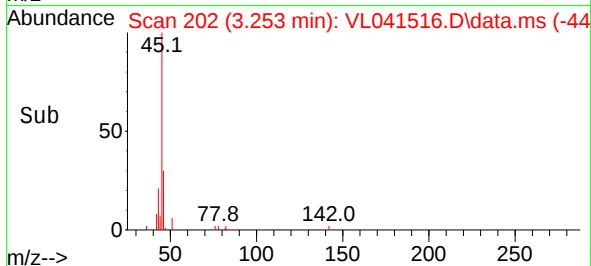
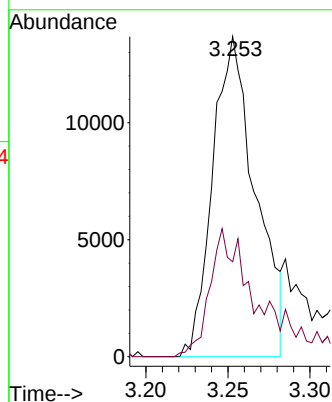
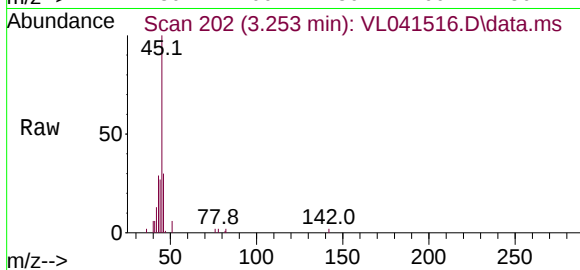
SV-5DL

Tgt Ion: 45 Resp: 24834

Ion Ratio Lower Upper

45 100

46 49.2 13.4 53.4



#15

Acetone

Concen: 0.897 ppbv

RT: 3.478 min Scan# 272

Delta R.T. 0.010 min

Lab File: VL041516.D

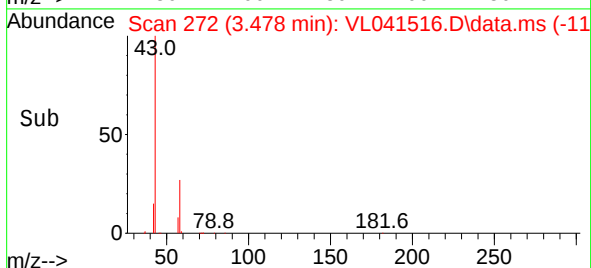
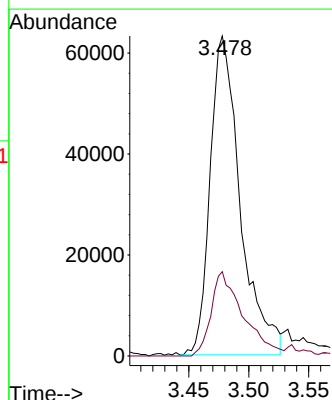
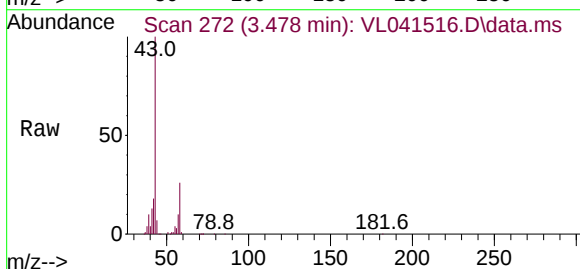
Acq: 8 Aug 2024 17:11

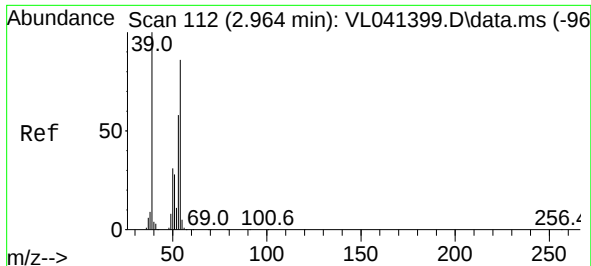
Tgt Ion: 43 Resp: 110481

Ion Ratio Lower Upper

43 100

58 30.2 21.4 32.2

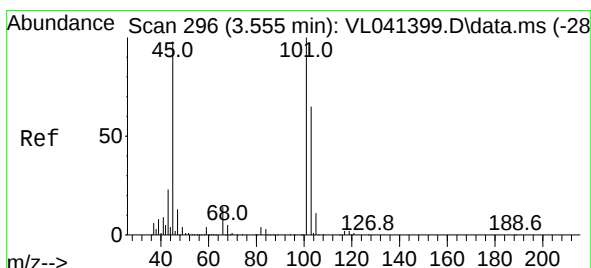
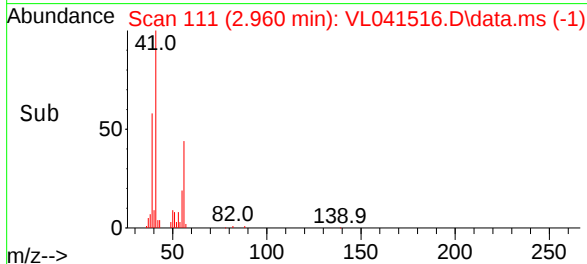
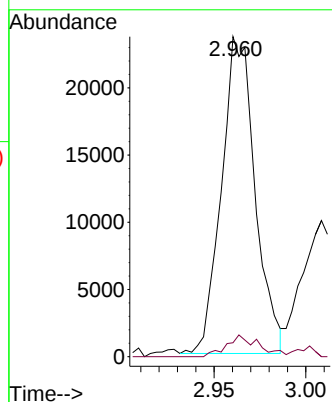
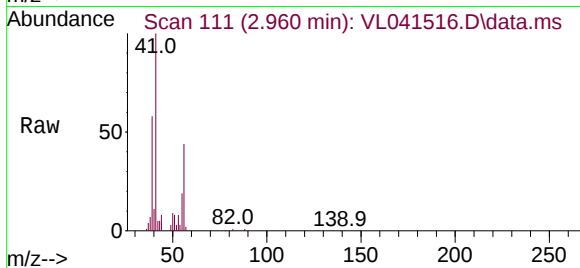




#16
1,3-Butadiene
Concen: 0.456 ppbv
RT: 2.960 min Scan# 112
Delta R.T. -0.026 min
Lab File: VL041516.D
Acq: 8 Aug 2024 17:11

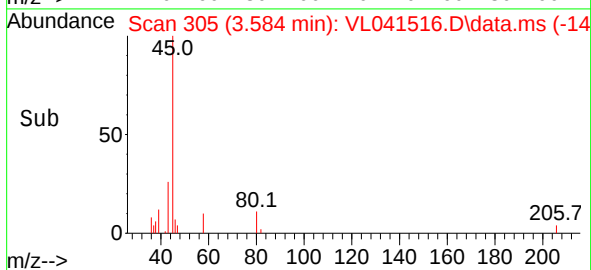
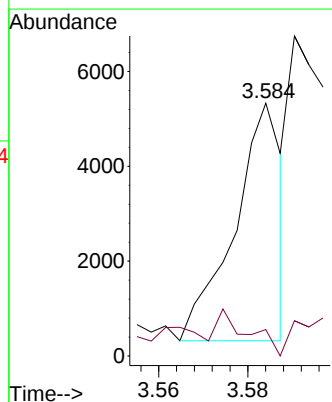
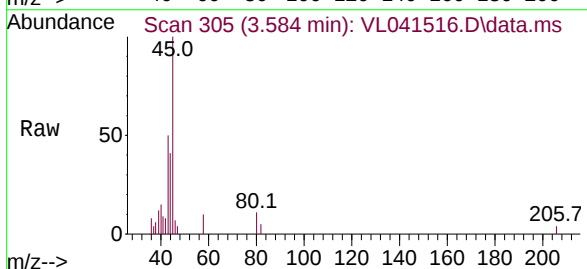
Instrument :
MSVOA_L
ClientSampleId :
SV-5DL

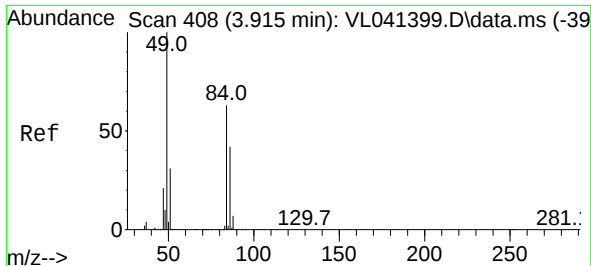
Tgt Ion: 39 Resp: 29992
Ion Ratio Lower Upper
39 100
54 8.5 62.5 93.7#



#19
Isopropyl Alcohol
Concen: 0.051 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.010 min
Lab File: VL041516.D
Acq: 8 Aug 2024 17:11

Tgt Ion: 45 Resp: 3682
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#





#20

Methylene Chloride

Concen: 0.723 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.003 min

Lab File: VL041516.D

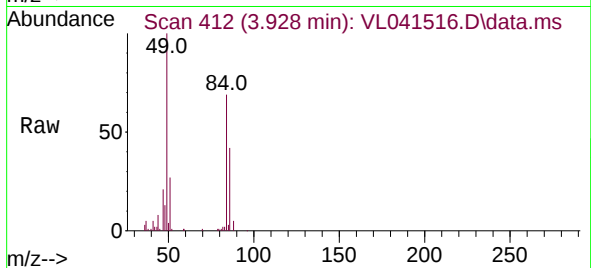
Acq: 8 Aug 2024 17:11

Instrument :

MSVOA_L

ClientSampleId :

SV-5DL



Tgt Ion: 84 Resp: 33221

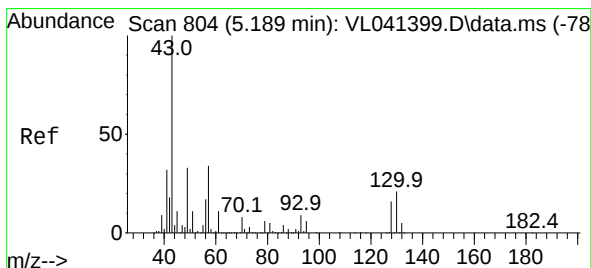
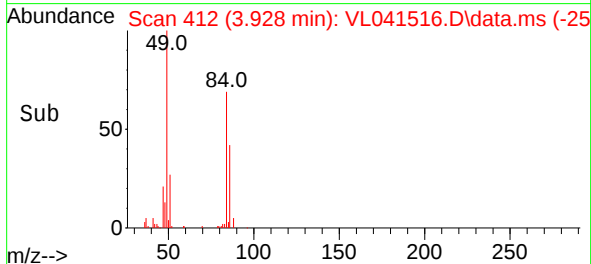
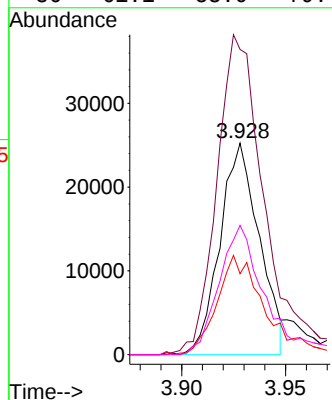
Ion Ratio Lower Upper

84 100

49 142.3 126.6 190.0

51 37.5 38.6 58.0#

86 61.1 53.0 79.4



#25

Ethyl Acetate

Concen: 0.048 ppbv

RT: 5.205 min Scan# 809

Delta R.T. 0.003 min

Lab File: VL041516.D

Acq: 8 Aug 2024 17:11

Tgt Ion: 43 Resp: 11792

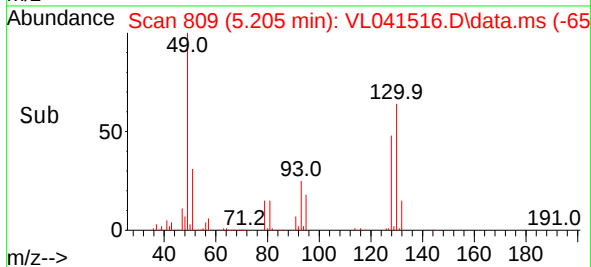
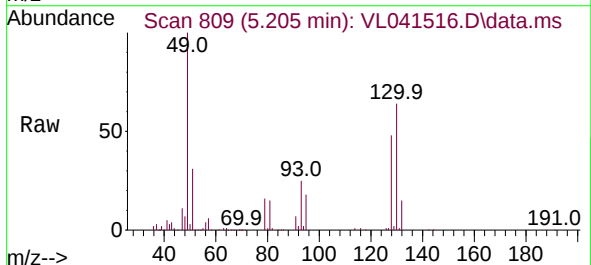
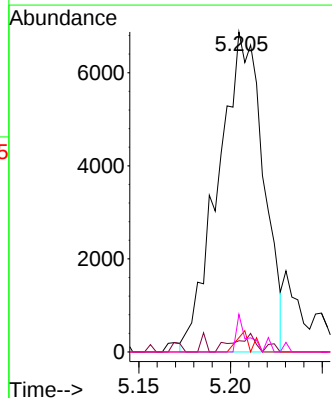
Ion Ratio Lower Upper

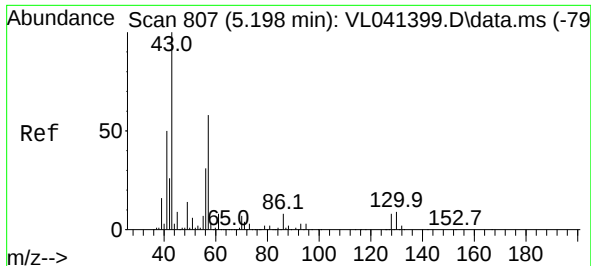
43 100

45 3.2 8.5 12.7#

61 2.0 8.0 12.0#

70 3.2 5.9 8.9#





#26

Hexane

Concen: 0.134 ppbv

RT: 5.205 min Scan# 80

Delta R.T. -0.006 min

Lab File: VL041516.D

Acq: 8 Aug 2024 17:11

Instrument :

MSVOA_L

ClientSampleId :

SV-5DL

Tgt Ion: 57 Resp: 13651

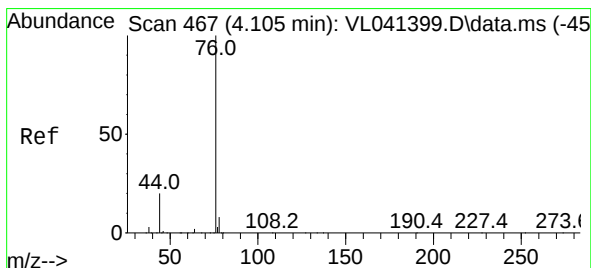
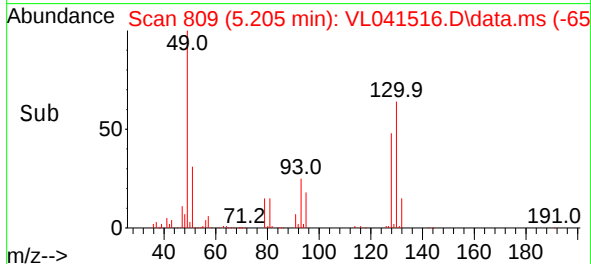
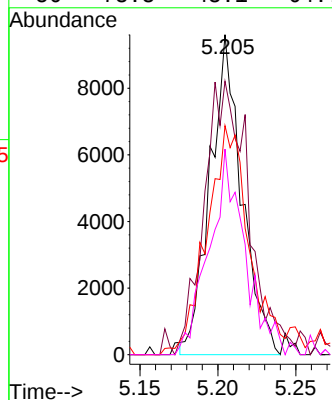
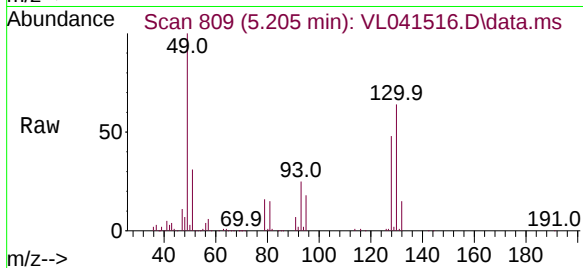
Ion Ratio Lower Upper

57 100

41 121.9 74.0 111.0#

43 101.6 193.6 290.4#

56 73.3 43.1 64.7#



#27

Carbon Disulfide

Concen: 0.041 ppbv

RT: 4.115 min Scan# 470

Delta R.T. -0.010 min

Lab File: VL041516.D

Acq: 8 Aug 2024 17:11

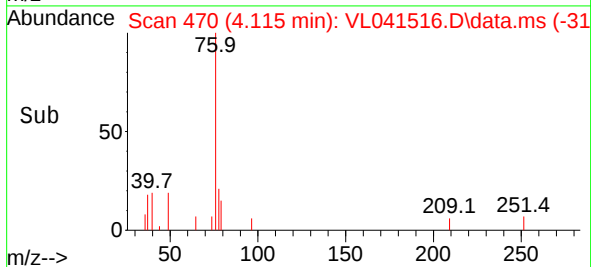
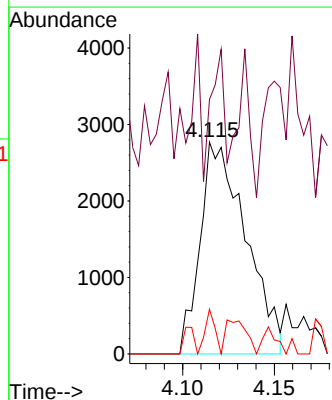
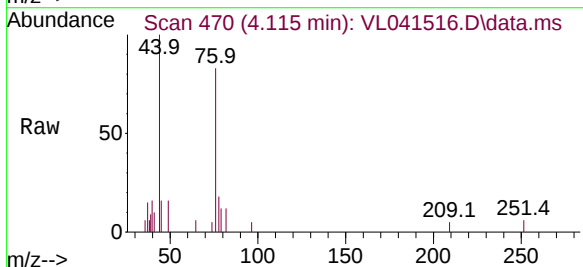
Tgt Ion: 76 Resp: 4811

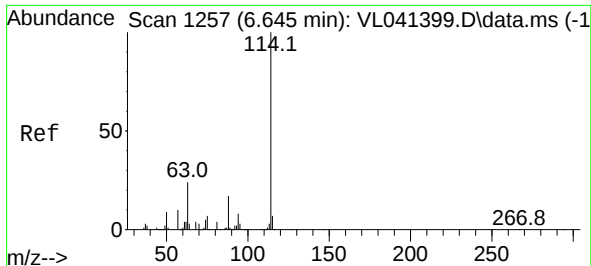
Ion Ratio Lower Upper

76 100

44 77.5 15.6 23.4#

78 7.3 7.7 11.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041516.D

Acq: 8 Aug 2024 17:11

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SV-5DL

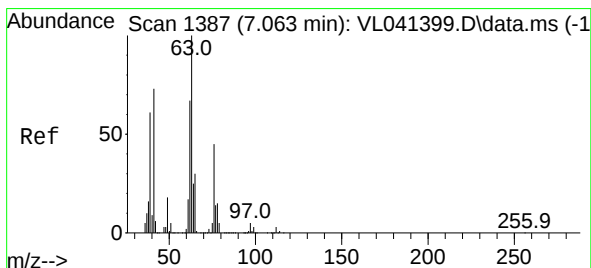
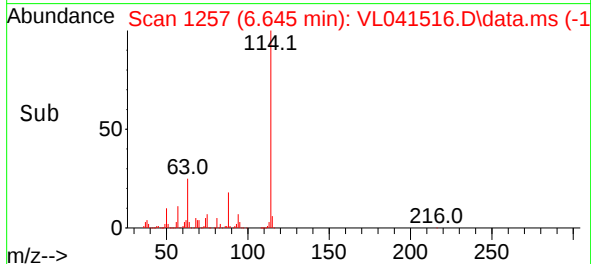
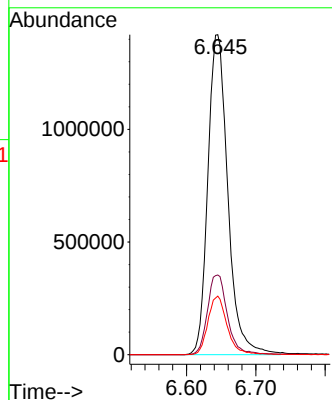
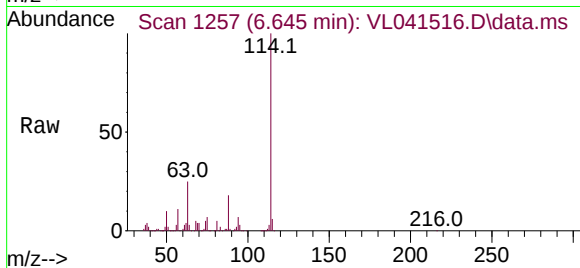
Tgt Ion:114 Resp: 2837636

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 17.8 14.3 21.5



#39

1,2-Dichloropropane

Concen: 0.110 ppbv

RT: 6.690 min Scan# 1271

Delta R.T. -0.379 min

Lab File: VL041516.D

Acq: 8 Aug 2024 17:11

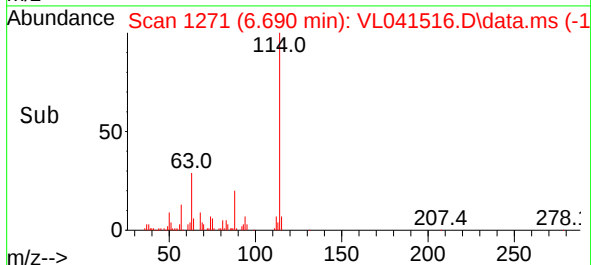
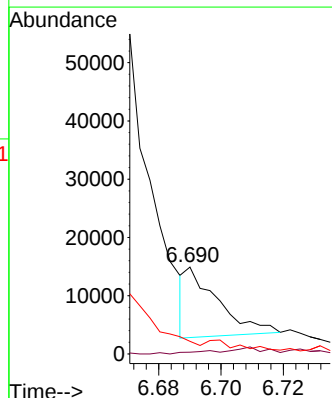
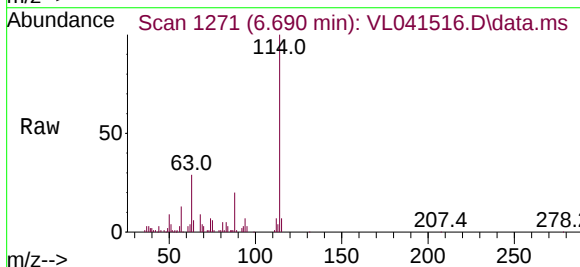
Tgt Ion: 63 Resp: 8726

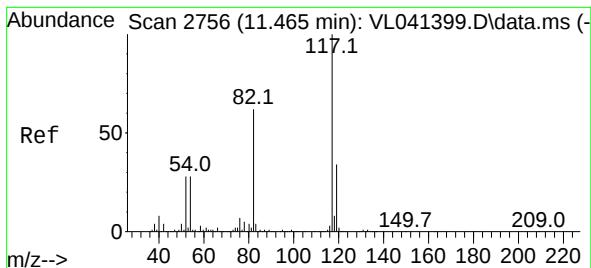
Ion Ratio Lower Upper

63 100

41 0.4 58.3 87.5#

62 13.4 53.9 80.9#

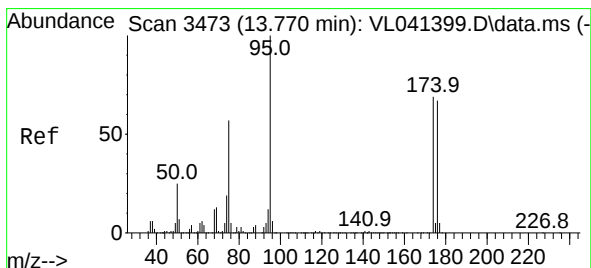
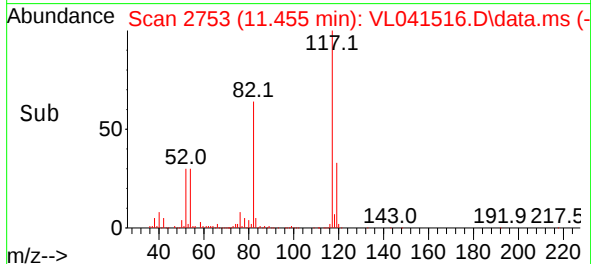
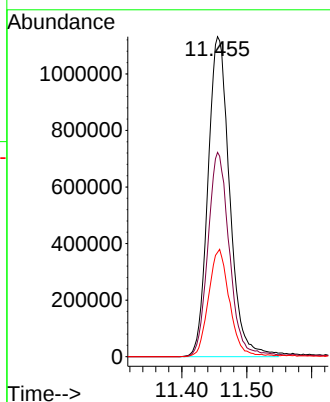
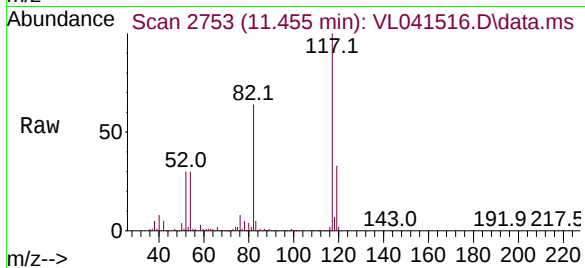




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041516.D
Acq: 8 Aug 2024 17:11

Instrument :
MSVOA_L
ClientSampleId :
SV-5DL

Tgt Ion:117 Resp: 2623578
Ion Ratio Lower Upper
117 100
82 64.0 51.0 76.6
119 33.1 45.2 67.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.836 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.000 min
Lab File: VL041516.D
Acq: 8 Aug 2024 17:11

Tgt Ion: 95 Resp: 1985898
Ion Ratio Lower Upper
95 100
174 70.7 56.3 84.5
175 5.0 4.0 6.0

