

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041517.D
 Acq On : 8 Aug 2024 17:52
 Operator : SY/MD
 Sample : P3496-05 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

Quant Time: Aug 09 05:57:17 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	5.198	49	1183427	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3047645	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2938595	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2304594	10.191	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	18917	0.093	ppbv	94
3) Chlorodifluoromethane	2.674	51	29468	0.209	ppbv #	88
4) Chloromethane	2.812	50	77764	1.038	ppbv	99
7) Chloroethane	3.192	64	5422	0.213	ppbv	93
9) Propene	2.690	41	4703066	72.670	ppbv	99
10) Heptane	7.574	43	1130586	7.775	ppbv	100
11) Trichlorofluoromethane	3.562	101	34172	0.189	ppbv	94
13) Ethanol	3.246	45	4071797	703.936	ppbv	96
15) Acetone	3.465	43	21755071	161.794	ppbv #	41
16) 1,3-Butadiene	3.005	39	361596	5.033	ppbv #	10
17) tert-Butyl alcohol	3.890	59	850544	6.936	ppbv	100
19) Isopropyl Alcohol	3.584	45	756077	9.618	ppbv #	93
20) Methylene Chloride	3.938	84	946739	18.881	ppbv	99
21) Allyl Chloride	3.941	41	70901	0.804	ppbv #	19
23) Vinyl Acetate	4.619	43	491263	4.784	ppbv #	88
25) Ethyl Acetate	5.205	43	657660	2.462	ppbv #	78
26) Hexane	5.208	57	821302	7.412	ppbv #	8
27) Carbon Disulfide	4.121	76	692618	5.343	ppbv	98
28) Methyl tert-Butyl Ether	4.719	73	24390	0.349	ppbv #	1
29) Chloroform	5.282	83	40419	0.224	ppbv	87
30) Cyclohexane	6.600	84	28591	0.317	ppbv #	63
34) 2-Butanone	4.799	43	28248396	191.612	ppbv #	49
36) Benzene	6.369	78	82138	0.369	ppbv #	89
39) 1,2-Dichloropropane	7.269	63	18055	0.212	ppbv #	1
41) Tetrahydrofuran	5.555	42	3891	0.046	ppbv #	12
42) Bromodichloromethane	7.272	83	83434	0.464	ppbv #	25
43) Methyl Methacrylate	7.516	69	22877	0.286	ppbv #	2
44) 2,2,4-Trimethylpentane	7.320	57	82769	0.223	ppbv #	42
50) 4-Methyl-2-Pentanone	8.176	43	163169	0.702	ppbv	96
51) 2-Hexanone	9.542	43	1024435	5.825	ppbv #	97
53) Toluene	9.221	91	403511	1.627	ppbv	98
57) Chlorobenzene	11.523	112	45806	0.219	ppbv #	52
58) Ethyl Benzene	12.082	91	1224215	3.614	ppbv	96
59) m/p-Xylene	12.333	91	2516701	8.607	ppbv	95
60) o-Xylene	13.053	91	843830	3.051	ppbv	98
61) Styrene	12.889	104	6026	0.048	ppbv #	28
62) Isopropylbenzene	14.018	105	17198	0.041	ppbv #	80
64) n-propylbenzene	14.899	120	4120	0.037	ppbv #	1
65) tert-Butylbenzene	16.095	119	18458	0.049	ppbv #	29
66) Benzyl Chloride	16.323	91	2047	0.084	ppbv #	1
69) p-Isopropyltoluene	16.989	119	376548	0.867	ppbv	98
72) 4-Ethyltoluene	15.191	105	48155	0.148	ppbv #	92
73) 1,3,5-Trimethylbenzene	15.346	105	14470	0.052	ppbv #	77

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-4

Quant Time: Aug 09 05:57:17 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

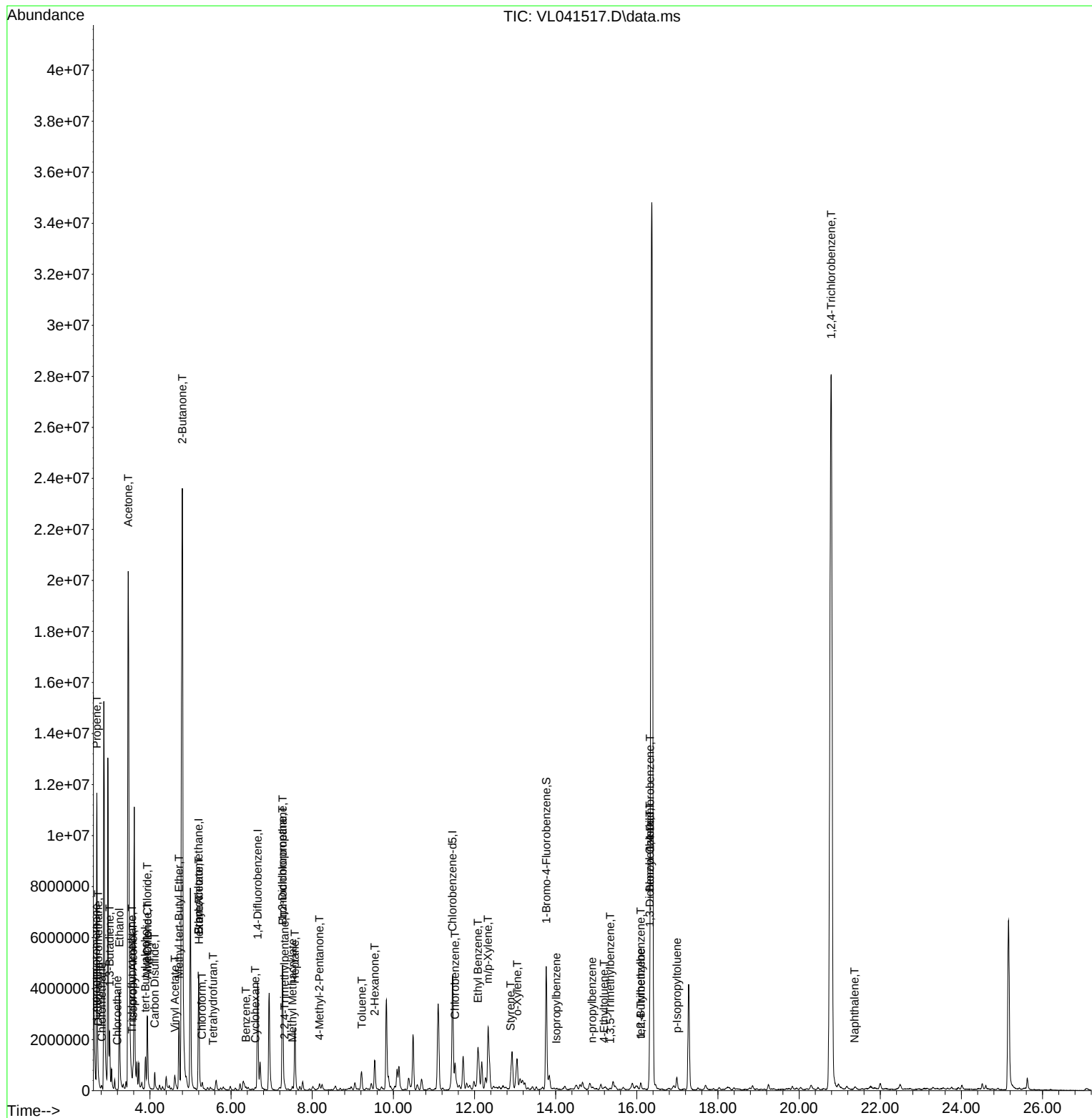
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.095	105	189559	0.581	ppbv #	73
75) 1,3-Dichlorobenzene	16.320	146	340279	1.660	ppbv #	23
76) 1,4-Dichlorobenzene	16.326	146	269959	1.360	ppbv #	1
79) Naphthalene	21.365	128	10234	0.036	ppbv	95
81) 1,2,4-Trichlorobenzene	20.792	180	206796	1.207	ppbv #	19

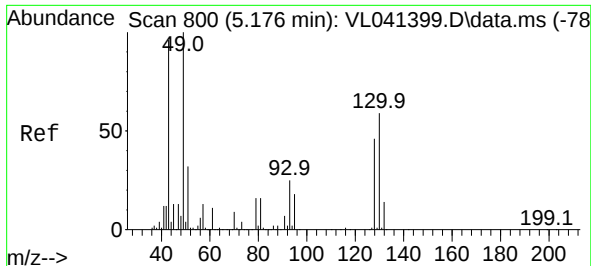
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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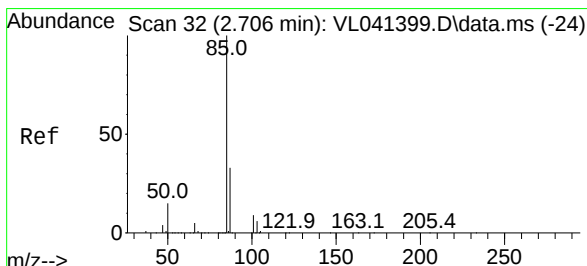
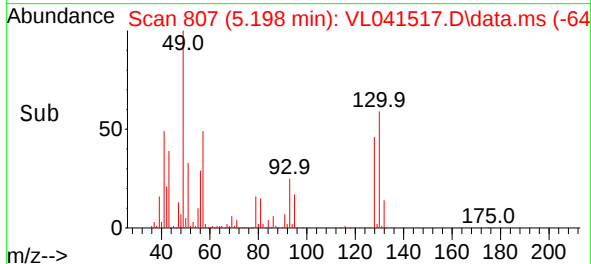
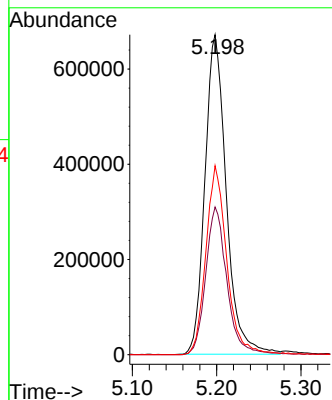
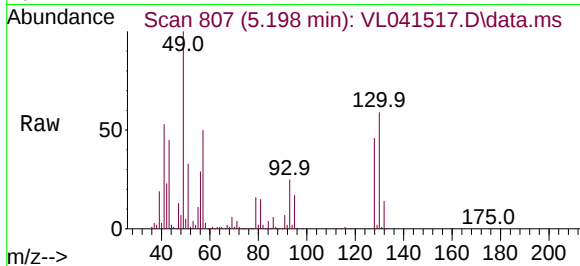




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL041517.D
Acq: 8 Aug 2024 17:52

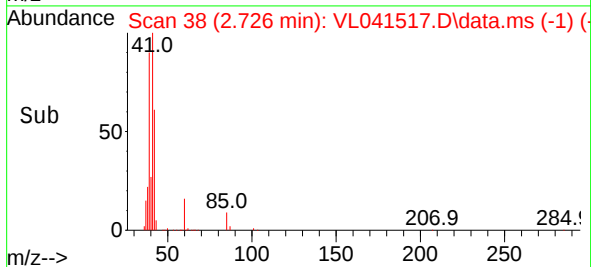
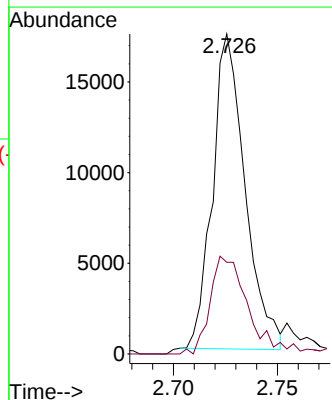
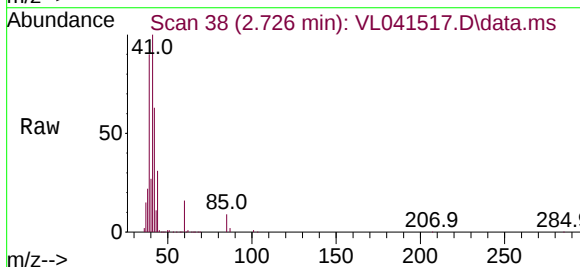
Instrument :
MSVOA_L
ClientSampleId :
SV-4

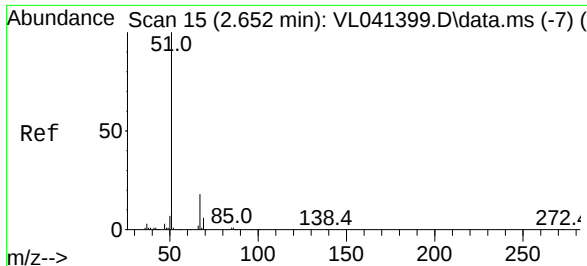
Tgt Ion: 49 Resp: 1183427
Ion Ratio Lower Upper
49 100
128 46.4 23.8 71.4
130 58.5 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.093 ppbv
RT: 2.726 min Scan# 38
Delta R.T. -0.006 min
Lab File: VL041517.D
Acq: 8 Aug 2024 17:52

Tgt Ion: 85 Resp: 18917
Ion Ratio Lower Upper
85 100
87 29.2 26.0 39.0

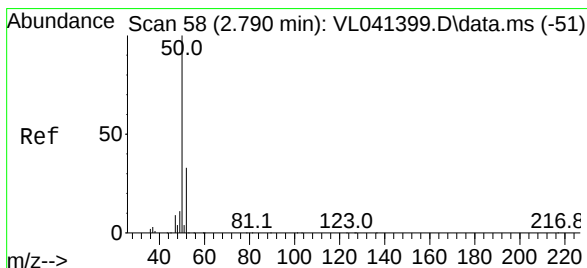
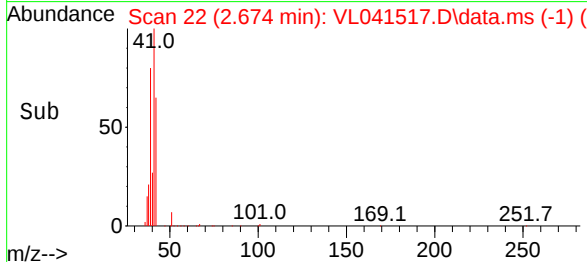
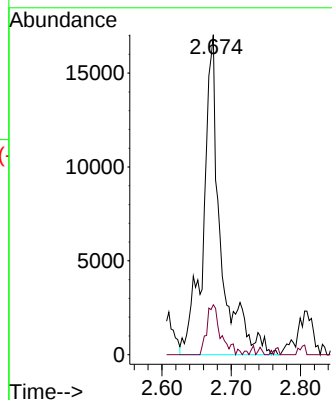
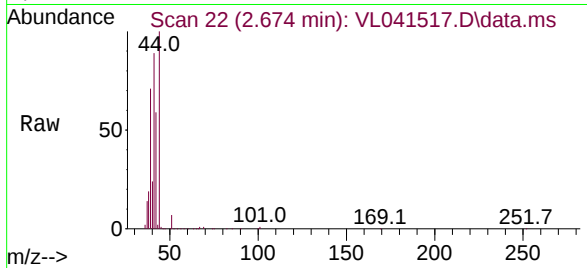




#3
Chlorodifluoromethane
Concen: 0.209 ppbv
RT: 2.674 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041517.D
Acq: 8 Aug 2024 17:52

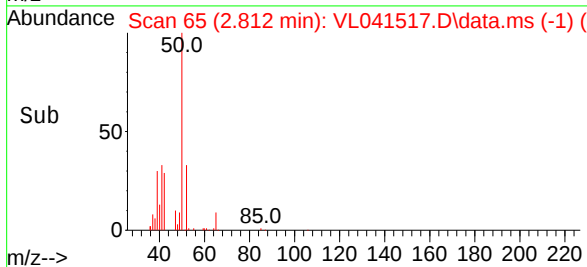
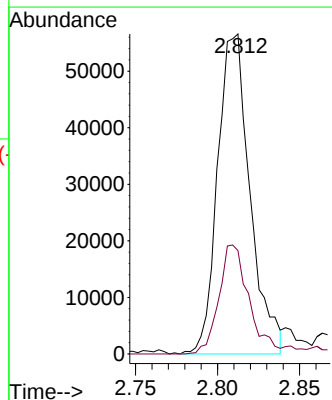
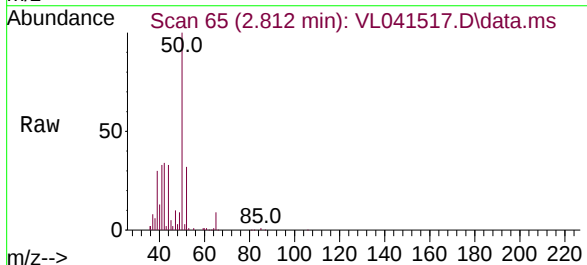
Instrument :
MSVOA_L
ClientSampleId :
SV-4

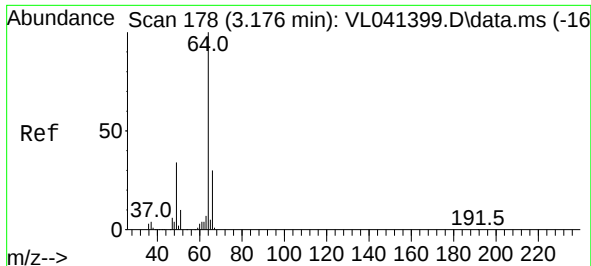
Tgt Ion: 51 Resp: 29468
Ion Ratio Lower Upper
51 100
67 12.8 14.5 21.7#



#4
Chloromethane
Concen: 1.038 ppbv
RT: 2.812 min Scan# 65
Delta R.T. -0.003 min
Lab File: VL041517.D
Acq: 8 Aug 2024 17:52

Tgt Ion: 50 Resp: 77764
Ion Ratio Lower Upper
50 100
52 32.3 26.1 39.1

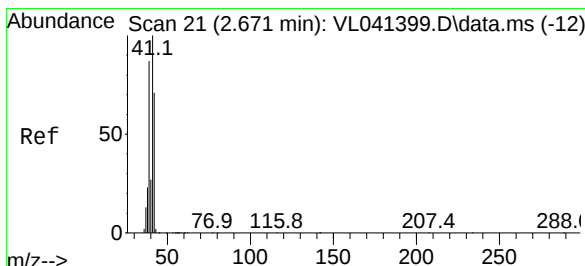
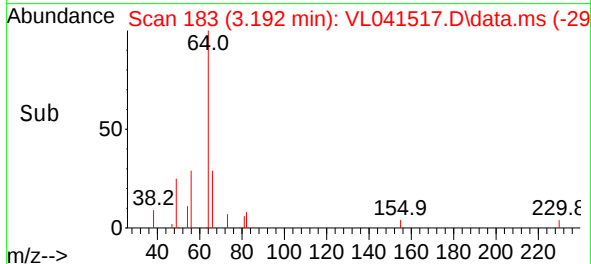
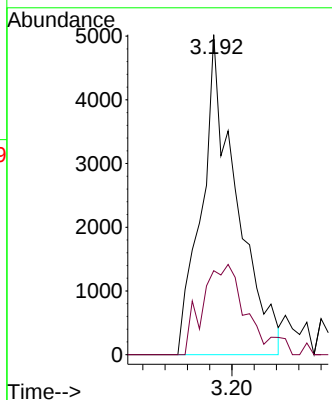
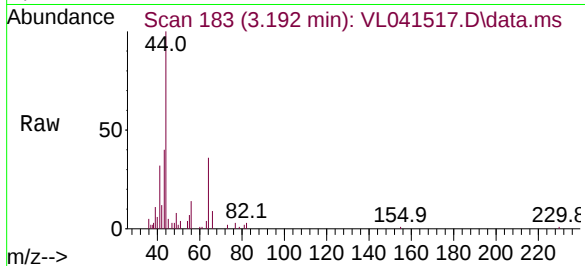




#7
Chloroethane
Concen: 0.213 ppbv
RT: 3.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL041517.D
Acq: 8 Aug 2024 17:52

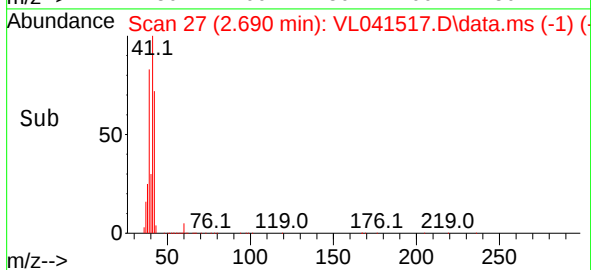
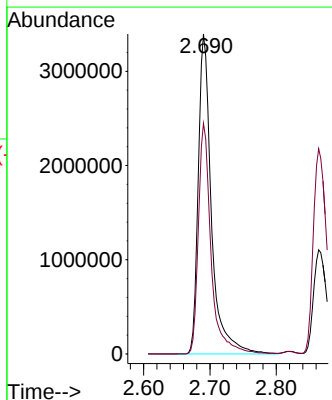
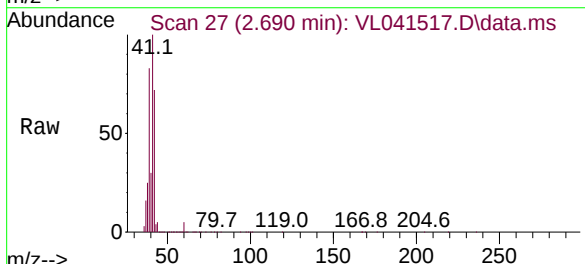
Instrument :
MSVOA_L
ClientSampleId :
SV-4

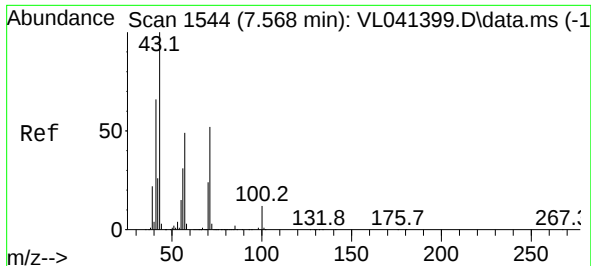
Tgt Ion: 64 Resp: 5422
Ion Ratio Lower Upper
64 100
66 26.3 24.2 36.2



#9
Propene
Concen: 72.670 ppbv
RT: 2.690 min Scan# 27
Delta R.T. -0.006 min
Lab File: VL041517.D
Acq: 8 Aug 2024 17:52

Tgt Ion: 41 Resp: 4703066
Ion Ratio Lower Upper
41 100
42 69.3 55.9 83.9





#10

Heptane

Concen: 7.775 ppbv

RT: 7.574 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

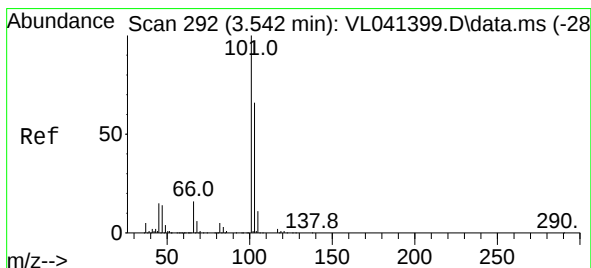
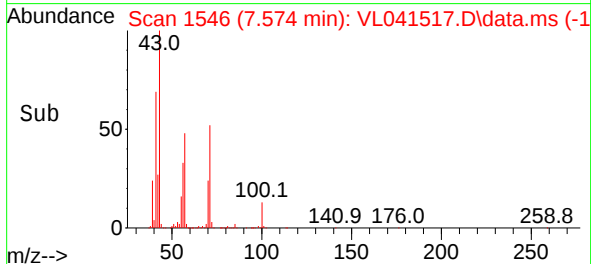
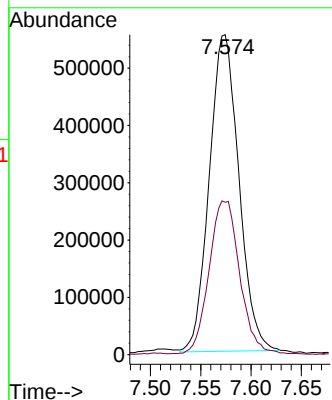
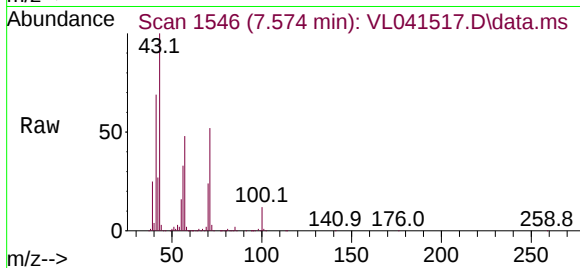
SV-4

Tgt Ion: 43 Resp: 1130586

Ion Ratio Lower Upper

43 100

57 50.7 40.5 60.7



#11

Trichlorofluoromethane

Concen: 0.189 ppbv

RT: 3.562 min Scan# 298

Delta R.T. 0.000 min

Lab File: VL041517.D

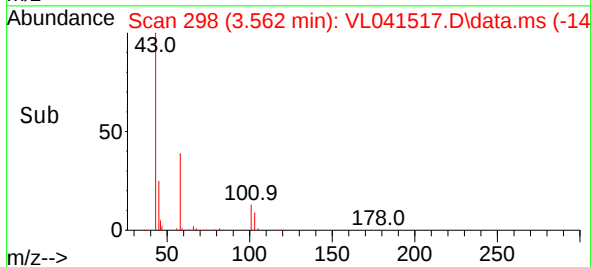
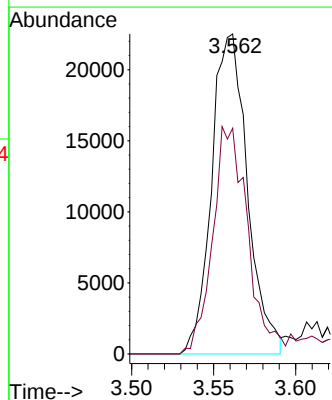
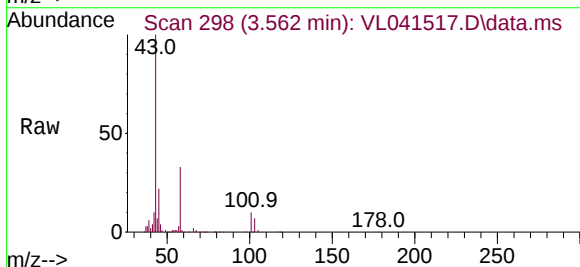
Acq: 8 Aug 2024 17:52

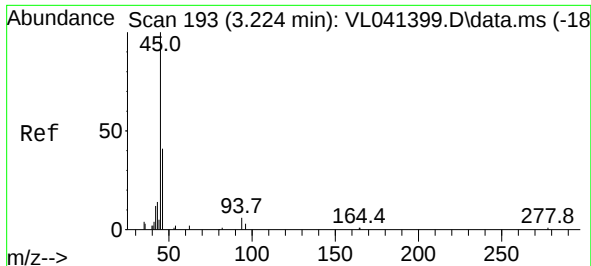
Tgt Ion:101 Resp: 34172

Ion Ratio Lower Upper

101 100

103 70.6 52.6 79.0





#13

Ethanol

Concen: 703.936 ppbv

RT: 3.246 min Scan# 20

Delta R.T. 0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

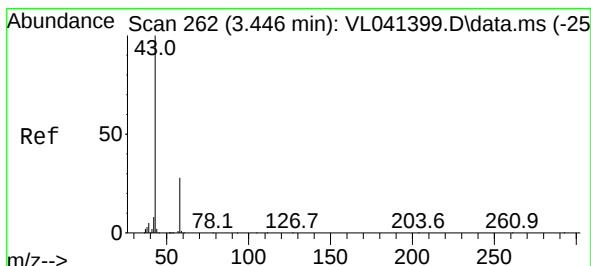
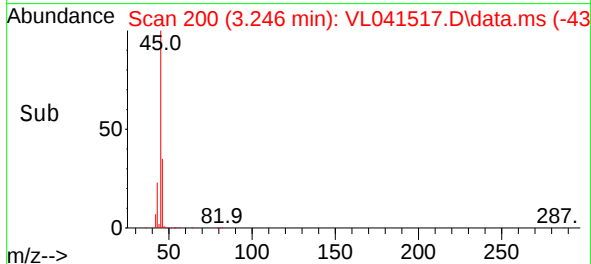
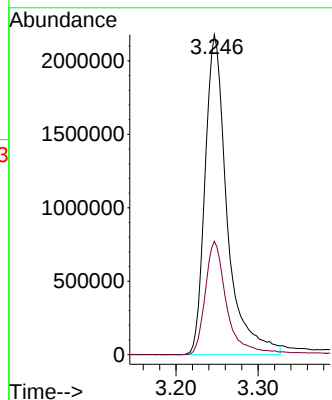
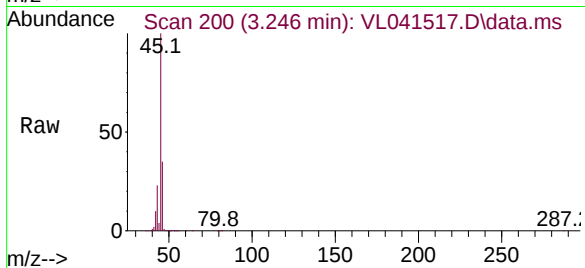
SV-4

Tgt Ion: 45 Resp: 4071797

Ion Ratio Lower Upper

45 100

46 35.7 13.4 53.4



#15

Acetone

Concen: 161.794 ppbv

RT: 3.465 min Scan# 268

Delta R.T. -0.003 min

Lab File: VL041517.D

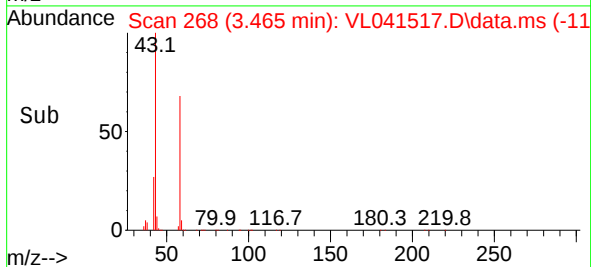
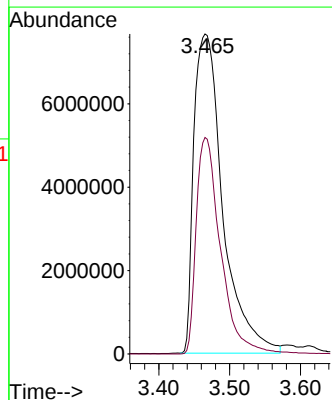
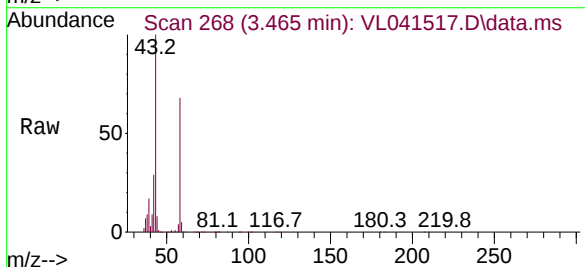
Acq: 8 Aug 2024 17:52

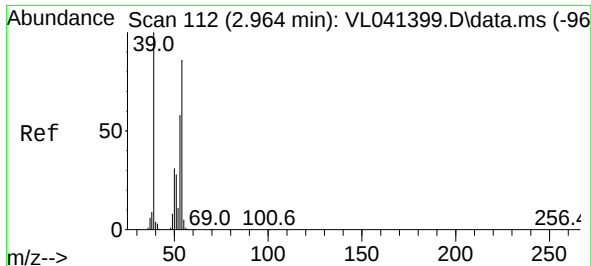
Tgt Ion: 43 Resp: 21755071

Ion Ratio Lower Upper

43 100

58 57.3 21.4 32.2#





#16

1,3-Butadiene

Concen: 5.033 ppbv

RT: 3.005 min Scan# 11

Delta R.T. 0.019 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

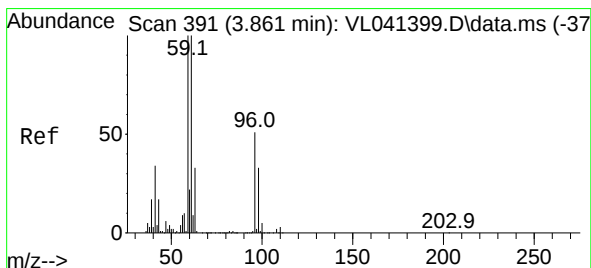
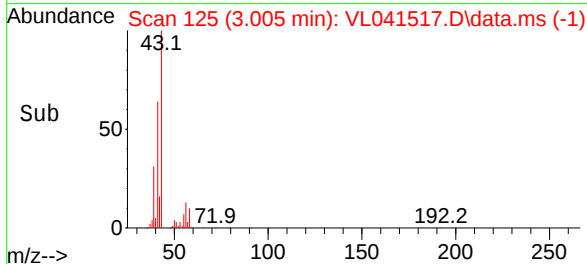
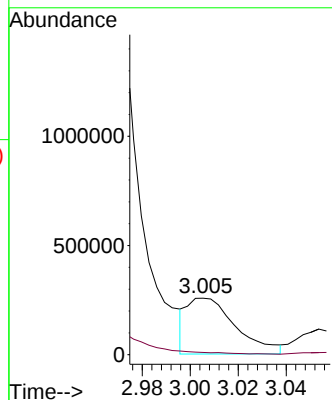
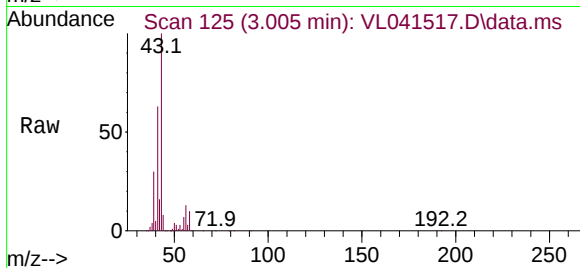
SV-4

Tgt Ion: 39 Resp: 361596

Ion Ratio Lower Upper

39 100

54 0.0 62.5 93.7#



#17

tert-Butyl alcohol

Concen: 6.936 ppbv

RT: 3.890 min Scan# 400

Delta R.T. 0.013 min

Lab File: VL041517.D

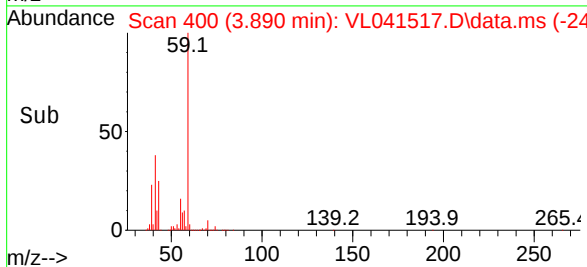
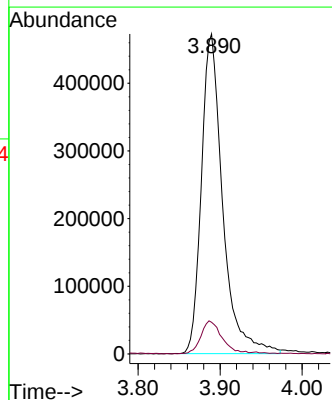
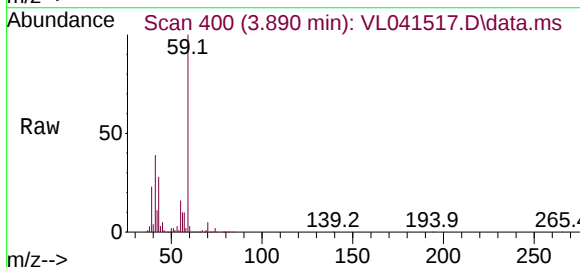
Acq: 8 Aug 2024 17:52

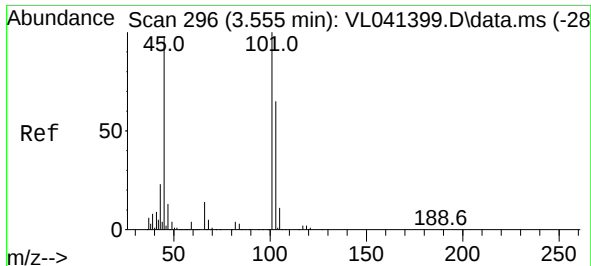
Tgt Ion: 59 Resp: 850544

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8





#19

Isopropyl Alcohol

Concen: 9.618 ppbv

RT: 3.584 min Scan# 305

Delta R.T. 0.010 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

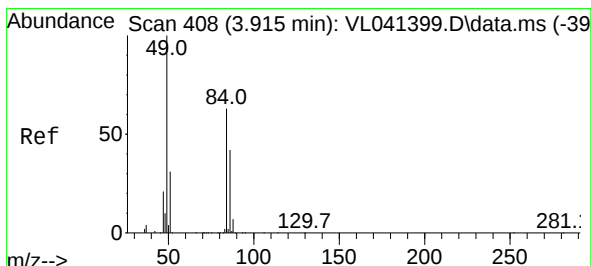
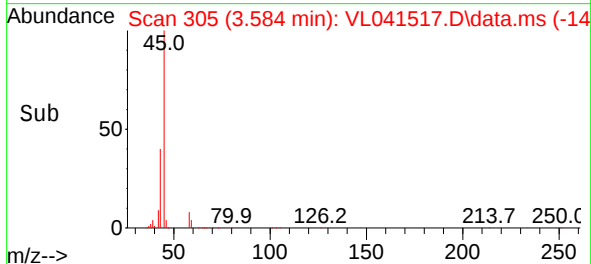
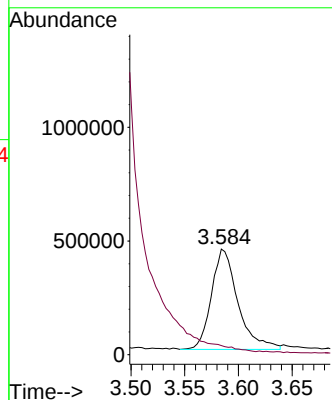
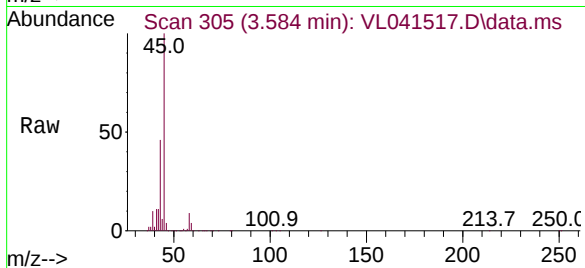
SV-4

Tgt Ion: 45 Resp: 756077

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#



#20

Methylene Chloride

Concen: 18.881 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.006 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Tgt Ion: 84 Resp: 946739

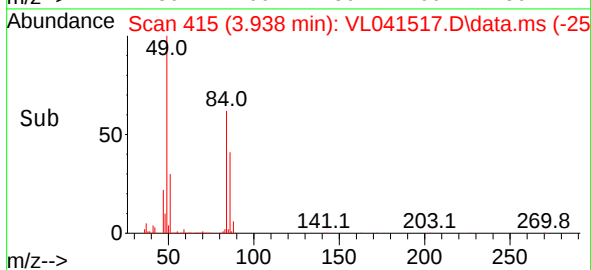
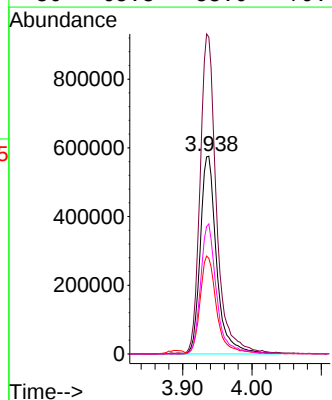
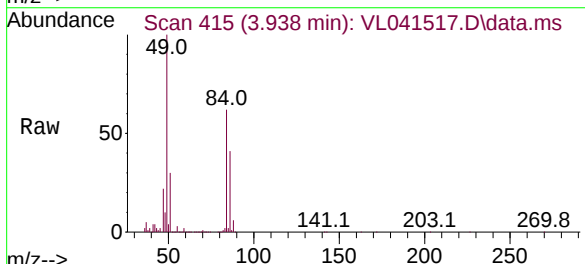
Ion Ratio Lower Upper

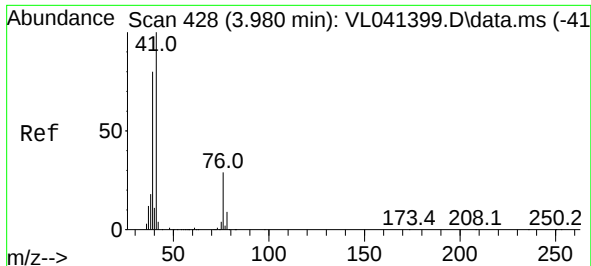
84 100

49 159.7 126.6 190.0

51 48.3 38.6 58.0

86 65.8 53.0 79.4





#21

Allyl Chloride

Concen: 0.804 ppbv

RT: 3.941 min Scan# 41

Delta R.T. -0.055 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-4

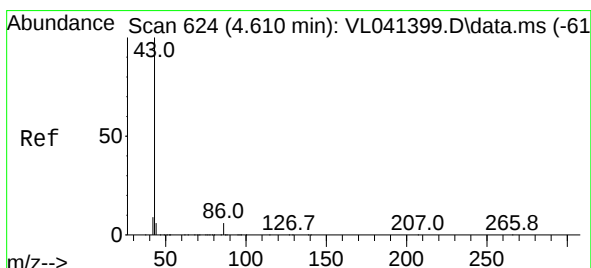
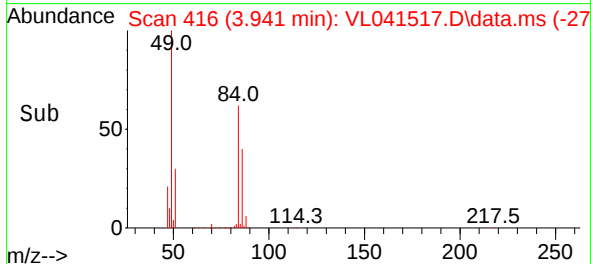
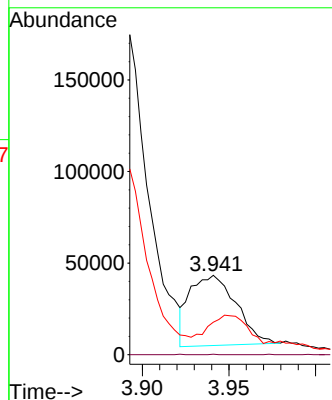
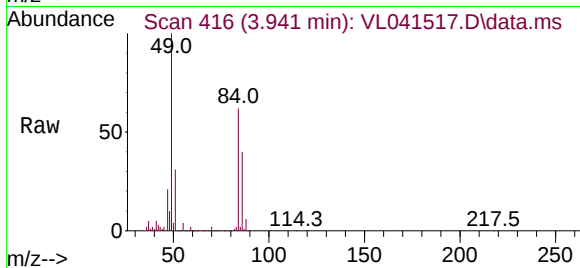
Tgt Ion: 41 Resp: 70901

Ion Ratio Lower Upper

41 100

76 0.0 23.7 35.5#

39 0.0 64.3 96.5#



#23

Vinyl Acetate

Concen: 4.784 ppbv

RT: 4.619 min Scan# 627

Delta R.T. -0.006 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Tgt Ion: 43 Resp: 491263

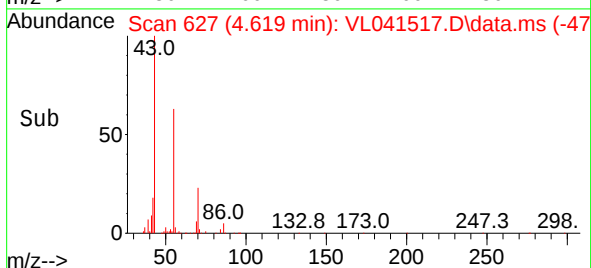
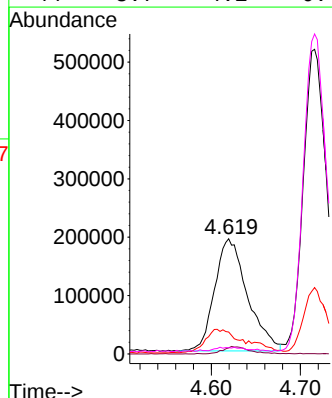
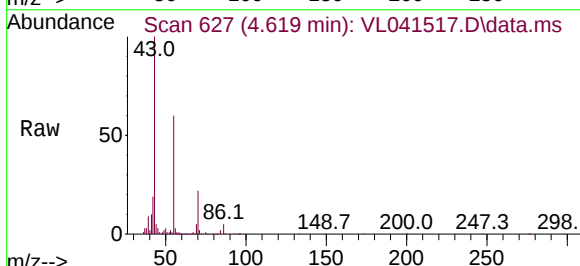
Ion Ratio Lower Upper

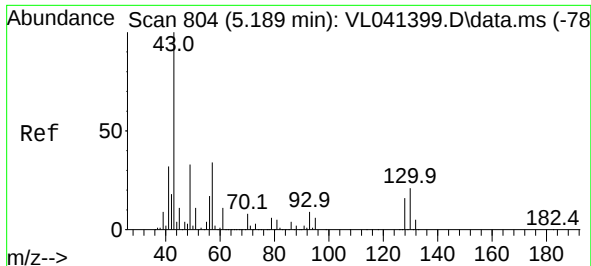
43 100

86 5.4 4.6 6.8

42 18.4 7.9 11.9#

44 3.7 4.2 6.4#





#25

Ethyl Acetate

Concen: 2.462 ppbv

RT: 5.205 min Scan# 80

Delta R.T. 0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-4

Tgt Ion: 43 Resp: 657660

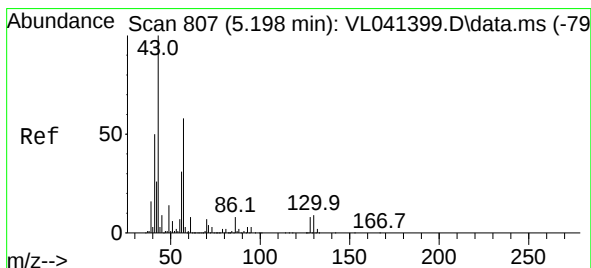
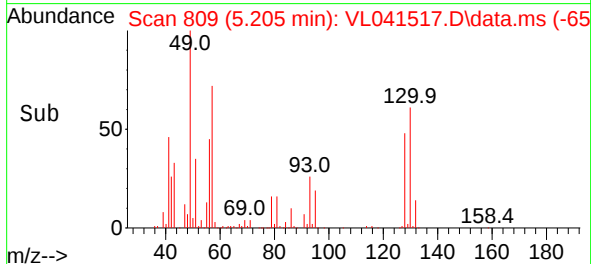
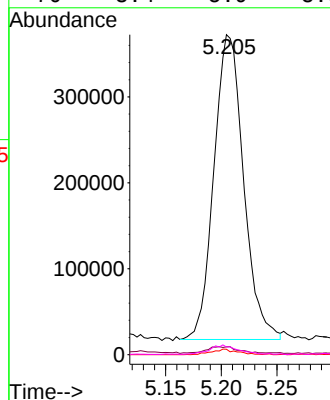
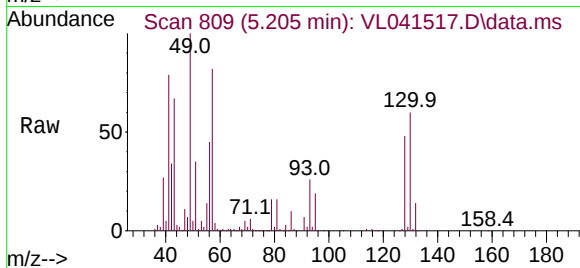
Ion Ratio Lower Upper

43 100

45 0.0 8.5 12.7#

61 1.6 8.0 12.0#

70 3.4 5.9 8.9#



#26

Hexane

Concen: 7.412 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Tgt Ion: 57 Resp: 821302

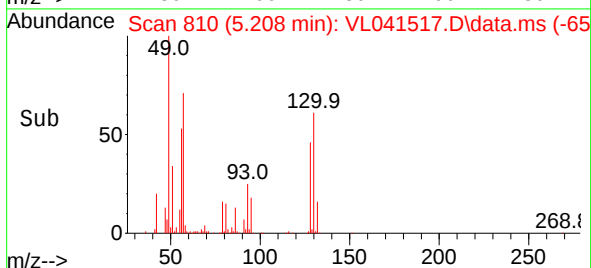
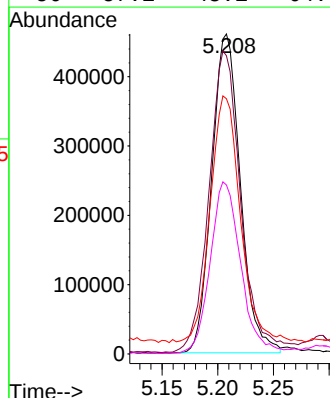
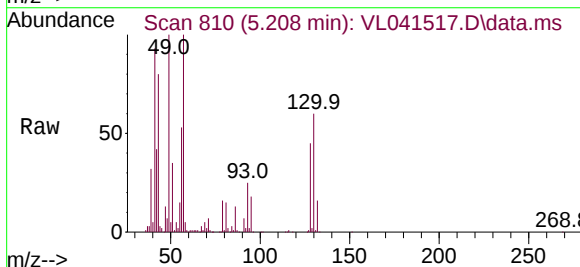
Ion Ratio Lower Upper

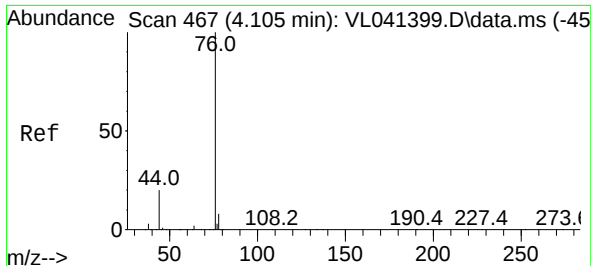
57 100

41 104.7 74.0 111.0

43 0.0 193.6 290.4#

56 57.1 43.1 64.7

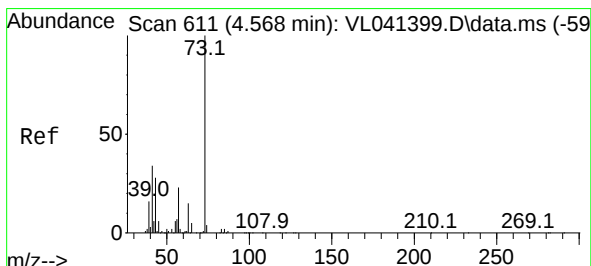
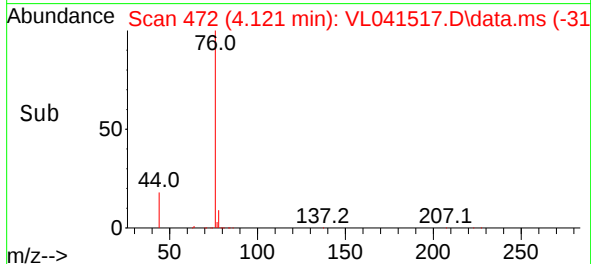
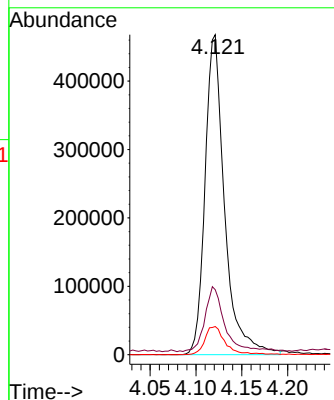
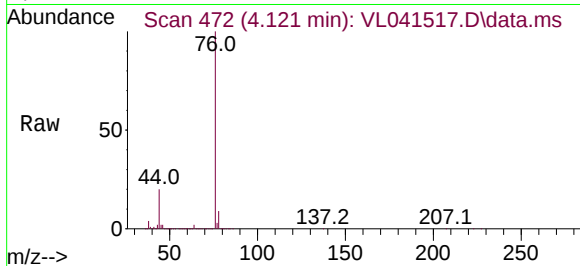




#27
Carbon Disulfide
Concen: 5.343 ppbv
RT: 4.121 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041517.D
Acq: 8 Aug 2024 17:52

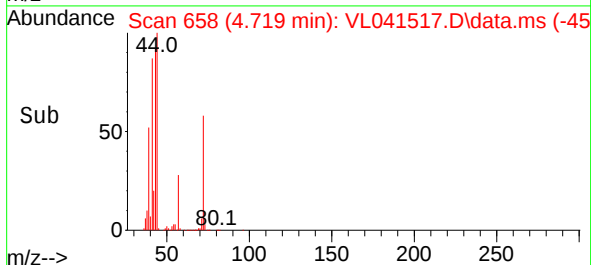
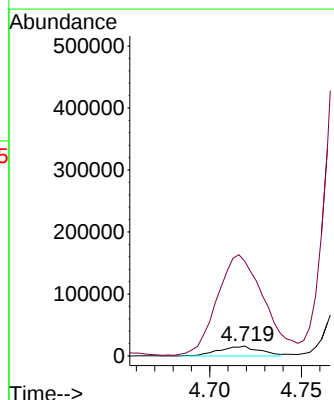
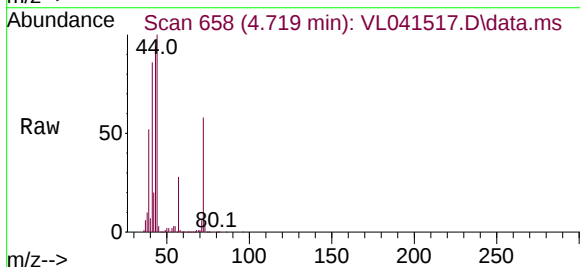
Instrument :
MSVOA_L
ClientSampleId :
SV-4

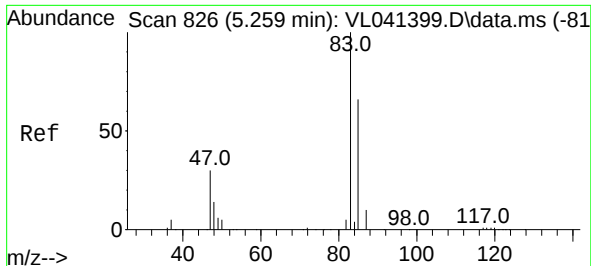
Tgt Ion: 76 Resp: 692618
Ion Ratio Lower Upper
76 100
44 20.9 15.6 23.4
78 9.3 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 0.349 ppbv
RT: 4.719 min Scan# 658
Delta R.T. 0.138 min
Lab File: VL041517.D
Acq: 8 Aug 2024 17:52

Tgt Ion: 73 Resp: 24390
Ion Ratio Lower Upper
73 100
57 1165.8 18.9 28.3#





#29

Chloroform

Concen: 0.224 ppbv

RT: 5.282 min Scan# 84

Delta R.T. 0.010 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

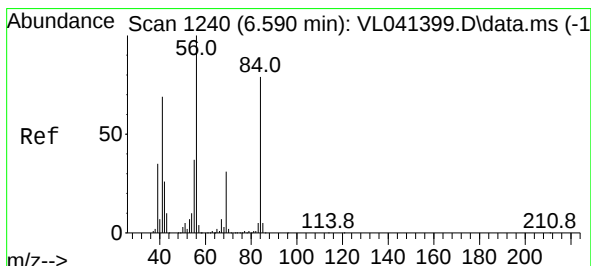
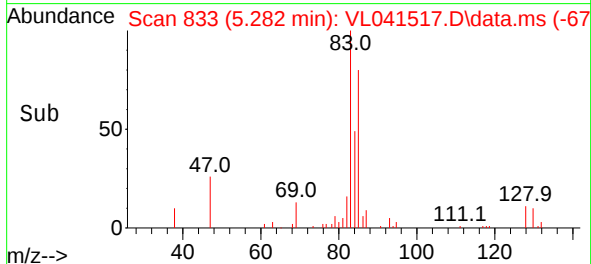
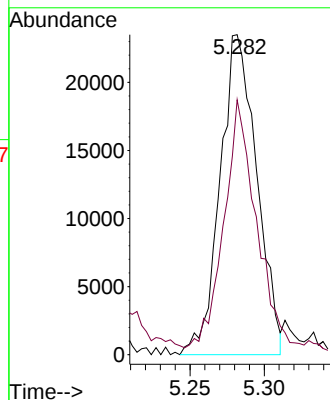
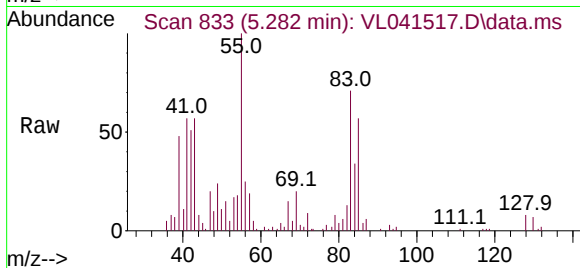
SV-4

Tgt Ion: 83 Resp: 40419

Ion Ratio Lower Upper

83 100

85 76.8 53.1 79.7



#30

Cyclohexane

Concen: 0.317 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

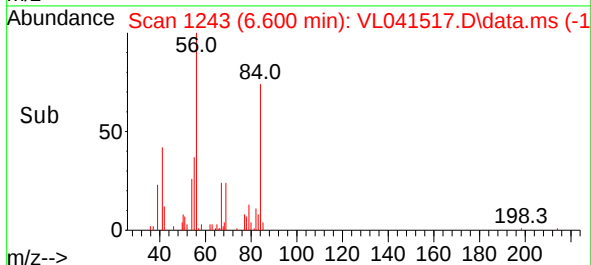
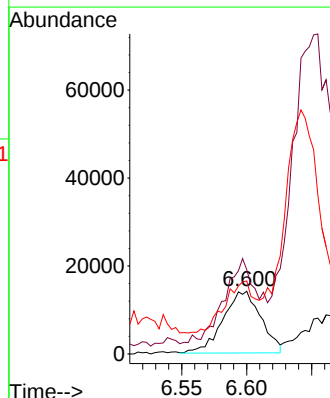
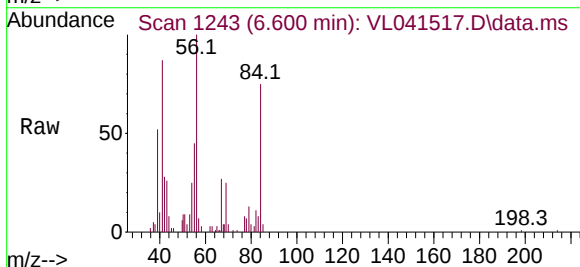
Tgt Ion: 84 Resp: 28591

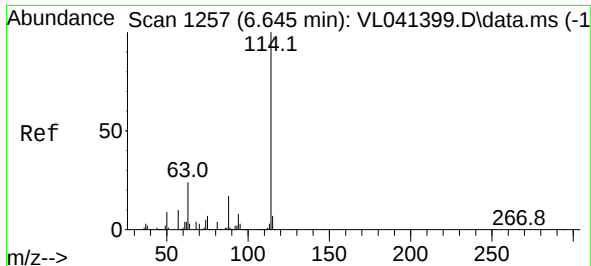
Ion Ratio Lower Upper

84 100

56 137.9 111.2 166.8

41 0.0 70.3 105.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-4

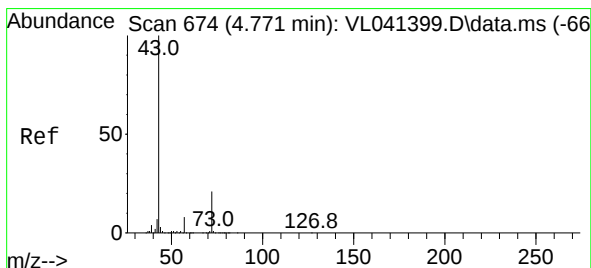
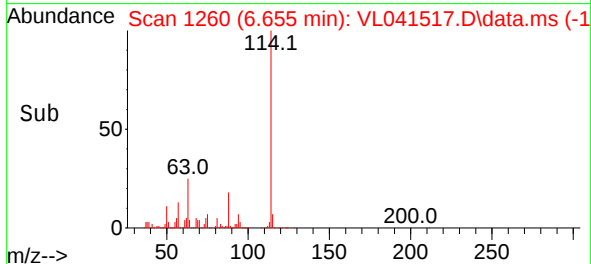
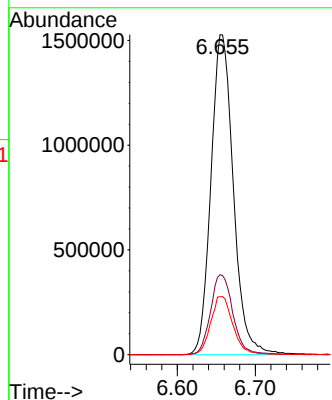
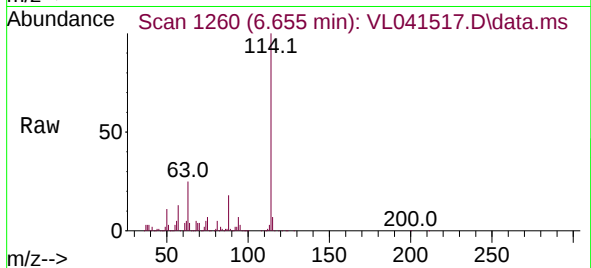
Tgt Ion:114 Resp: 3047645

Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 191.612 ppbv

RT: 4.799 min Scan# 683

Delta R.T. 0.016 min

Lab File: VL041517.D

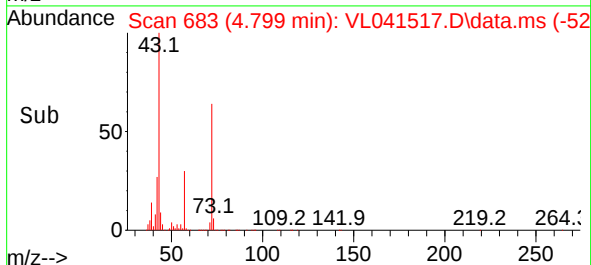
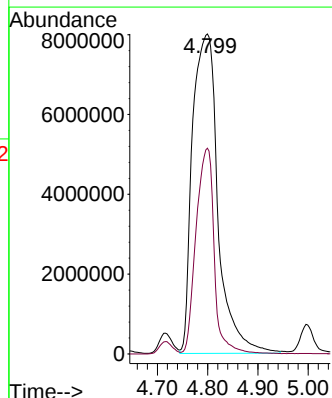
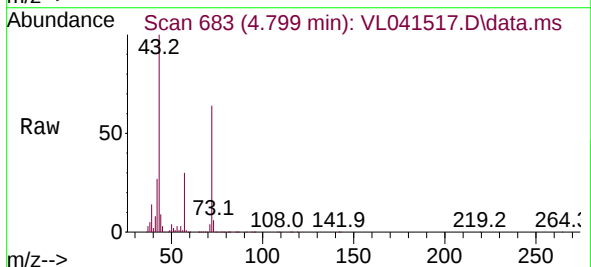
Acq: 8 Aug 2024 17:52

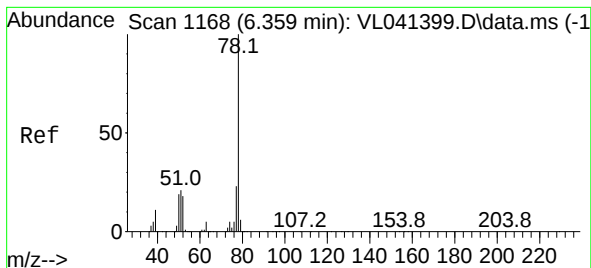
Tgt Ion: 43 Resp:28248396

Ion Ratio Lower Upper

43 100

72 45.7 17.3 25.9#





#36

Benzene

Concen: 0.369 ppbv

RT: 6.369 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-4

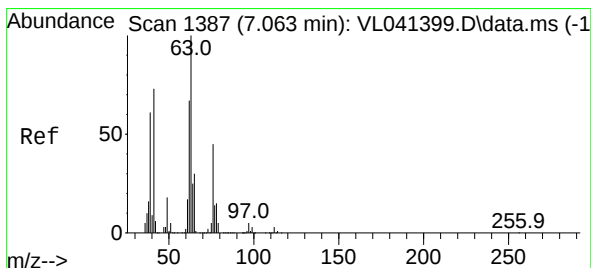
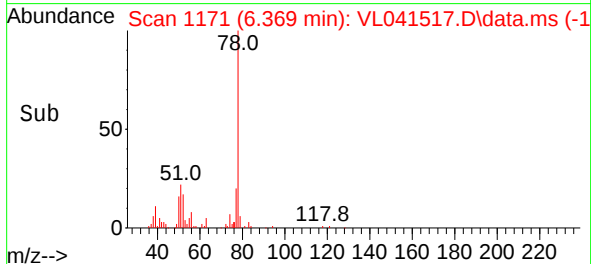
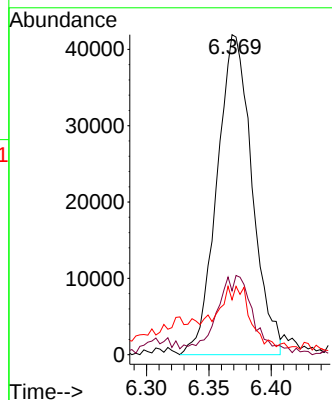
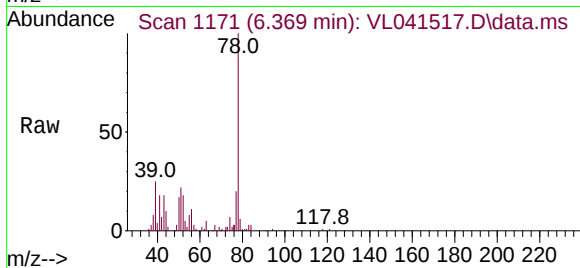
Tgt Ion: 78 Resp: 82138

Ion Ratio Lower Upper

78 100

77 18.1 18.1 27.1

50 13.8 15.5 23.3#



#39

1,2-Dichloropropane

Concen: 0.212 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.199 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

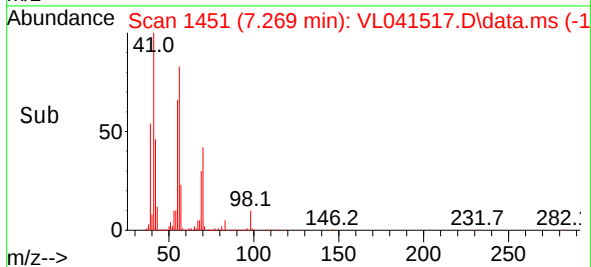
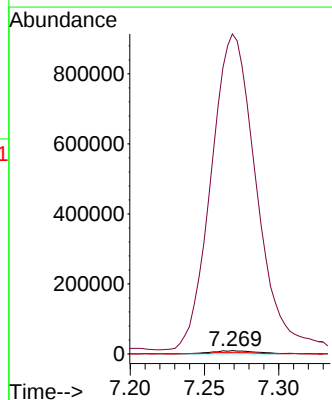
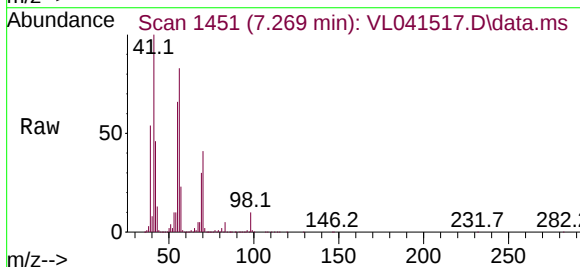
Tgt Ion: 63 Resp: 18055

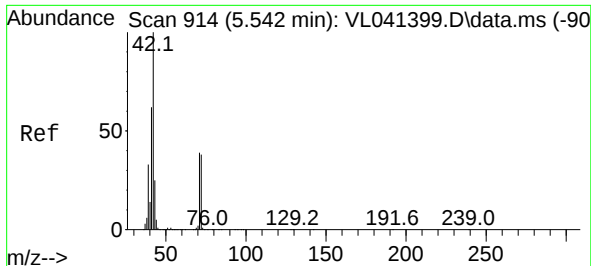
Ion Ratio Lower Upper

63 100

41 9378.0 58.3 87.5#

62 42.7 53.9 80.9#





#41

Tetrahydrofuran

Concen: 0.046 ppbv

RT: 5.555 min Scan# 914

Delta R.T. 0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-4

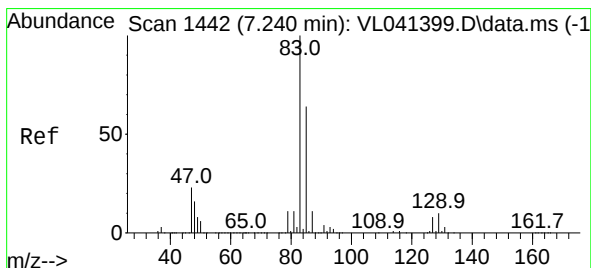
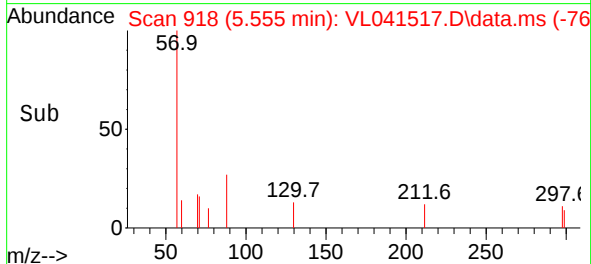
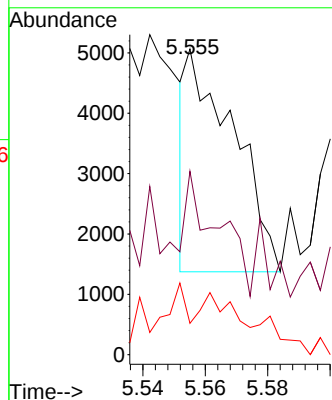
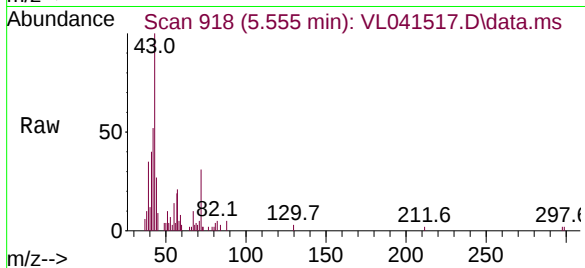
Tgt Ion: 42 Resp: 3891

Ion Ratio Lower Upper

42 100

72 107.9 31.2 46.8#

71 0.0 30.5 45.7#



#42

Bromodichloromethane

Concen: 0.464 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.026 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

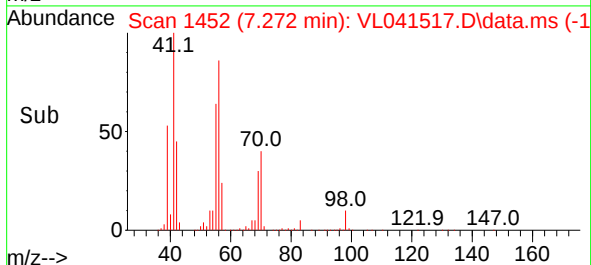
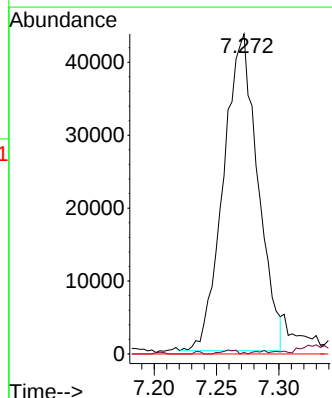
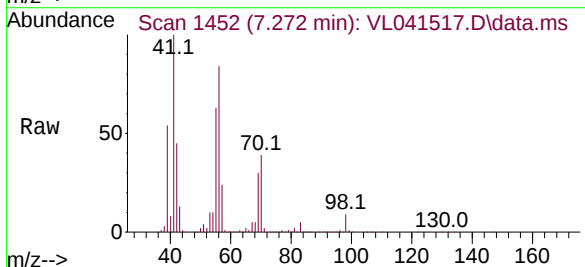
Tgt Ion: 83 Resp: 83434

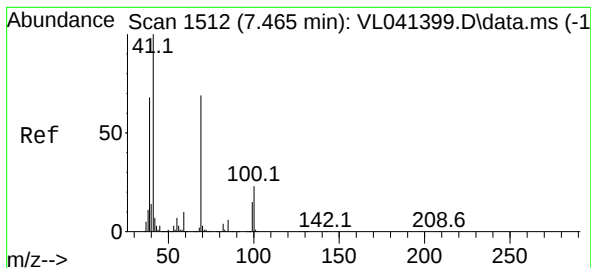
Ion Ratio Lower Upper

83 100

85 0.5 51.4 77.0#

127 0.0 6.7 10.1#





#43

Methyl Methacrylate

Concen: 0.286 ppbv

RT: 7.516 min Scan# 1

Delta R.T. 0.048 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-4

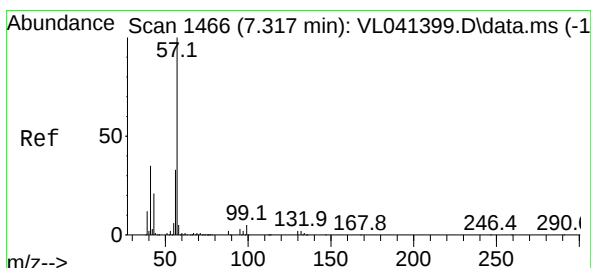
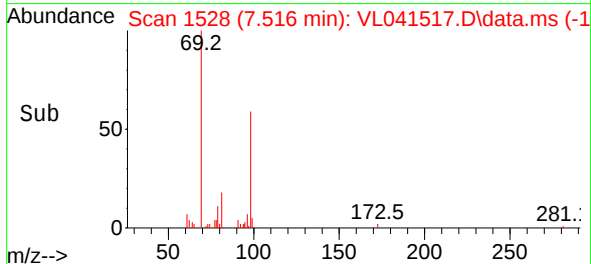
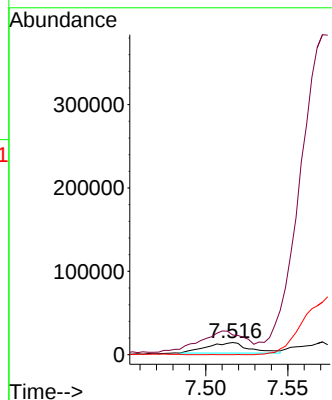
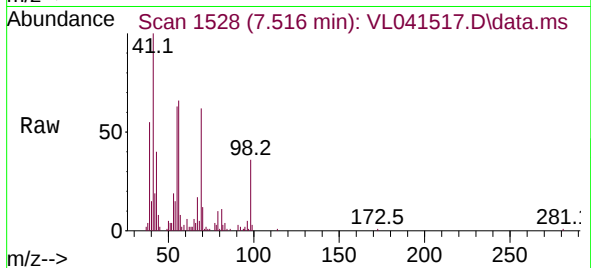
Tgt Ion: 69 Resp: 22877

Ion Ratio Lower Upper

69 100

41 0.0 118.7 178.1#

100 27.4 27.0 40.4



#44

2,2,4-Trimethylpentane

Concen: 0.223 ppbv

RT: 7.320 min Scan# 1467

Delta R.T. 0.000 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

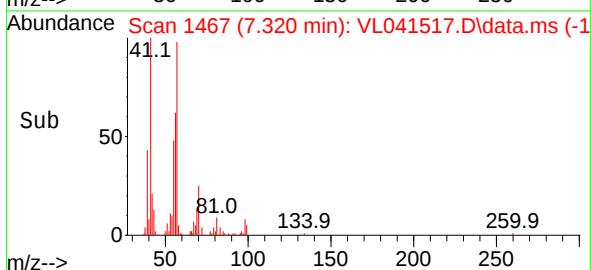
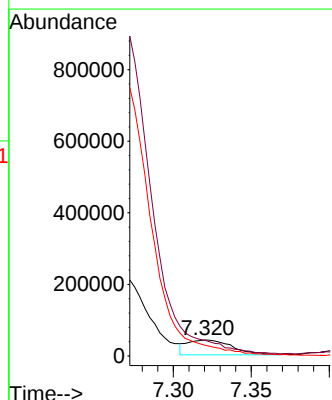
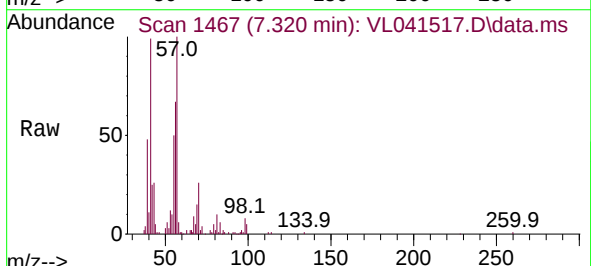
Tgt Ion: 57 Resp: 82769

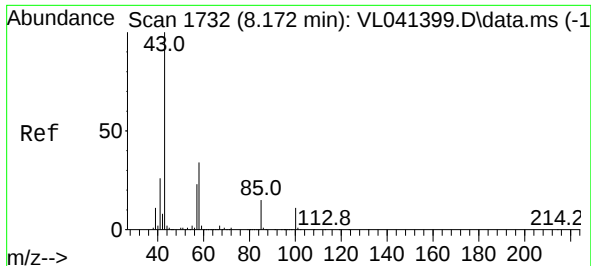
Ion Ratio Lower Upper

57 100

41 0.0 27.0 40.6#

56 0.0 25.2 37.8#





#50

4-Methyl-2-Pentanone

Concen: 0.702 ppbv

RT: 8.176 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

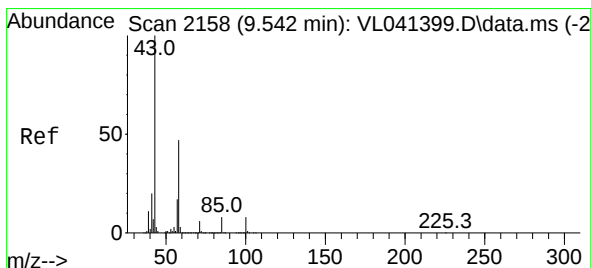
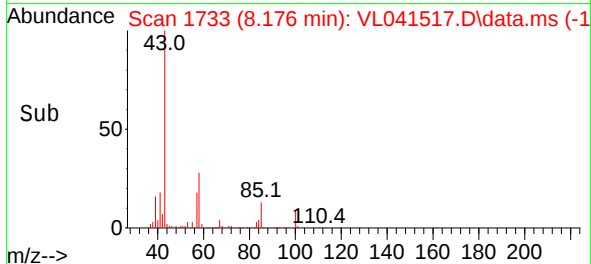
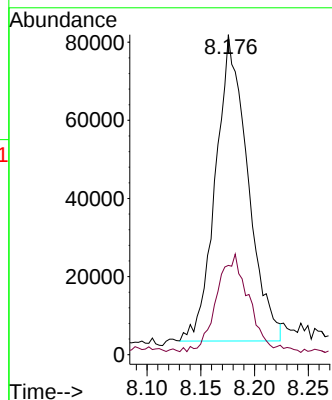
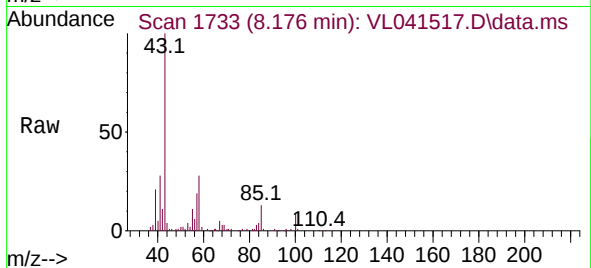
SV-4

Tgt Ion: 43 Resp: 163169

Ion Ratio Lower Upper

43 100

58 32.6 27.9 41.9



#51

2-Hexanone

Concen: 5.825 ppbv

RT: 9.542 min Scan# 2158

Delta R.T. -0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

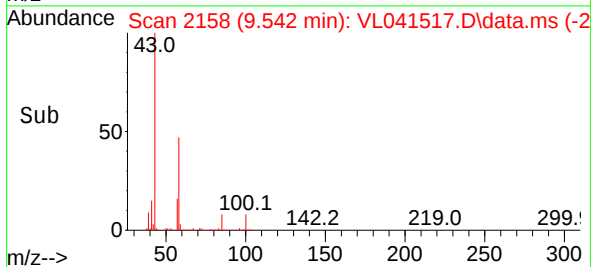
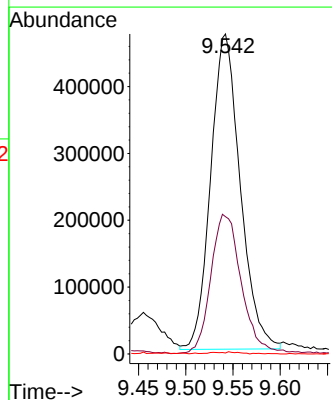
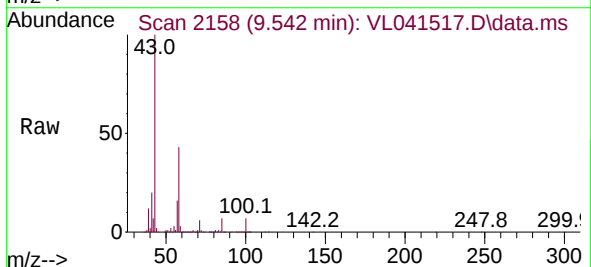
Tgt Ion: 43 Resp: 1024435

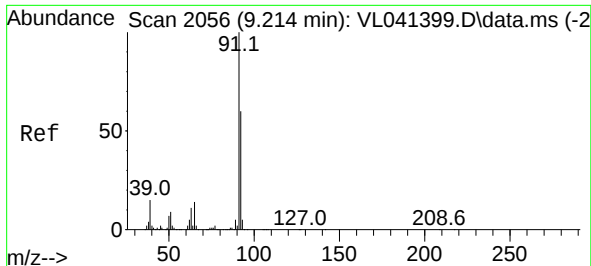
Ion Ratio Lower Upper

43 100

58 45.7 38.2 57.2

98 0.7 0.3 0.5#





#53

Toluene

Concen: 1.627 ppbv

RT: 9.221 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

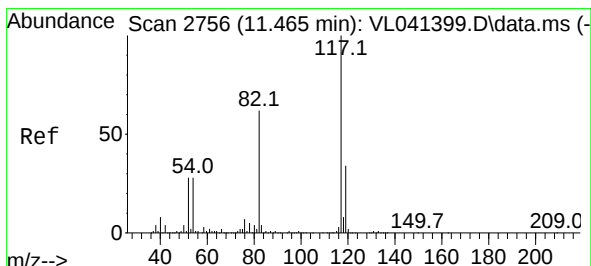
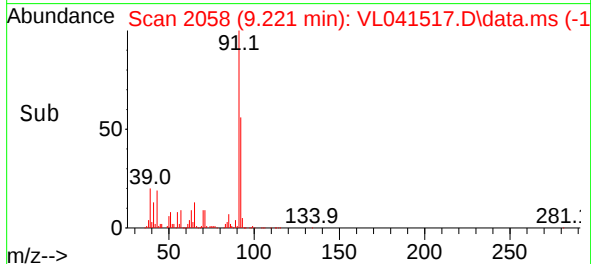
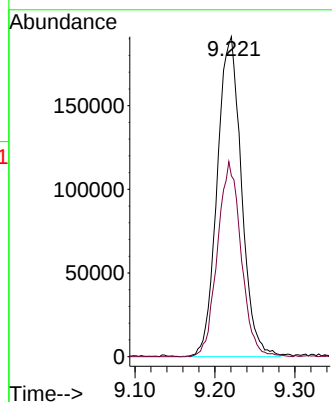
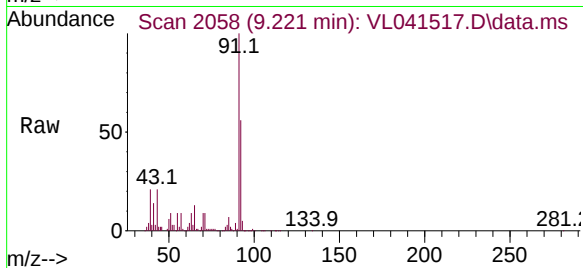
SV-4

Tgt Ion: 91 Resp: 403511

Ion Ratio Lower Upper

91 100

92 59.3 48.7 73.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.458 min Scan# 2754

Delta R.T. -0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

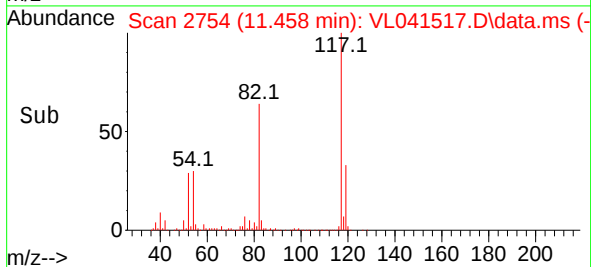
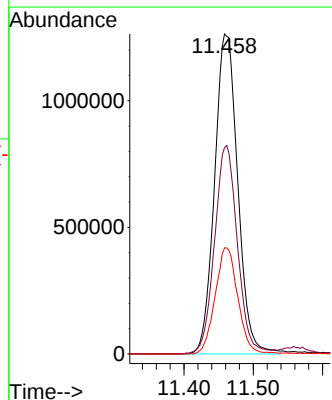
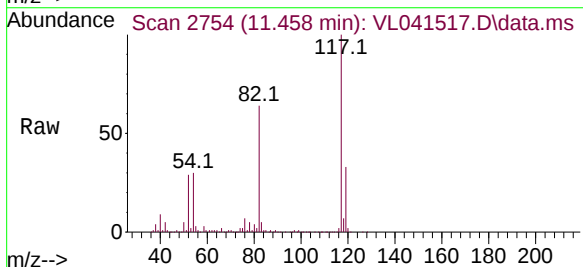
Tgt Ion: 117 Resp: 2938595

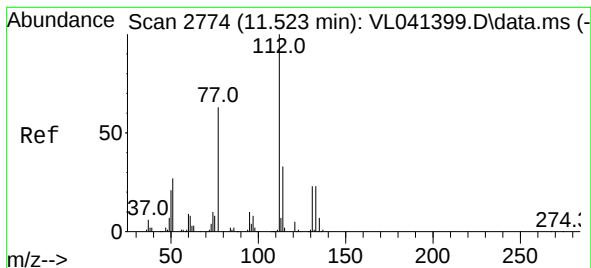
Ion Ratio Lower Upper

117 100

82 64.2 51.0 76.6

119 33.0 45.2 67.8#

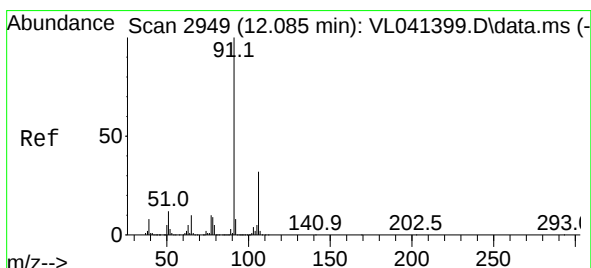
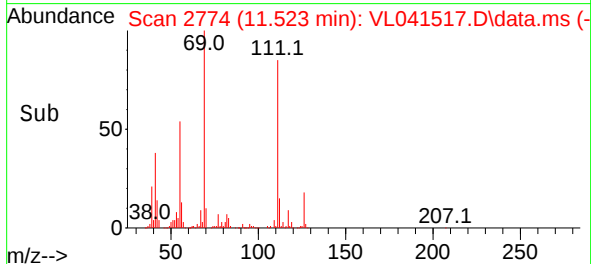
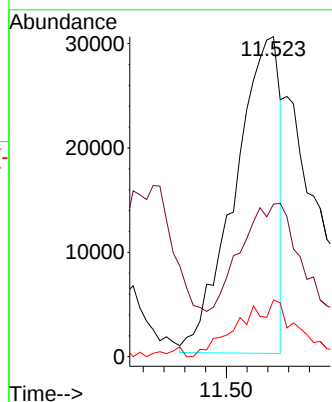
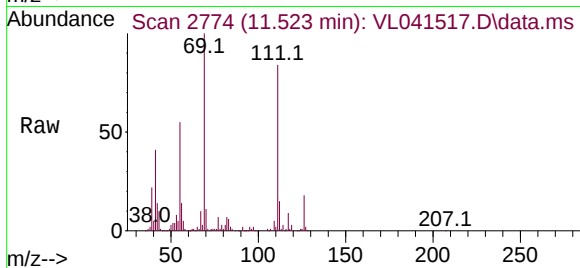




#57
Chlorobenzene
Concen: 0.219 ppbv
RT: 11.523 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041517.D
Acq: 8 Aug 2024 17:52

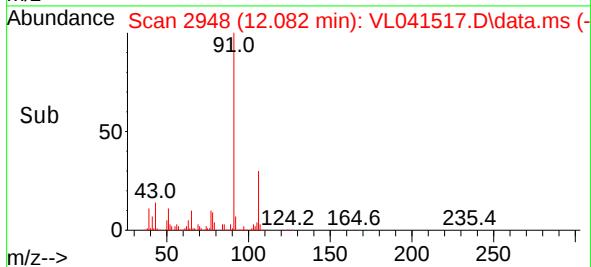
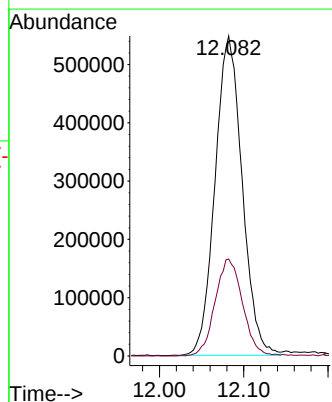
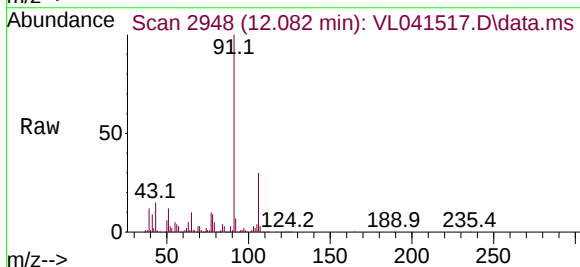
Instrument :
MSVOA_L
ClientSampleId :
SV-4

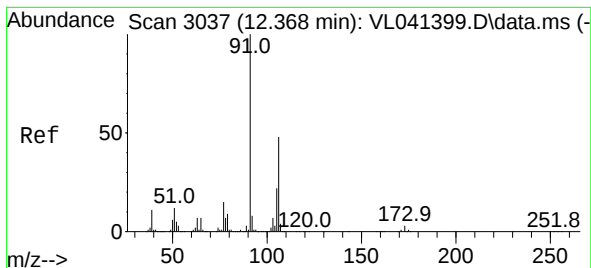
Tgt Ion:112 Resp: 45806
Ion Ratio Lower Upper
112 100
77 20.0 51.1 76.7#
114 15.2 29.5 36.1#



#58
Ethyl Benzene
Concen: 3.614 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VL041517.D
Acq: 8 Aug 2024 17:52

Tgt Ion: 91 Resp: 1224215
Ion Ratio Lower Upper
91 100
106 30.3 25.8 38.8





#59

m/p-Xylene

Concen: 8.607 ppbv

RT: 12.333 min Scan# 3037

Delta R.T. -0.035 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

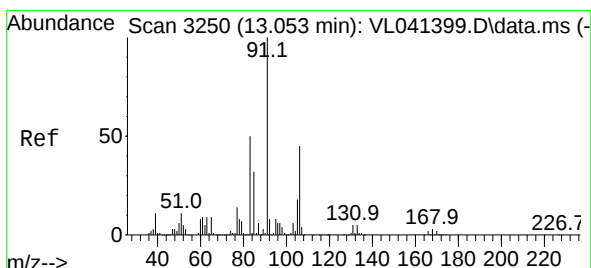
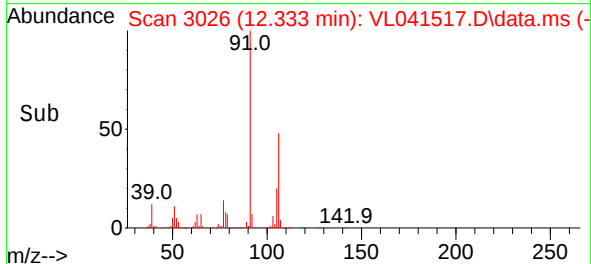
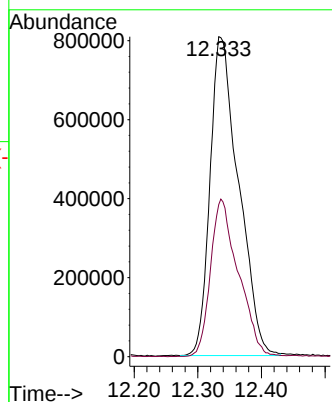
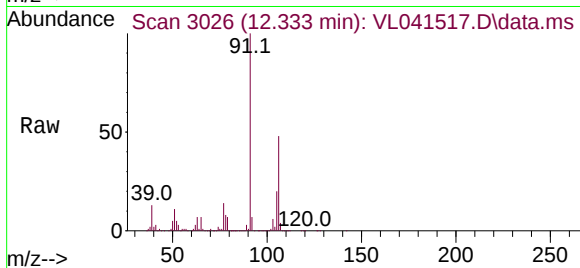
SV-4

Tgt Ion: 91 Resp: 2516701

Ion Ratio Lower Upper

91 100

106 48.5 36.3 54.5



#60

o-Xylene

Concen: 3.051 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VL041517.D

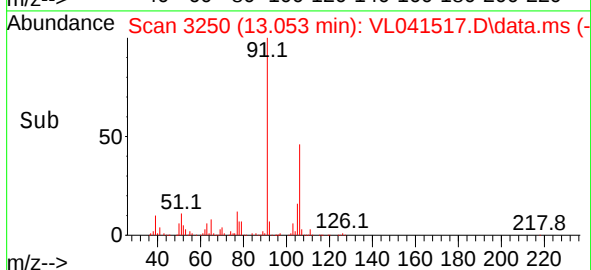
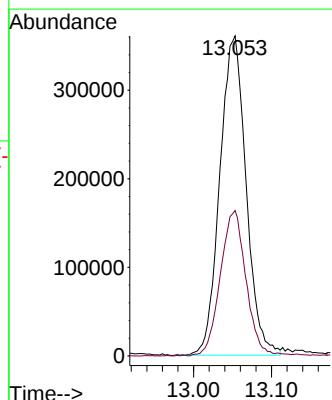
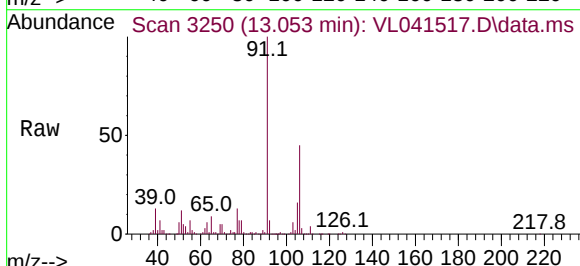
Acq: 8 Aug 2024 17:52

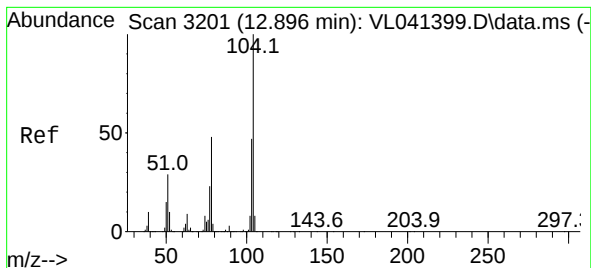
Tgt Ion: 91 Resp: 843830

Ion Ratio Lower Upper

91 100

106 45.0 23.1 69.3





#61

Styrene

Concen: 0.048 ppbv

RT: 12.889 min Scan# 3199

Delta R.T. -0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-4

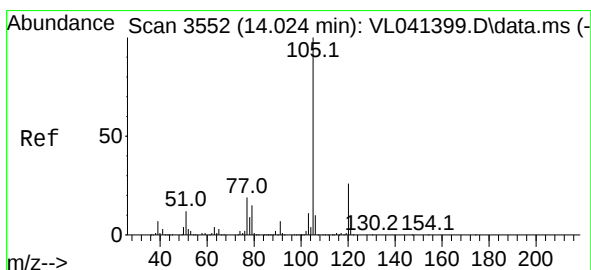
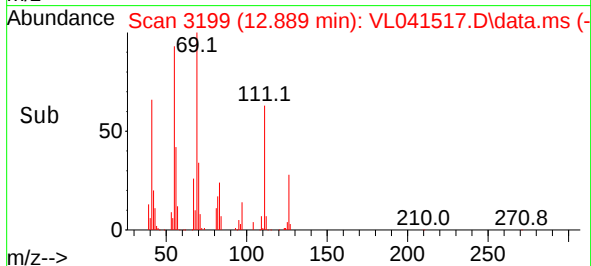
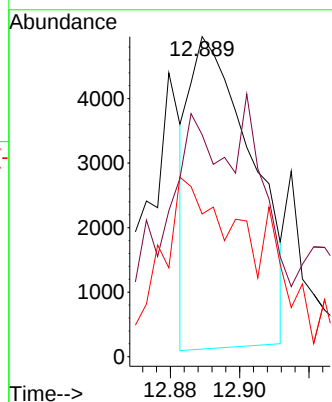
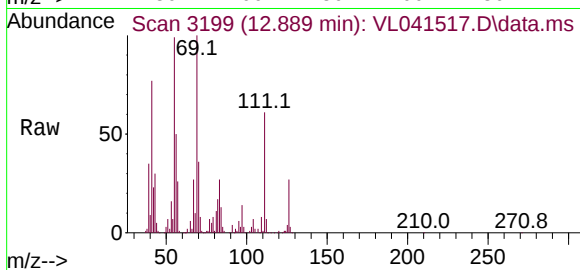
Tgt Ion:104 Resp: 6026

Ion Ratio Lower Upper

104 100

78 0.0 40.8 61.2#

103 0.0 38.2 57.4#



#62

Isopropylbenzene

Concen: 0.041 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. -0.003 min

Lab File: VL041517.D

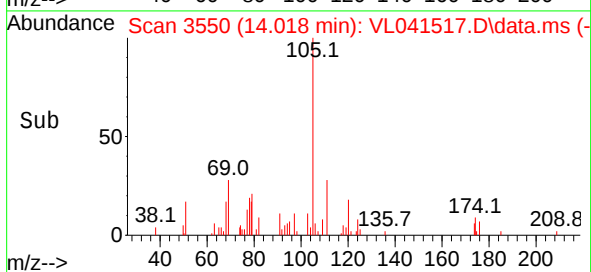
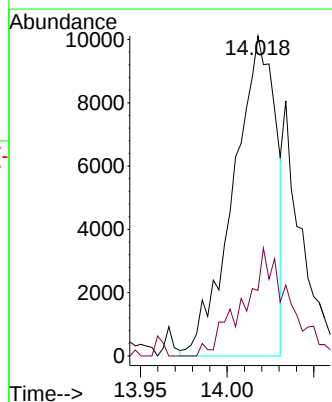
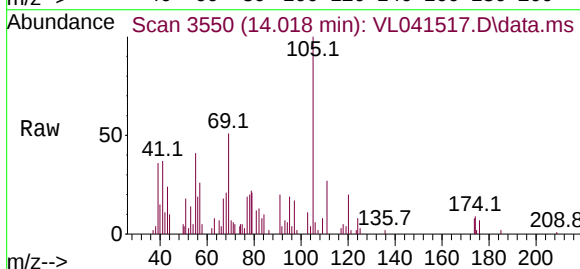
Acq: 8 Aug 2024 17:52

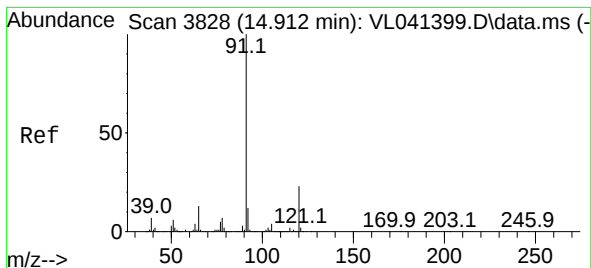
Tgt Ion:105 Resp: 17198

Ion Ratio Lower Upper

105 100

120 36.2 21.0 31.4#





#64

n-propylbenzene

Concen: 0.037 ppbv

RT: 14.899 min Scan# 3824

Delta R.T. -0.013 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

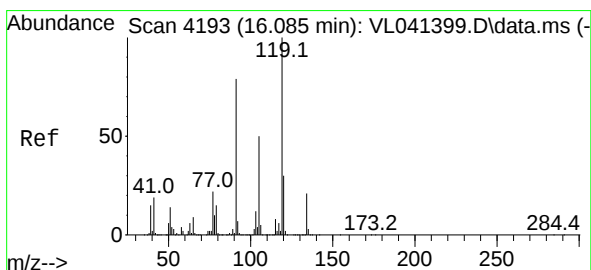
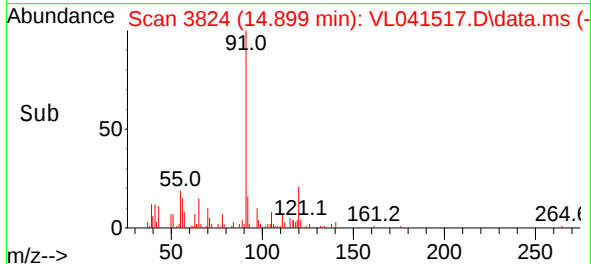
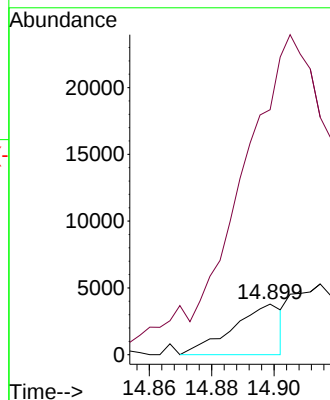
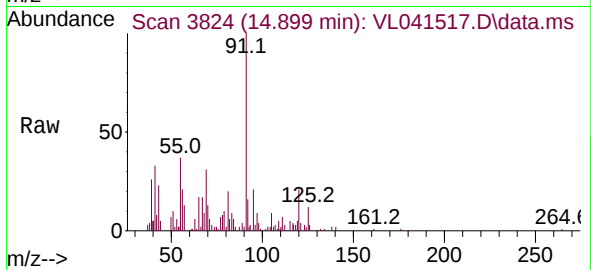
SV-4

Tgt Ion:120 Resp: 4120

Ion Ratio Lower Upper

120 100

91 1236.4 361.4 542.0#



#65

tert-Butylbenzene

Concen: 0.049 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. 0.013 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

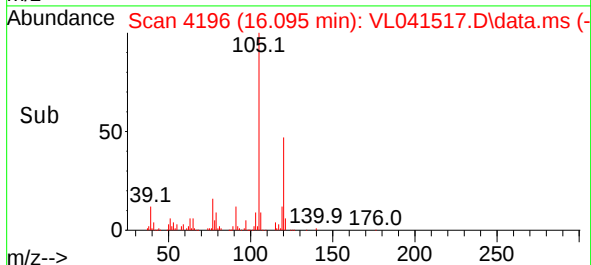
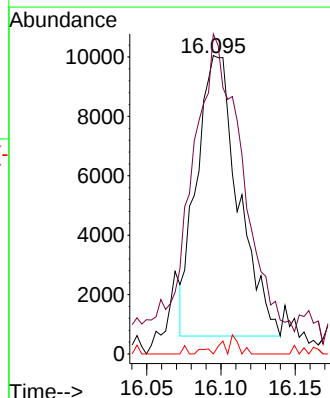
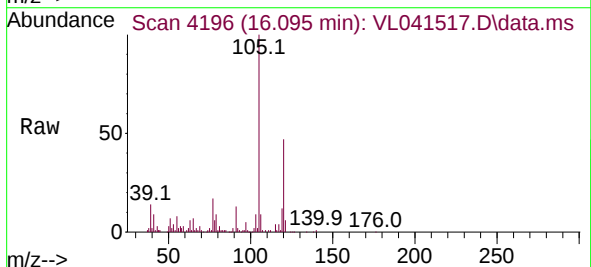
Tgt Ion:119 Resp: 18458

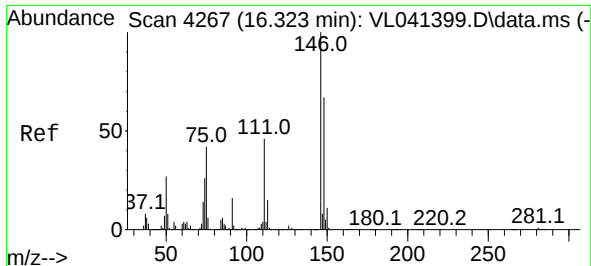
Ion Ratio Lower Upper

119 100

91 150.1 64.2 96.2#

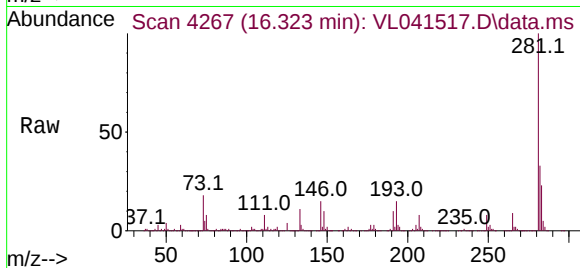
134 2.8 15.7 23.5#



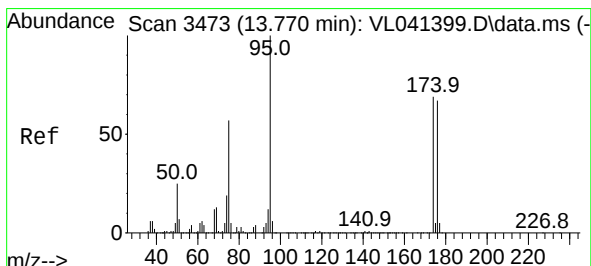
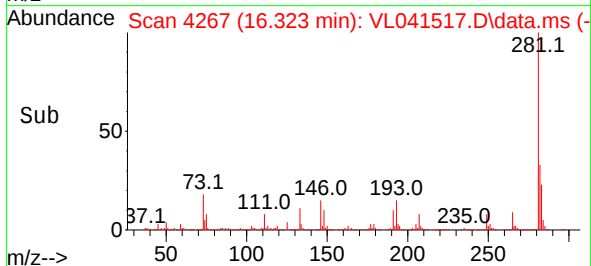
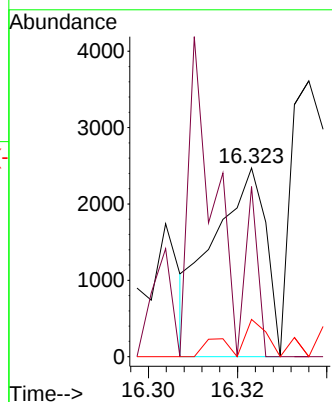


#66
Benzyl Chloride
Concen: 0.084 ppbv
RT: 16.323 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041517.D
Acq: 8 Aug 2024 17:52

Instrument :
MSVOA_L
ClientSampleId :
SV-4

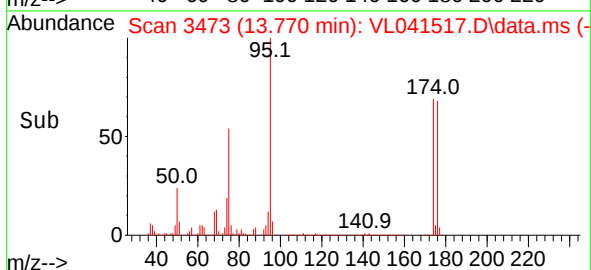
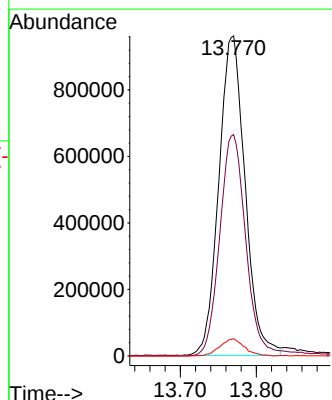
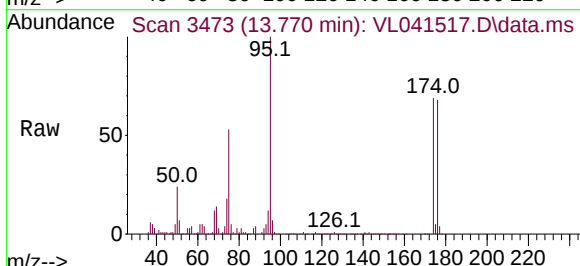


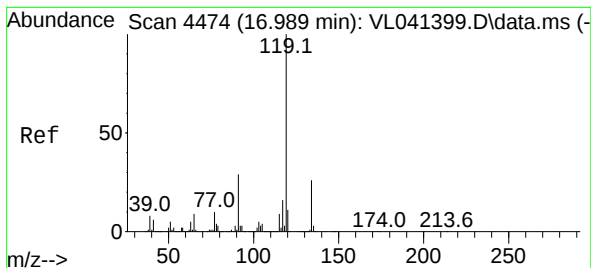
Tgt Ion: 91 Resp: 2047
Ion Ratio Lower Upper
91 100
126 120.9 13.8 20.8#
128 0.0 4.4 6.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.191 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. 0.003 min
Lab File: VL041517.D
Acq: 8 Aug 2024 17:52

Tgt Ion: 95 Resp: 2304594
Ion Ratio Lower Upper
95 100
174 70.4 56.3 84.5
175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.867 ppbv

RT: 16.989 min Scan# 4474

Delta R.T. 0.000 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-4

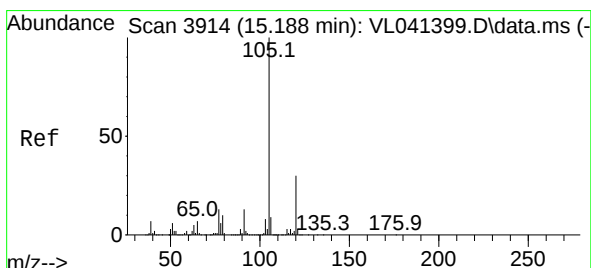
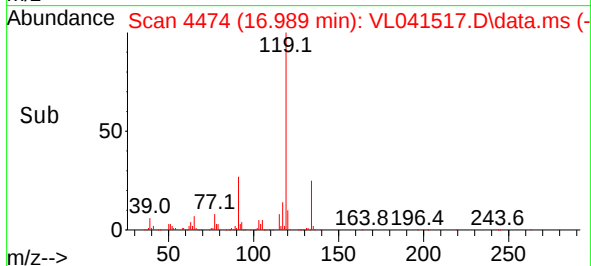
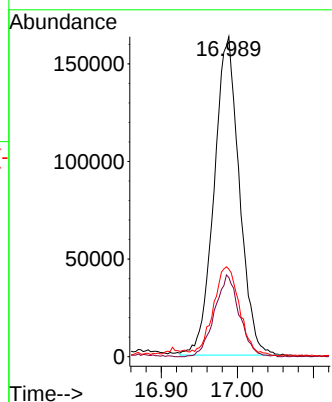
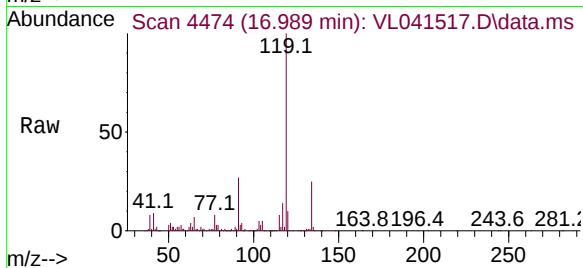
Tgt Ion:119 Resp: 376548

Ion Ratio Lower Upper

119 100

134 25.2 20.5 30.7

91 30.7 23.2 34.8



#72

4-Ethyltoluene

Concen: 0.148 ppbv

RT: 15.191 min Scan# 3915

Delta R.T. 0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Tgt Ion:105 Resp: 48155

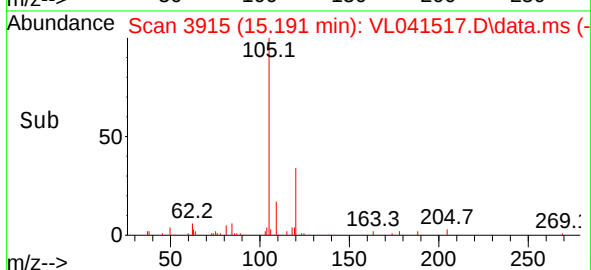
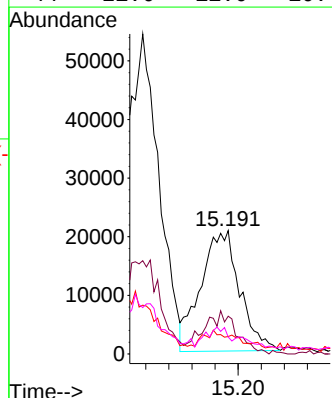
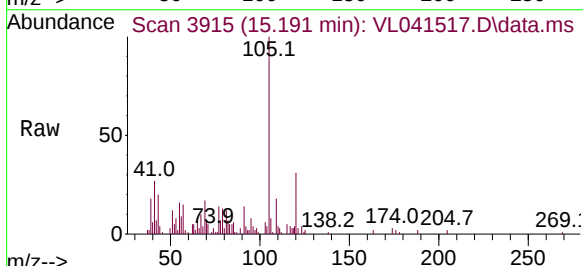
Ion Ratio Lower Upper

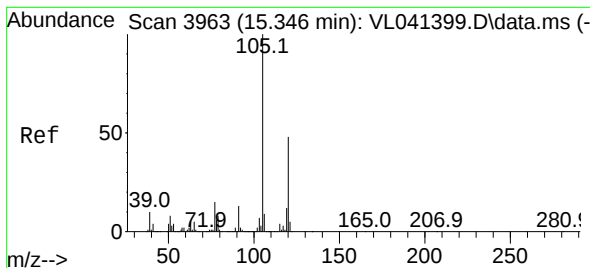
105 100

120 30.5 24.2 36.2

91 17.8 10.4 15.6#

77 21.6 11.0 16.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.052 ppbv

RT: 15.346 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

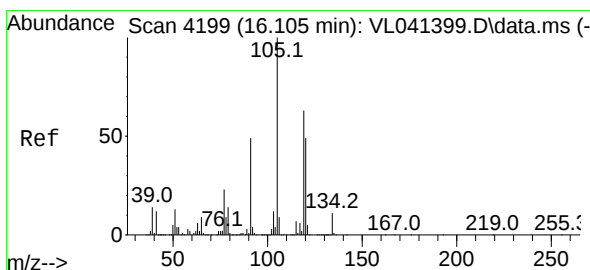
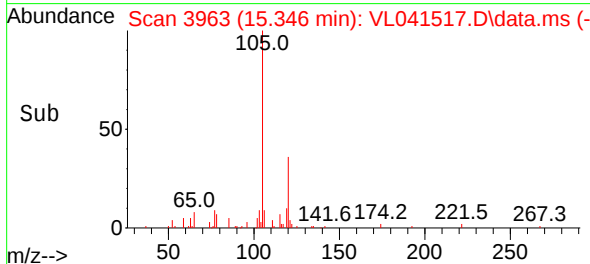
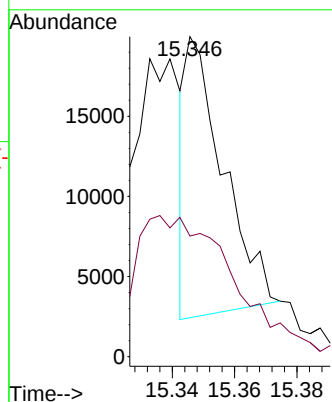
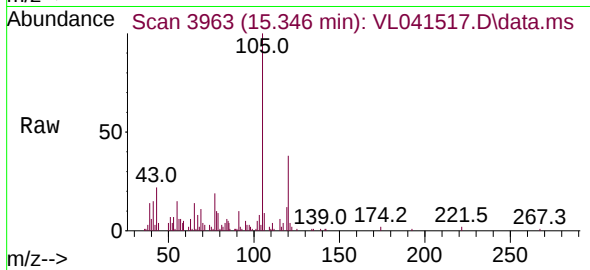
SV-4

Tgt Ion:105 Resp: 14470

Ion Ratio Lower Upper

105 100

120 32.8 38.6 57.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.581 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. -0.006 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Tgt Ion:105 Resp: 189559

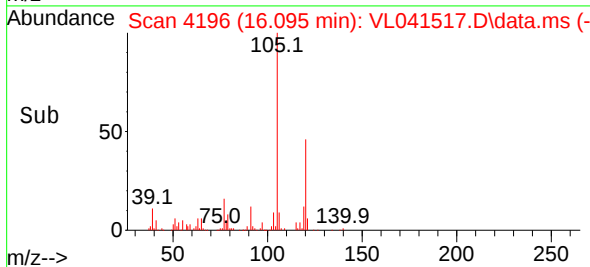
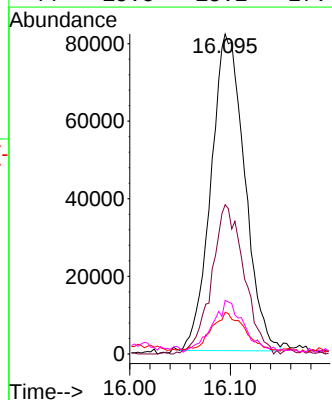
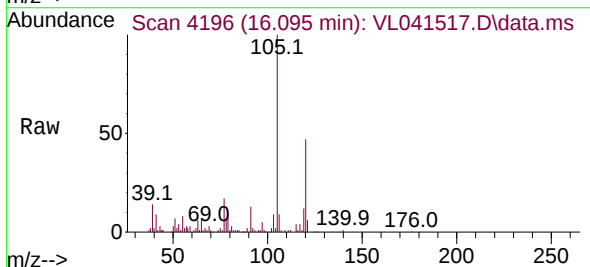
Ion Ratio Lower Upper

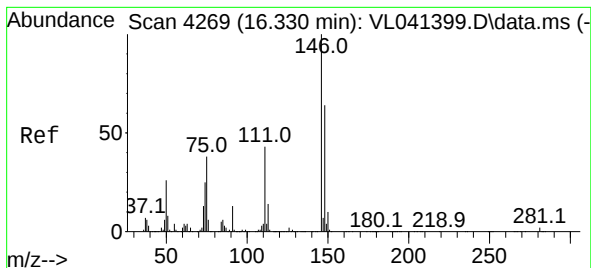
105 100

120 47.2 39.5 59.3

91 12.0 39.8 59.8#

77 15.5 18.2 27.4#





#75

1,3-Dichlorobenzene

Concen: 1.660 ppbv

RT: 16.320 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-4

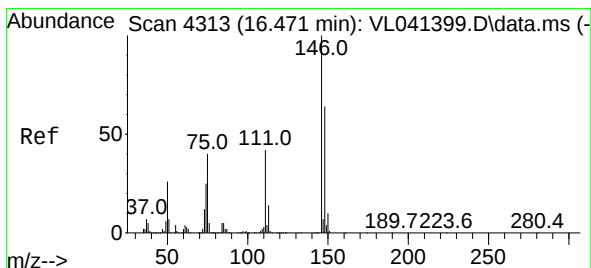
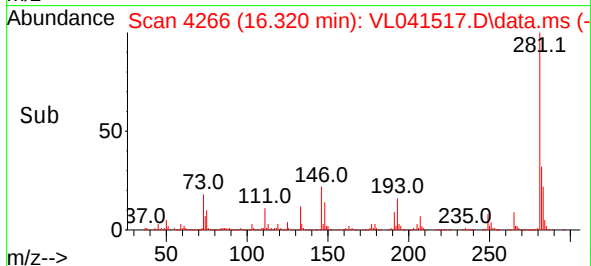
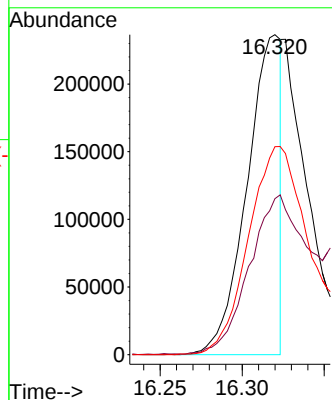
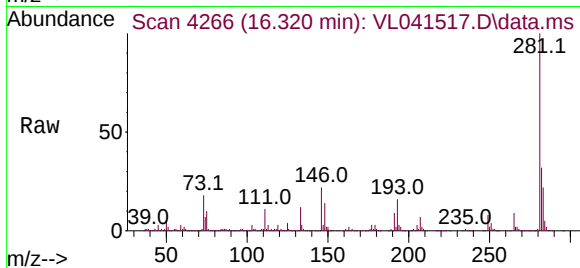
Tgt Ion:146 Resp: 340279

Ion Ratio Lower Upper

146 100

111 0.0 22.6 67.8#

148 0.0 32.3 96.8#



#76

1,4-Dichlorobenzene

Concen: 1.360 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. -0.138 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

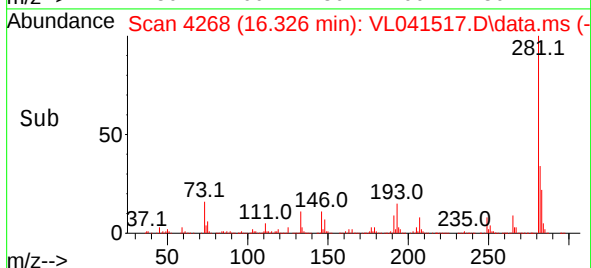
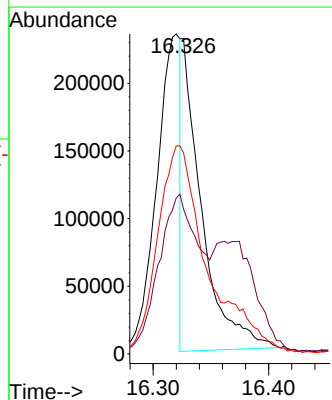
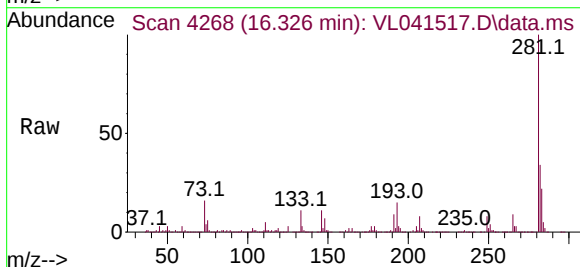
Tgt Ion:146 Resp: 269959

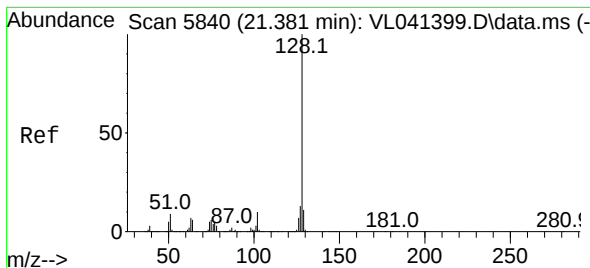
Ion Ratio Lower Upper

146 100

111 104.0 22.4 67.0#

148 172.3 33.1 99.5#





#79

Naphthalene

Concen: 0.036 ppbv

RT: 21.365 min Scan# 51

Delta R.T. -0.006 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-4

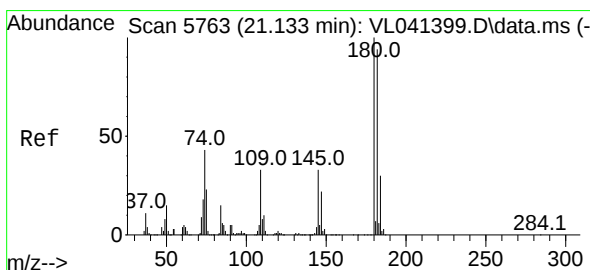
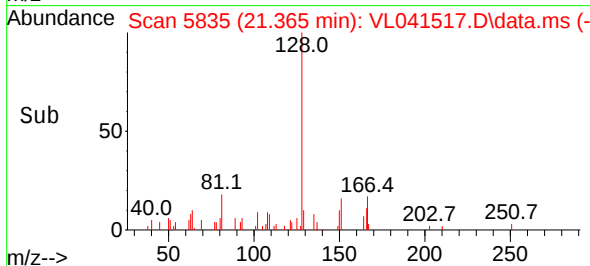
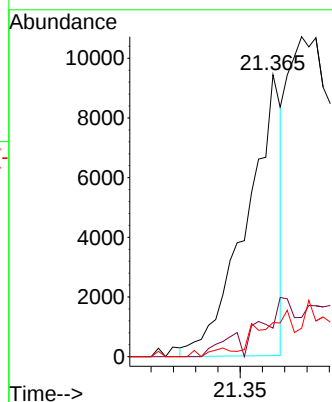
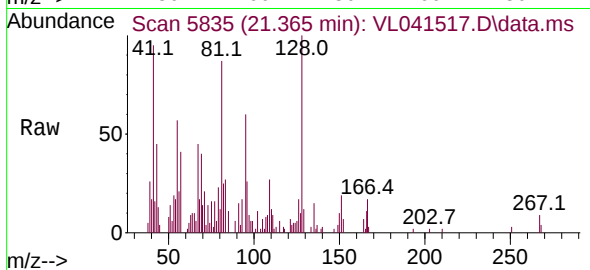
Tgt Ion:128 Resp: 10234

Ion Ratio Lower Upper

128 100

127 10.4 10.3 15.5

129 12.5 9.0 13.4



#81

1,2,4-Trichlorobenzene

Concen: 1.207 ppbv

RT: 20.792 min Scan# 5657

Delta R.T. -0.338 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Tgt Ion:180 Resp: 206796

Ion Ratio Lower Upper

180 100

182 8.6 76.7 115.1#

184 0.5 24.5 36.7#

