

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041552.D
 Acq On : 19 Aug 2024 17:56
 Operator : SY/MD
 Sample : P3658-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: Aug 20 02:20:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 20 02:10:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1053445	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2751839	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2561332	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	2717582	13.787	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	137.900%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.748	85	9742	0.054	ppbv	89
3) Chlorodifluoromethane	2.690	51	172904	1.379	ppbv	97
4) Chloromethane	2.816	50	29787	0.447	ppbv	# 46
5) Vinyl Chloride	2.938	62	2094	0.032	ppbv	93
7) Chloroethane	2.816	64	125465	5.530	ppbv	90
9) Propene	2.890	41	9360219	162.476	ppbv	94
10) Heptane	7.603	43	353296	2.729	ppbv	97
13) Ethanol	3.263	45	72367	14.055	ppbv	82
15) Acetone	3.478	43	5419171	45.276	ppbv	# 64
16) 1,3-Butadiene	2.983	39	2047991	32.025	ppbv	# 28
17) tert-Butyl alcohol	3.899	59	298223	2.732	ppbv	# 1
19) Isopropyl Alcohol	3.597	45	194438	2.779	ppbv	# 93
20) Methylene Chloride	3.947	84	31907	0.715	ppbv	# 75
21) Allyl Chloride	3.973	41	143767	1.832	ppbv	# 25
23) Vinyl Acetate	4.626	43	4030551	44.091	ppbv	# 1
25) Ethyl Acetate	5.234	43	754106	3.171	ppbv	# 78
26) Hexane	5.234	57	1059287	10.739	ppbv	# 36
27) Carbon Disulfide	4.144	76	201525	1.746	ppbv	98
28) Methyl tert-Butyl Ether	4.607	73	7657	0.123	ppbv	# 52
30) Cyclohexane	6.626	84	405898	5.053	ppbv	86
34) 2-Butanone	4.803	43	1838767	13.813	ppbv	99
36) Benzene	6.391	78	476853	2.371	ppbv	95
39) 1,2-Dichloropropane	6.938	63	20414	0.265	ppbv	# 1
41) Tetrahydrofuran	5.552	42	32802	0.431	ppbv	# 59
42) Bromodichloromethane	7.275	83	106989	0.658	ppbv	# 30
44) 2,2,4-Trimethylpentane	7.353	57	1012300	3.014	ppbv	# 48
47) 1,1,2-Trichloroethane	8.925	97	3728	0.044	ppbv	# 1
50) 4-Methyl-2-Pentanone	8.233	43	749221	3.567	ppbv	94
51) 2-Hexanone	9.571	43	458305	2.886	ppbv	# 67
53) Toluene	9.246	91	843001	3.764	ppbv	100
57) Chlorobenzene	11.555	112	91265	0.500	ppbv	# 36
58) Ethyl Benzene	12.111	91	306218	1.037	ppbv	94
59) m/p-Xylene	12.365	91	1127079	4.423	ppbv	96
60) o-Xylene	13.082	91	392141	1.627	ppbv	96
62) Isopropylbenzene	14.053	105	18992	0.052	ppbv	# 49
63) 1,1,2,2-Tetrachloroethane	13.050	83	28047	0.184	ppbv	# 77
64) n-propylbenzene	15.146	120	120858	1.261	ppbv	69
65) tert-Butylbenzene	16.114	119	24921	0.075	ppbv	# 22
66) Benzyl Chloride	16.359	91	1184	0.056	ppbv	# 1
69) p-Isopropyltoluene	17.018	119	16509	0.044	ppbv	# 47
72) 4-Ethyltoluene	15.214	105	199364	0.702	ppbv	# 92
73) 1,3,5-Trimethylbenzene	15.371	105	143451	0.587	ppbv	88
74) 1,2,4-Trimethylbenzene	16.130	105	639297	2.249	ppbv	# 69

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QLast Update : Tue Aug 20 02:10:04 2024
Response via : Initial Calibration

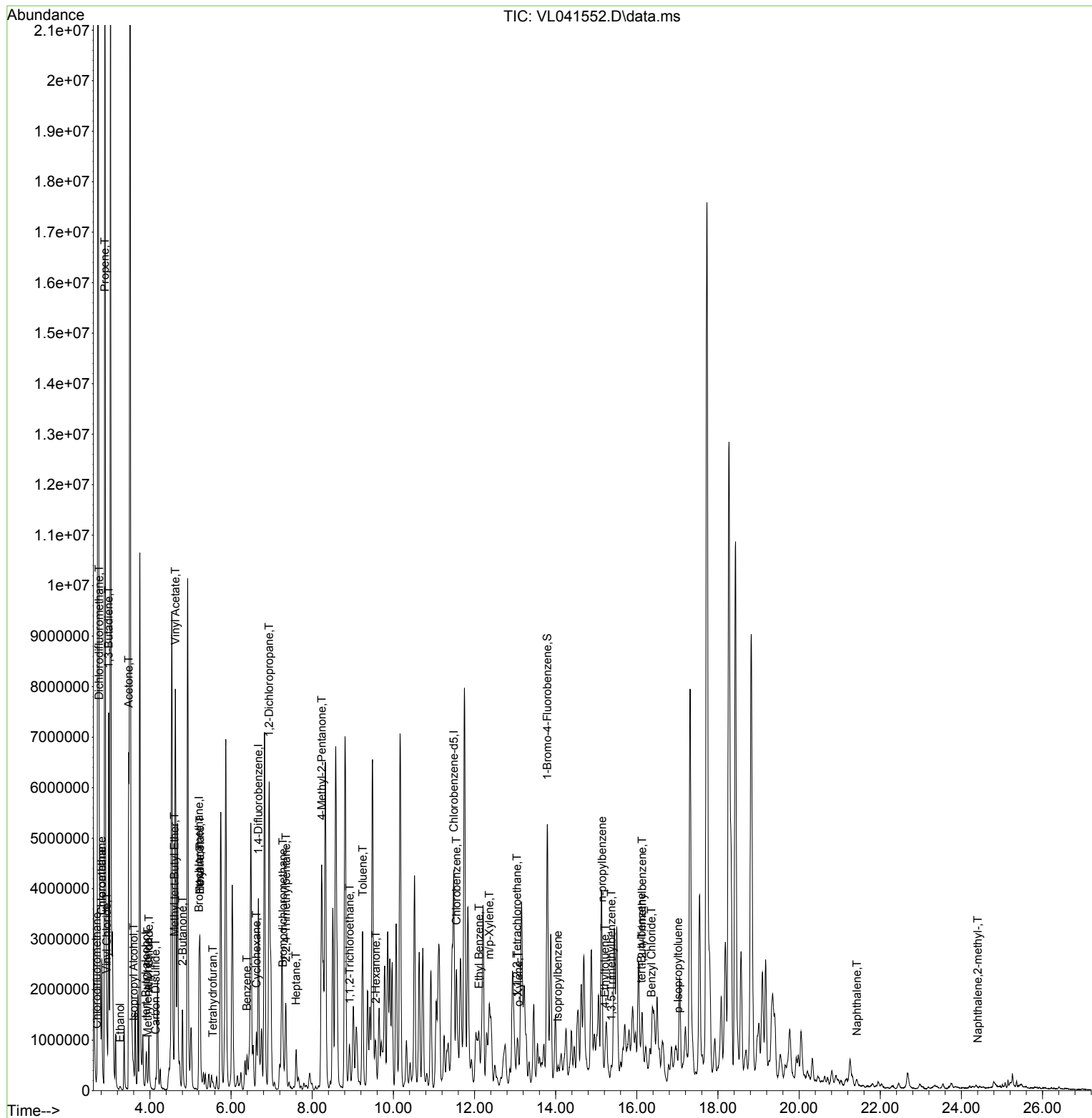
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	21.426	128	15075	0.060	ppbv	97
80) Naphthalene,2-methyl-	24.403	142	6967	0.033	ppbv #	94

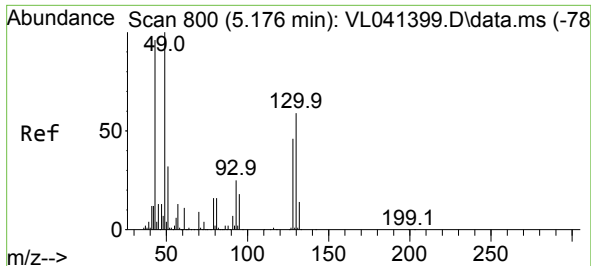
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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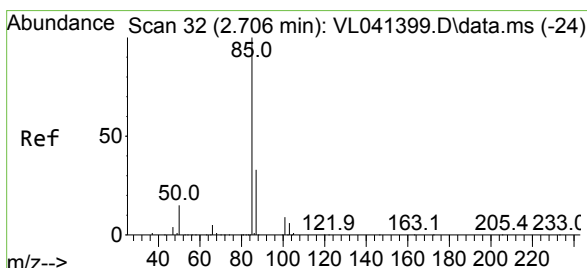
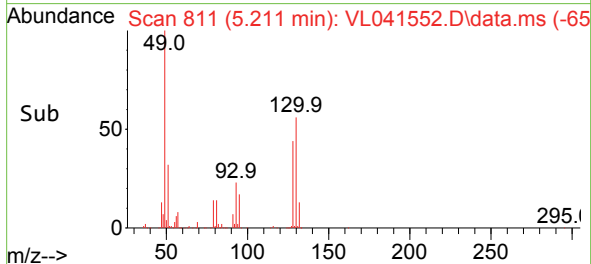
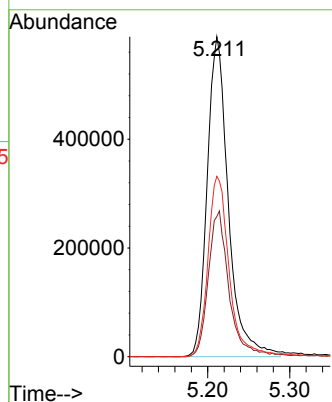
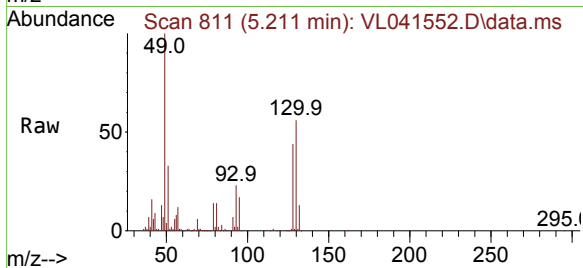




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL041552.D
 Acq: 19 Aug 2024 17:56

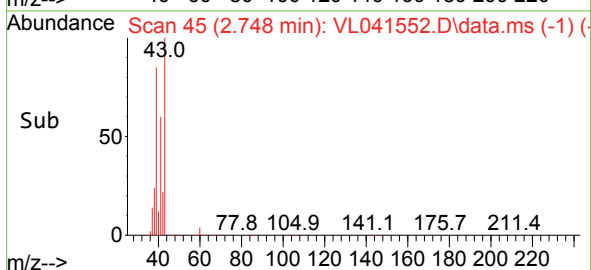
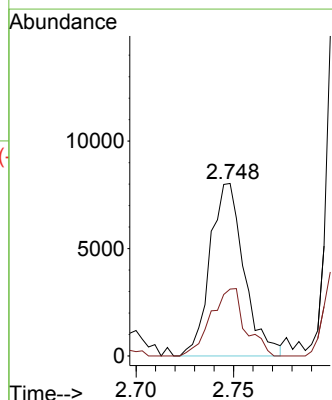
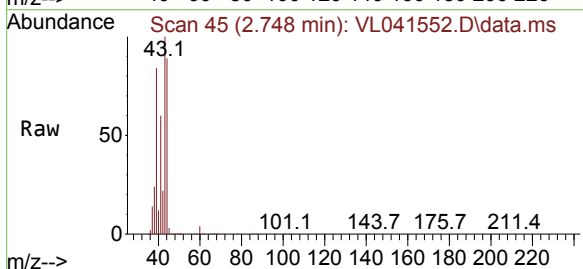
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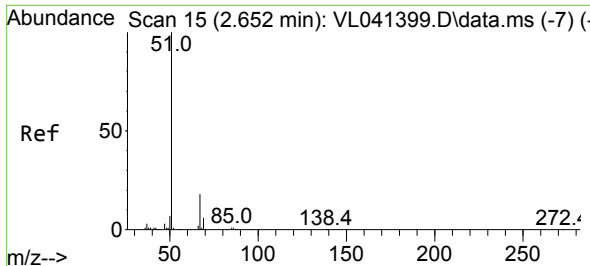
Tgt Ion: 49 Resp: 1053445
 Ion Ratio Lower Upper
 49 100
 128 45.6 23.8 71.4
 130 57.6 30.8 92.4



#2
 Dichlorodifluoromethane
 Concen: 0.054 ppbv
 RT: 2.748 min Scan# 45
 Delta R.T. 0.000 min
 Lab File: VL041552.D
 Acq: 19 Aug 2024 17:56

Tgt Ion: 85 Resp: 9742
 Ion Ratio Lower Upper
 85 100
 87 38.8 26.0 39.0

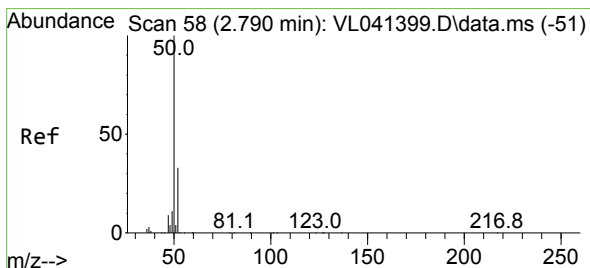
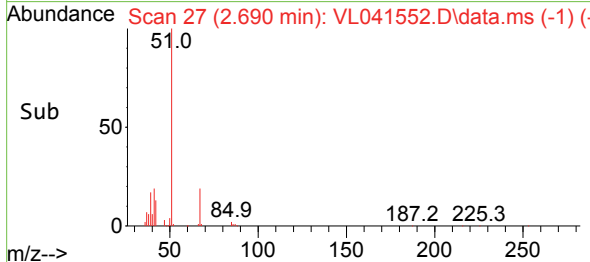
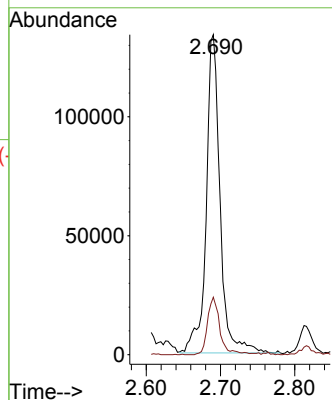
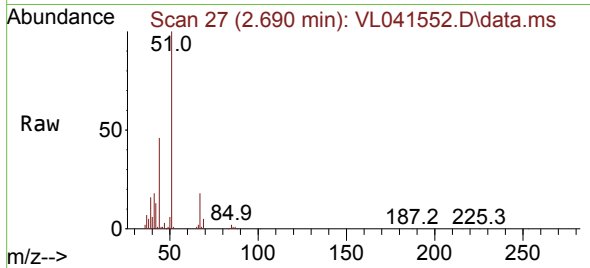




#3
Chlorodifluoromethane
Concen: 1.379 ppbv
RT: 2.690 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

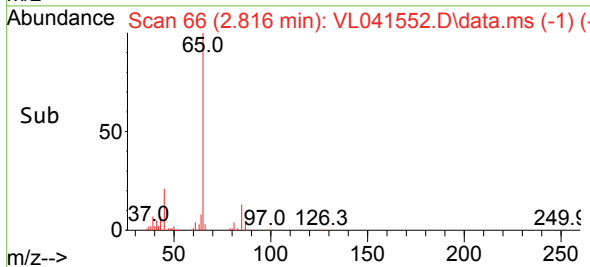
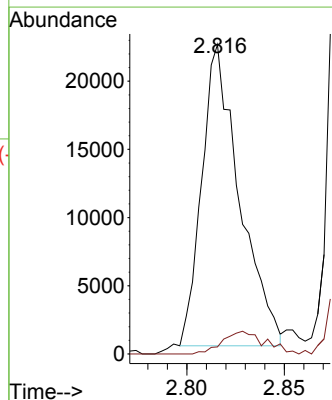
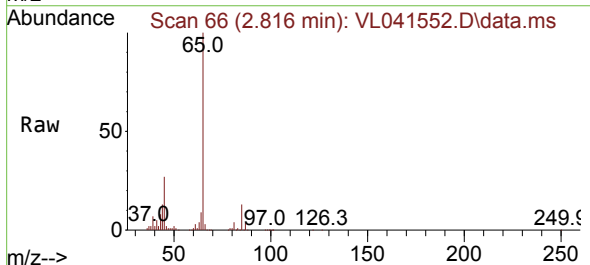
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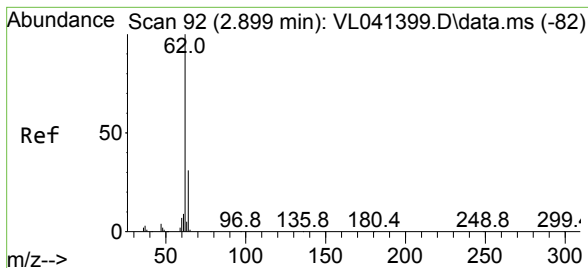
Tgt Ion: 51 Resp: 172904
Ion Ratio Lower Upper
51 100
67 16.8 14.5 21.7



#4
Chloromethane
Concen: 0.447 ppbv
RT: 2.816 min Scan# 66
Delta R.T. -0.016 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion: 50 Resp: 29787
Ion Ratio Lower Upper
50 100
52 2.3 26.1 39.1#

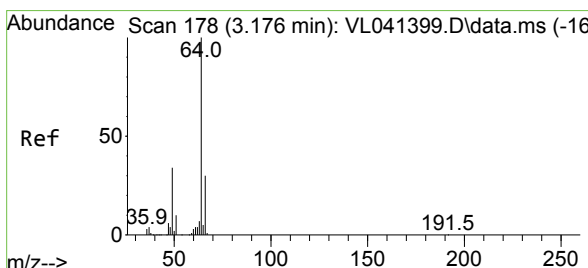
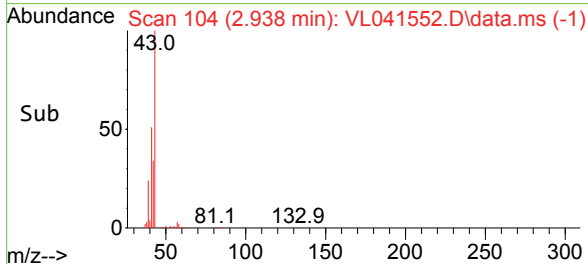
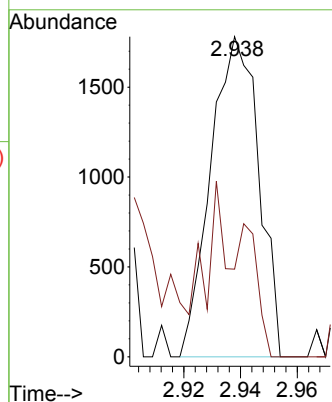
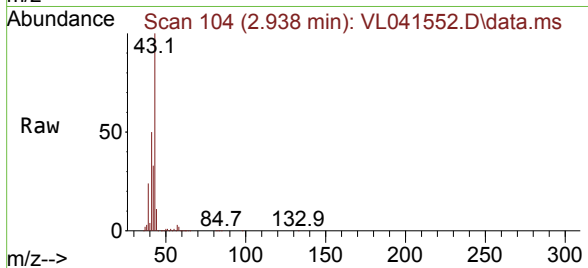




#5
 Vinyl Chloride
 Concen: 0.032 ppbv
 RT: 2.938 min Scan# 104
 Delta R.T. 0.000 min
 Lab File: VL041552.D
 Acq: 19 Aug 2024 17:56

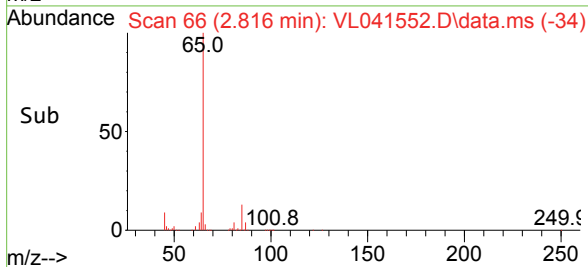
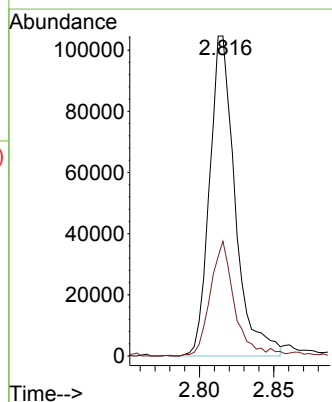
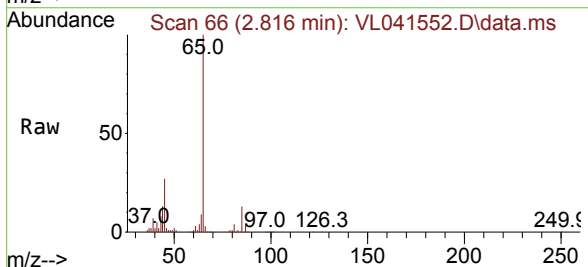
Instrument :
 MSVOA_L
 ClientSampleId :
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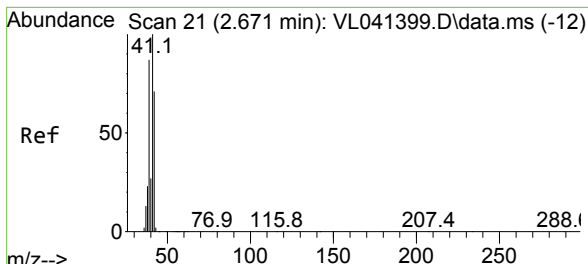
Tgt Ion: 62 Resp: 2094
 Ion Ratio Lower Upper
 62 100
 64 27.3 25.0 37.4



#7
 Chloroethane
 Concen: 5.530 ppbv
 RT: 2.816 min Scan# 66
 Delta R.T. -0.399 min
 Lab File: VL041552.D
 Acq: 19 Aug 2024 17:56

Tgt Ion: 64 Resp: 125465
 Ion Ratio Lower Upper
 64 100
 66 35.9 24.2 36.2

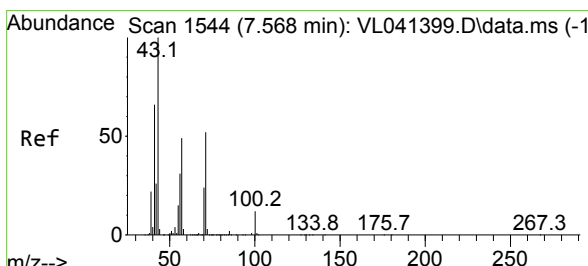
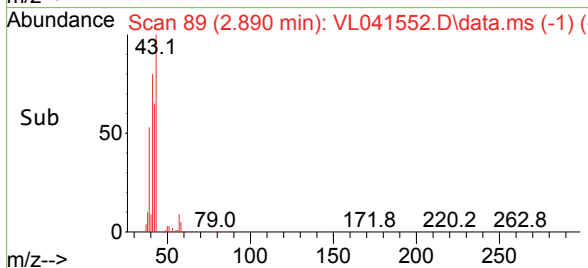
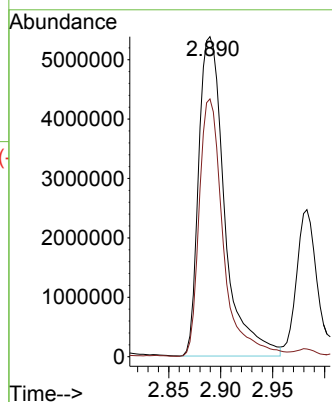
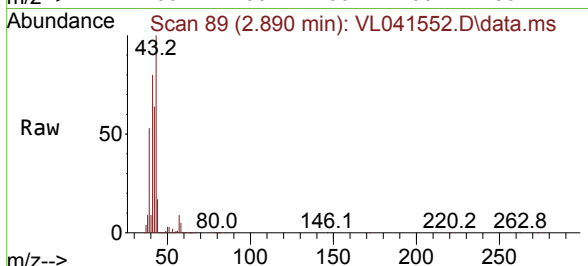




#9
 Propene
 Concen: 162.476 ppbv
 RT: 2.890 min Scan# 89
 Delta R.T. 0.177 min
 Lab File: VL041552.D
 Acq: 19 Aug 2024 17:56

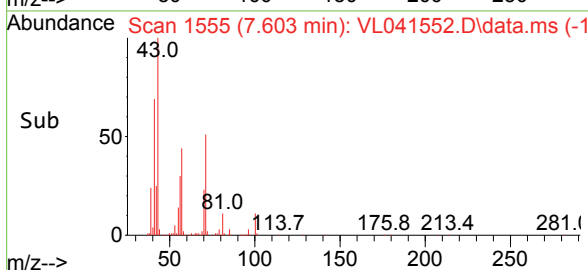
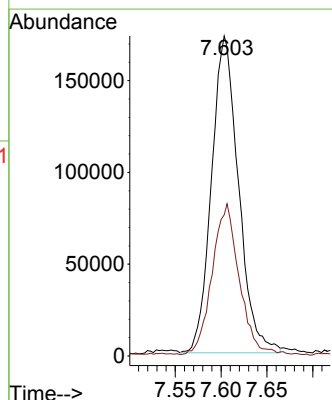
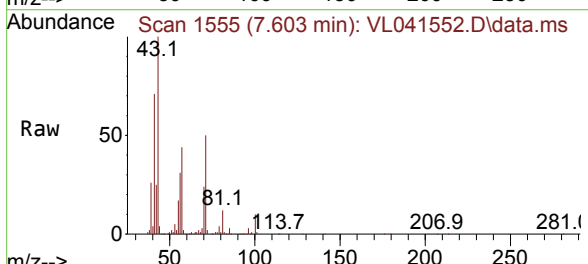
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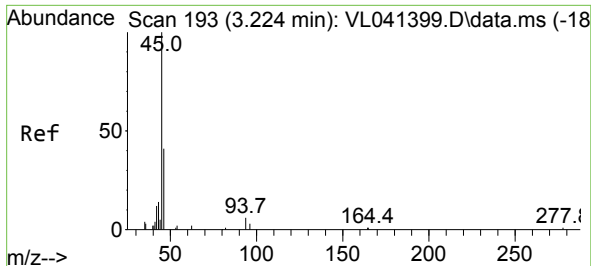
Tgt Ion: 41 Resp: 9360219
 Ion Ratio Lower Upper
 41 100
 42 74.7 55.9 83.9



#10
 Heptane
 Concen: 2.729 ppbv
 RT: 7.603 min Scan# 1555
 Delta R.T. 0.006 min
 Lab File: VL041552.D
 Acq: 19 Aug 2024 17:56

Tgt Ion: 43 Resp: 353296
 Ion Ratio Lower Upper
 43 100
 57 48.5 40.5 60.7

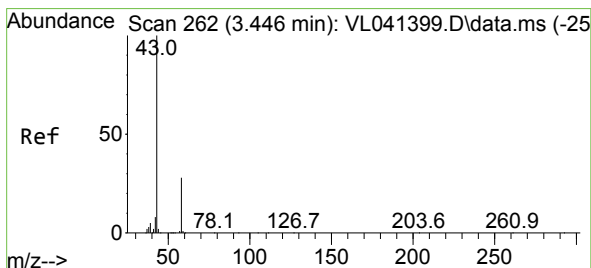
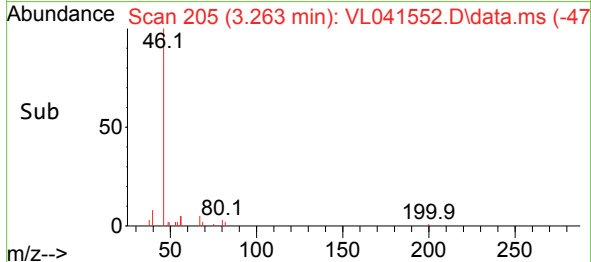
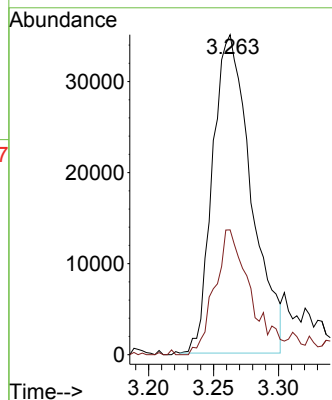
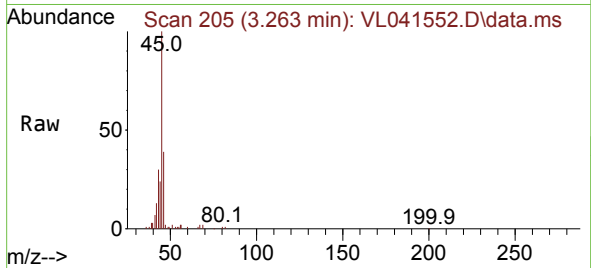




#13
 Ethanol
 Concen: 14.055 ppbv
 RT: 3.263 min Scan# 205
 Delta R.T. 0.006 min
 Lab File: VL041552.D
 Acq: 19 Aug 2024 17:56

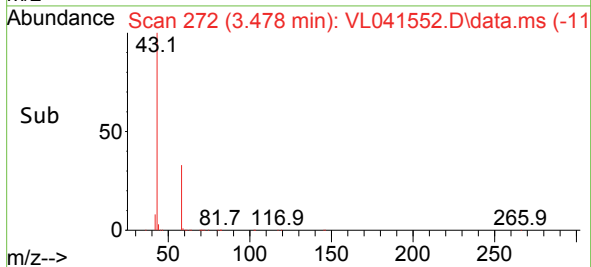
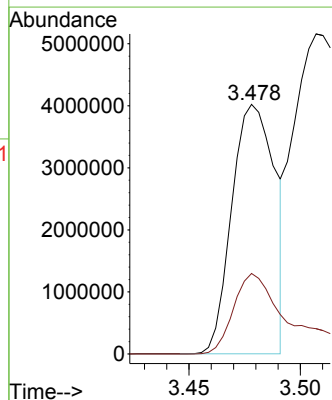
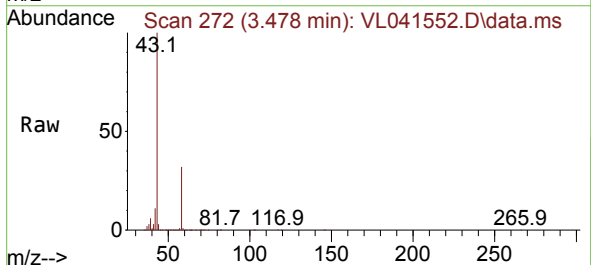
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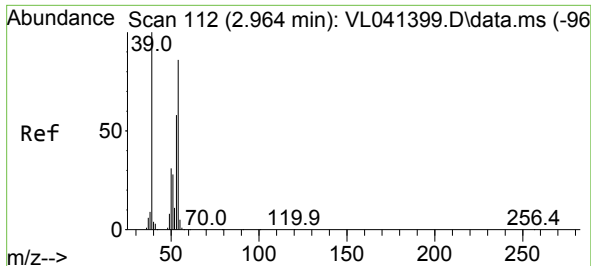
Tgt Ion: 45 Resp: 72367
 Ion Ratio Lower Upper
 45 100
 46 43.9 13.4 53.4



#15
 Acetone
 Concen: 45.276 ppbv
 RT: 3.478 min Scan# 272
 Delta R.T. -0.006 min
 Lab File: VL041552.D
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Tgt Ion: 43 Resp: 5419171
 Ion Ratio Lower Upper
 43 100
 58 45.3 21.4 32.2#

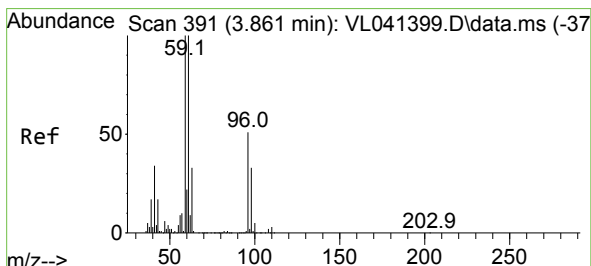
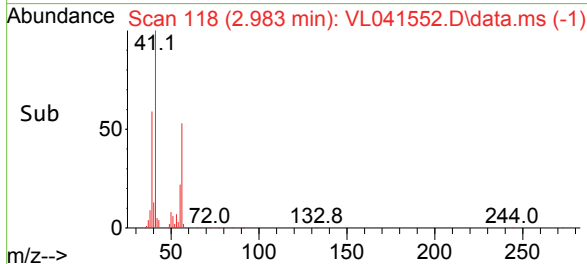
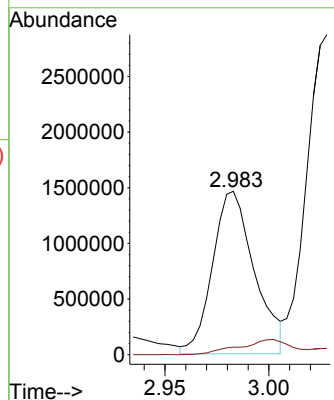
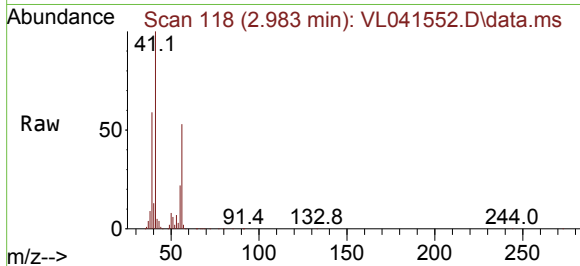




#16
1,3-Butadiene
Concen: 32.025 ppbv
RT: 2.983 min Scan# 112
Delta R.T. -0.019 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

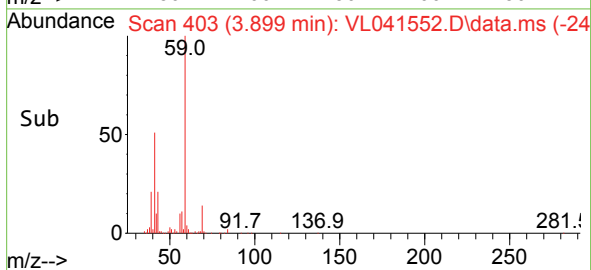
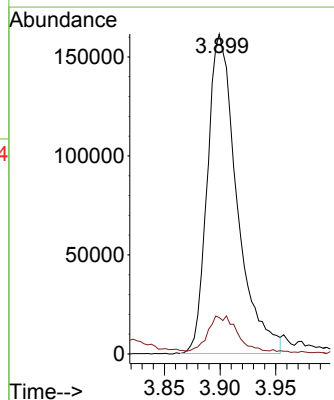
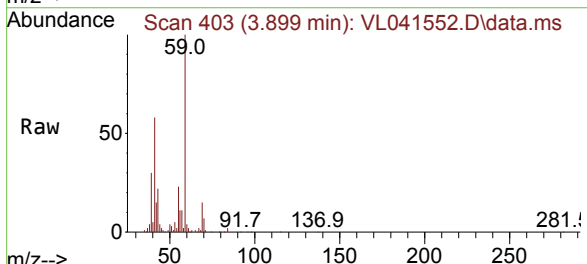
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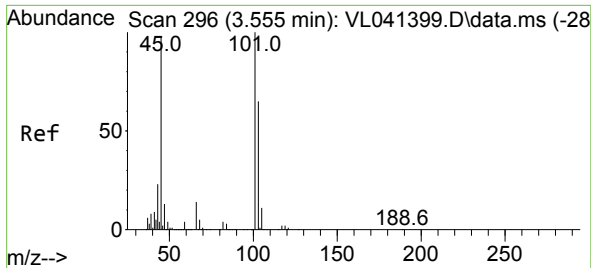
Tgt Ion: 39 Resp: 2047991
Ion Ratio Lower Upper
39 100
54 15.2 62.5 93.7#



#17
tert-Butyl alcohol
Concen: 2.732 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.006 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion: 59 Resp: 298223
Ion Ratio Lower Upper
59 100
57 301.3 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 2.779 ppbv

RT: 3.597 min Scan# 309

Delta R.T. 0.006 min

Lab File: VL041552.D

Acq: 19 Aug 2024 17:56

Instrument :

MSVOA_L

ClientSampleId :

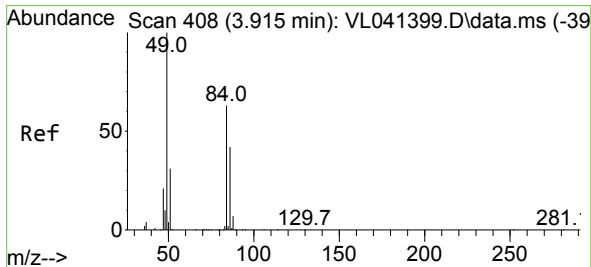
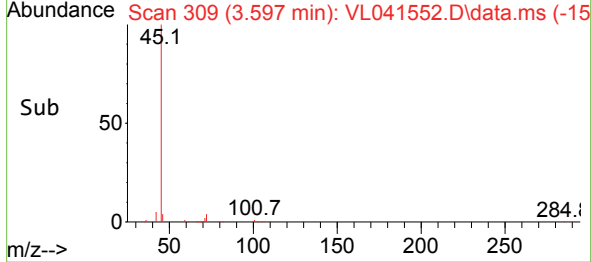
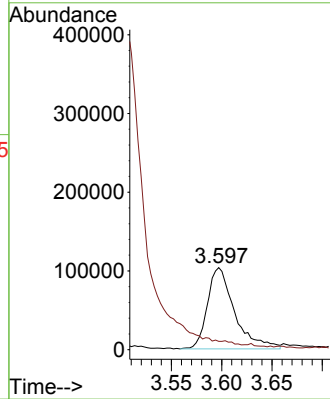
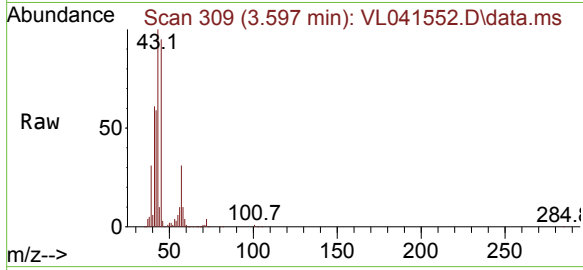
SV2

Tgt Ion: 45 Resp: 194438

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#



#20

Methylene Chloride

Concen: 0.715 ppbv

RT: 3.947 min Scan# 418

Delta R.T. -0.003 min

Lab File: VL041552.D

Acq: 19 Aug 2024 17:56

Tgt Ion: 84 Resp: 31907

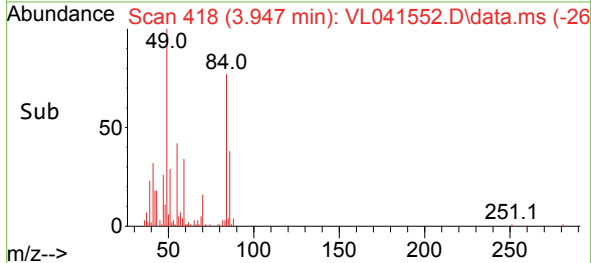
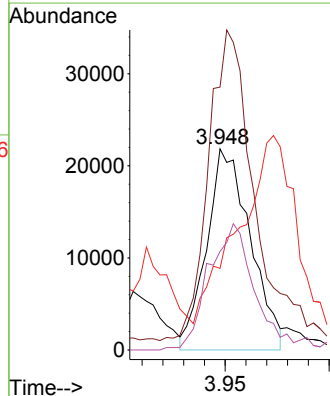
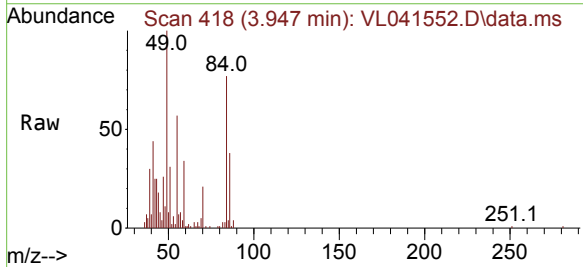
Ion Ratio Lower Upper

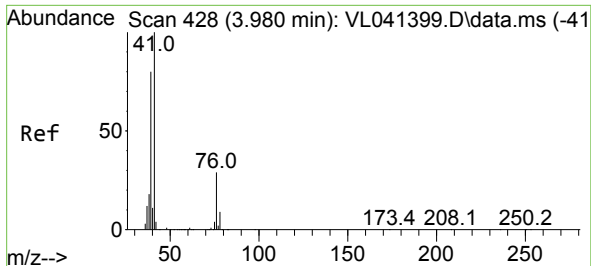
84 100

49 131.8 126.6 190.0

51 13.6 38.6 58.0#

86 51.0 53.0 79.4#

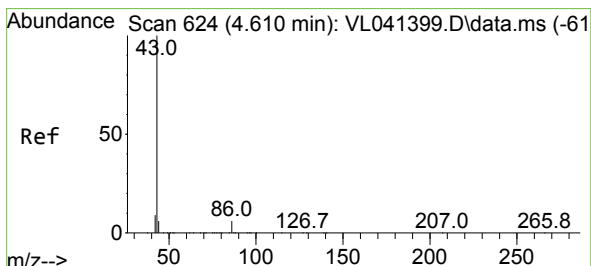
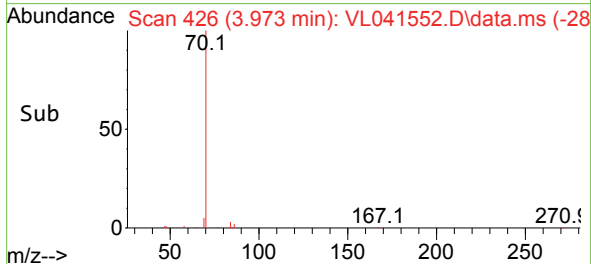
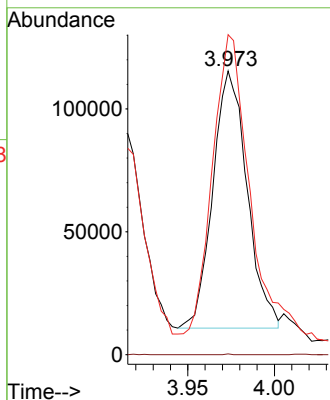
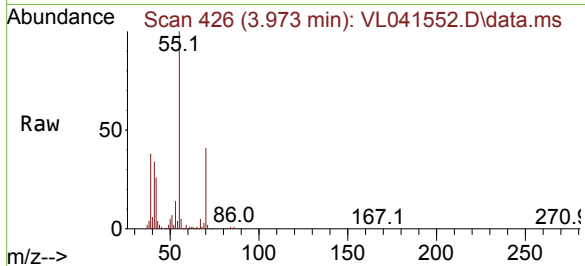




#21
Allyl Chloride
Concen: 1.832 ppbv
RT: 3.973 min Scan# 41
Delta R.T. -0.039 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

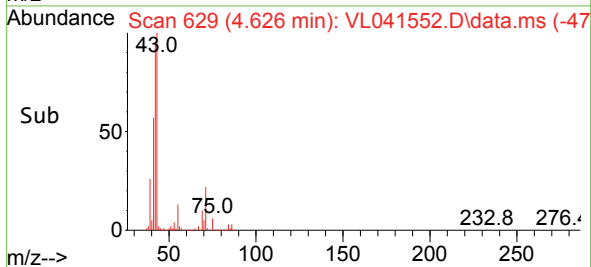
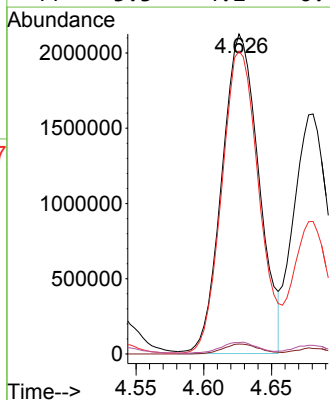
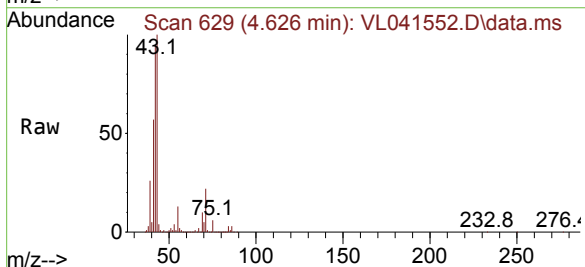
Instrument :
MSVOA_L
ClientSampleId :
SV2

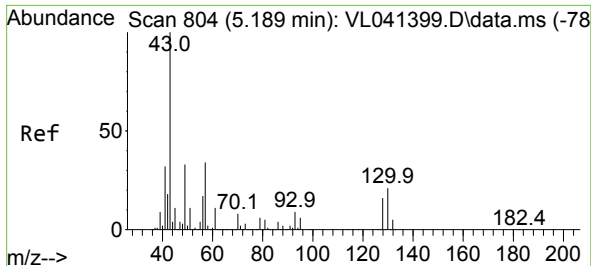
Tgt Ion: 41 Resp: 143767
Ion Ratio Lower Upper
41 100
76 0.0 23.7 35.5#
39 152.7 64.3 96.5#



#23
Vinyl Acetate
Concen: 44.091 ppbv
RT: 4.626 min Scan# 629
Delta R.T. -0.016 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion: 43 Resp: 4030551
Ion Ratio Lower Upper
43 100
86 3.1 4.6 6.8#
42 95.1 7.9 11.9#
44 3.3 4.2 6.4#

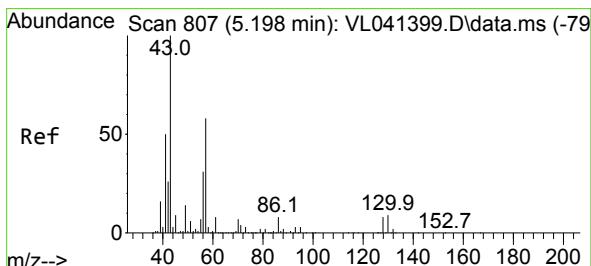
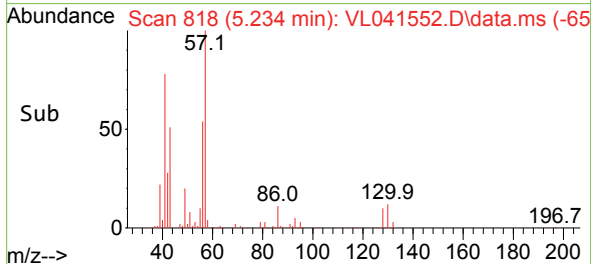
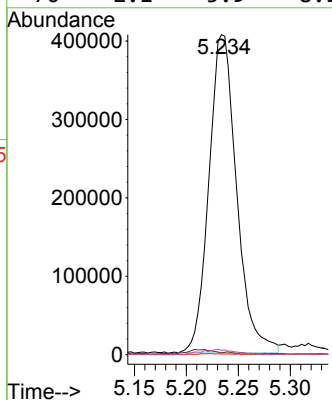
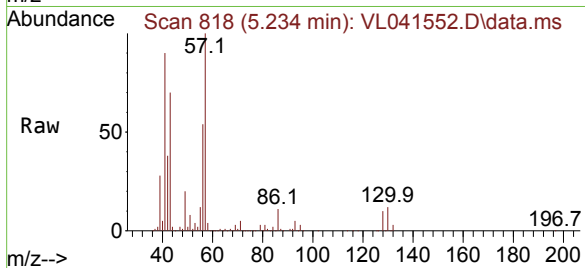




#25
Ethyl Acetate
Concen: 3.171 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.013 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

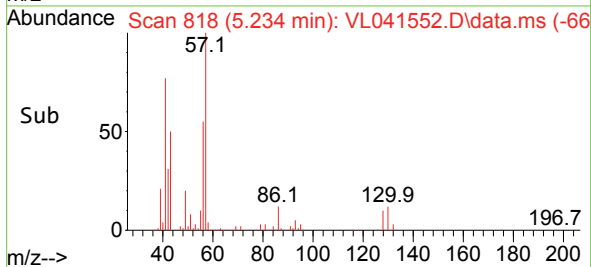
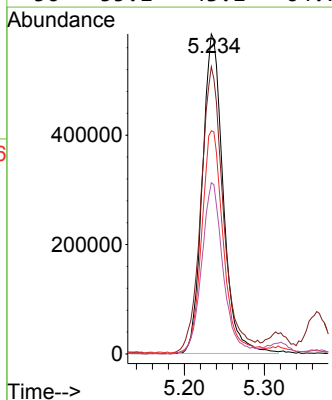
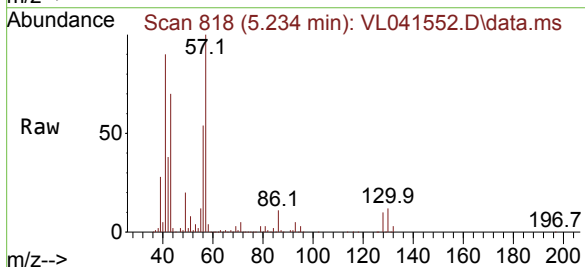
Instrument :
MSVOA_L
ClientSampleId :
SV2

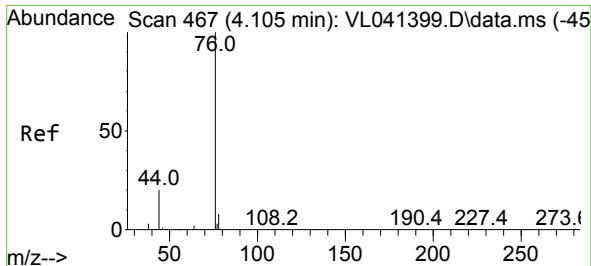
Tgt Ion: 43 Resp: 754106
Ion Ratio Lower Upper
43 100
45 1.8 8.5 12.7#
61 0.4 8.0 12.0#
70 2.1 5.9 8.9#



#26
Hexane
Concen: 10.739 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion: 57 Resp: 1059287
Ion Ratio Lower Upper
57 100
41 97.1 74.0 111.0
43 71.6 193.6 290.4#
56 55.1 43.1 64.7

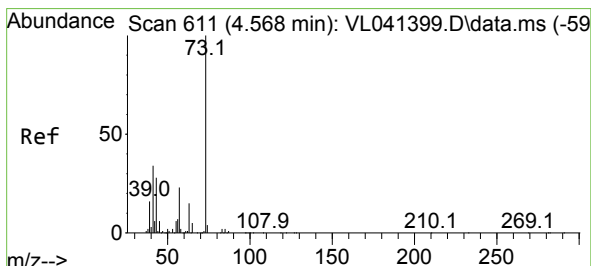
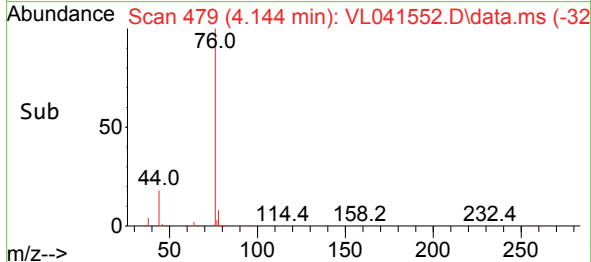
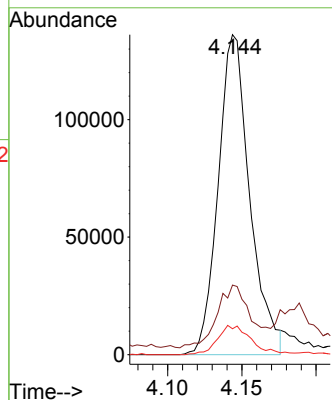
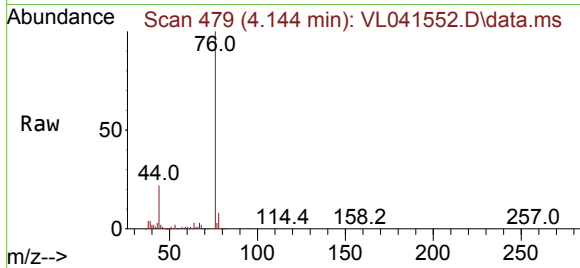




#27
Carbon Disulfide
Concen: 1.746 ppbv
RT: 4.144 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

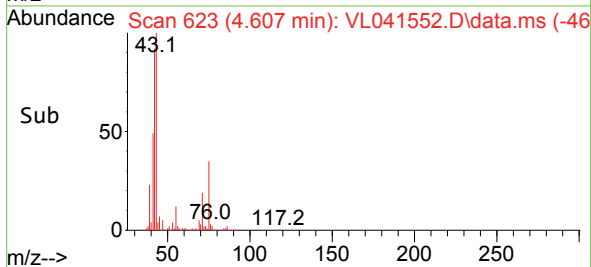
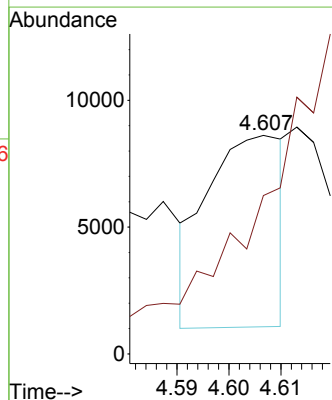
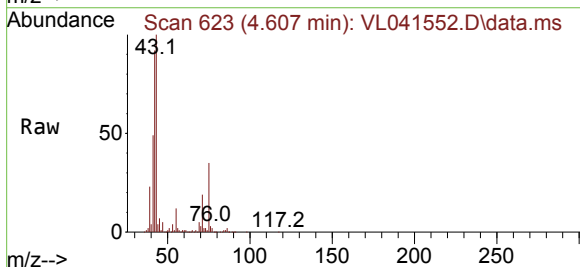
Instrument :
MSVOA_L
ClientSampleId :
SV2

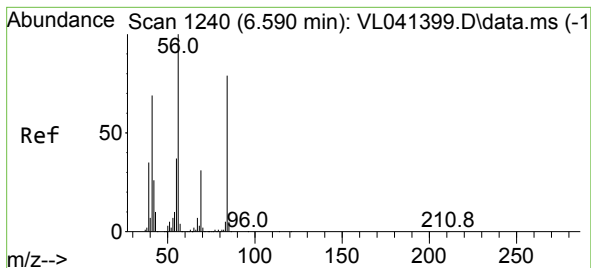
Tgt Ion: 76 Resp: 201525
Ion Ratio Lower Upper
76 100
44 20.6 15.6 23.4
78 10.3 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 0.123 ppbv
RT: 4.607 min Scan# 623
Delta R.T. 0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion: 73 Resp: 7657
Ion Ratio Lower Upper
73 100
57 0.0 18.9 28.3#





#30

Cyclohexane

Concen: 5.053 ppbv

RT: 6.626 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041552.D

Acq: 19 Aug 2024 17:56

Instrument :

MSVOA_L

ClientSampleId :

SV2

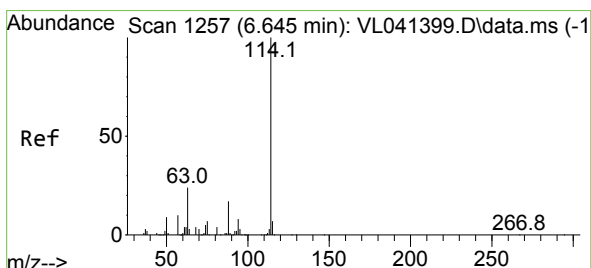
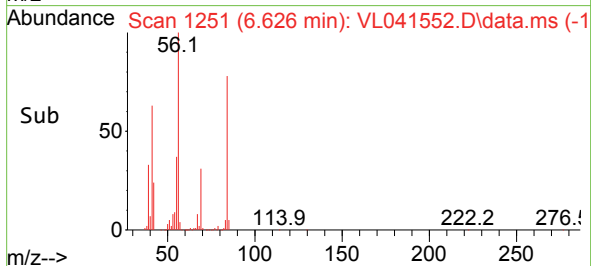
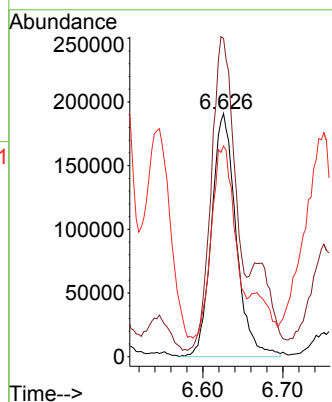
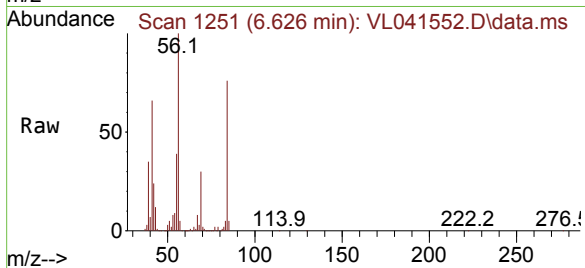
Tgt Ion: 84 Resp: 405898

Ion Ratio Lower Upper

84 100

56 157.2 111.2 166.8

41 99.2 70.3 105.5



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 1266

Delta R.T. 0.003 min

Lab File: VL041552.D

Acq: 19 Aug 2024 17:56

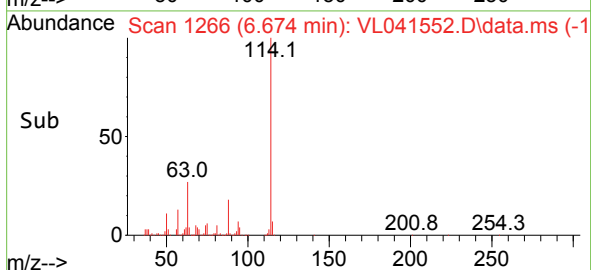
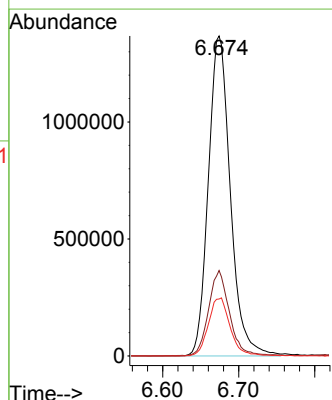
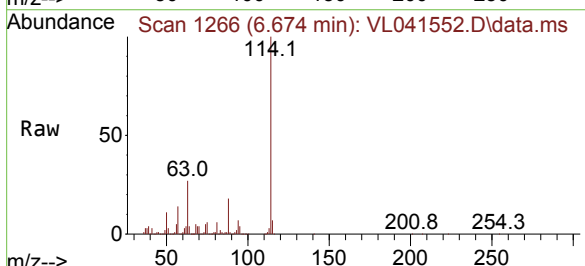
Tgt Ion: 114 Resp: 2751839

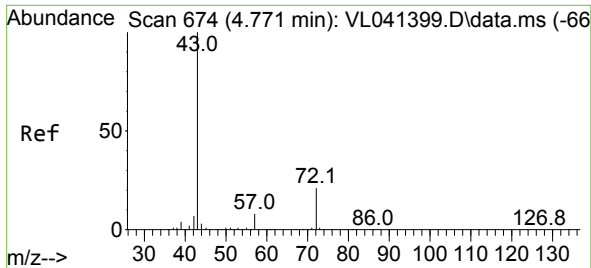
Ion Ratio Lower Upper

114 100

63 25.5 20.3 30.5

88 18.1 14.3 21.5

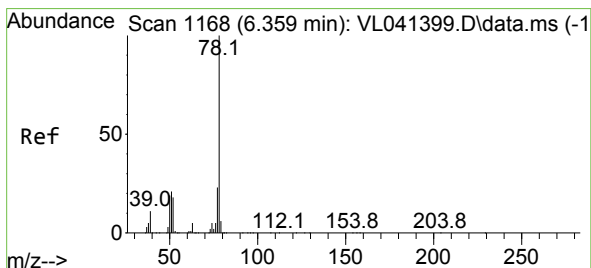
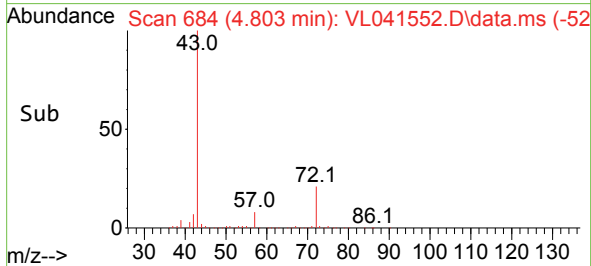
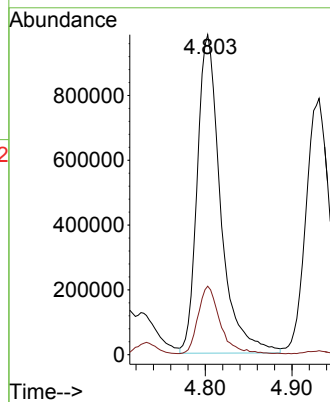
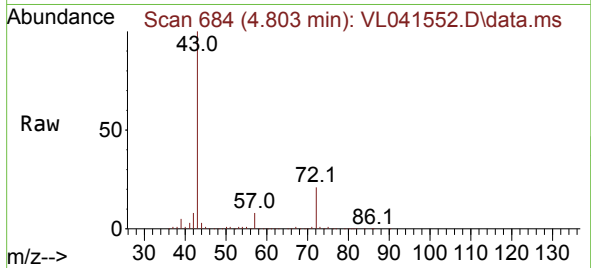




#34
2-Butanone
Concen: 13.813 ppbv
RT: 4.803 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

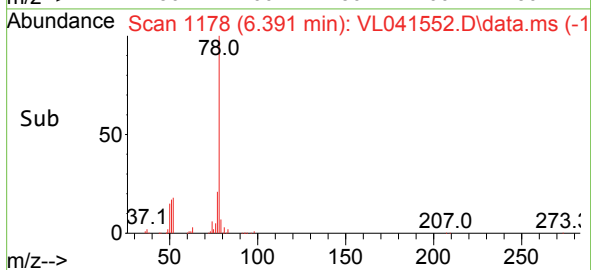
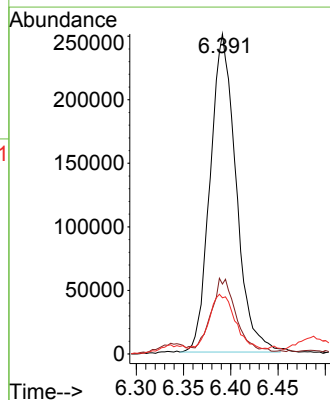
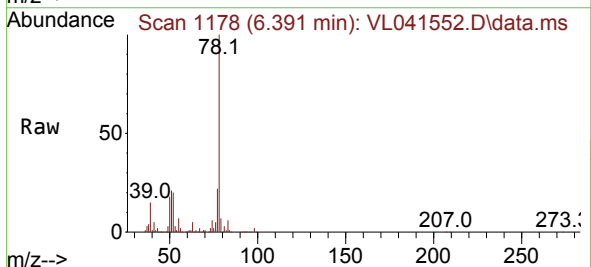
Instrument :
MSVOA_L
ClientSampleId :
SV2

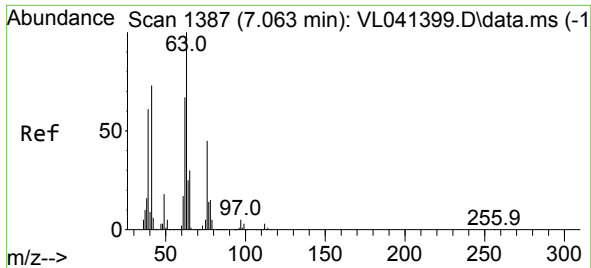
Tgt Ion: 43 Resp: 1838767
Ion Ratio Lower Upper
43 100
72 20.9 17.3 25.9



#36
Benzene
Concen: 2.371 ppbv
RT: 6.391 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion: 78 Resp: 476853
Ion Ratio Lower Upper
78 100
77 21.0 18.1 27.1
50 15.9 15.5 23.3





#39

1,2-Dichloropropane

Concen: 0.265 ppbv

RT: 6.938 min Scan# 11

Delta R.T. -0.158 min

Lab File: VL041552.D

Acq: 19 Aug 2024 17:56

Instrument :

MSVOA_L

ClientSampleId :

SV2

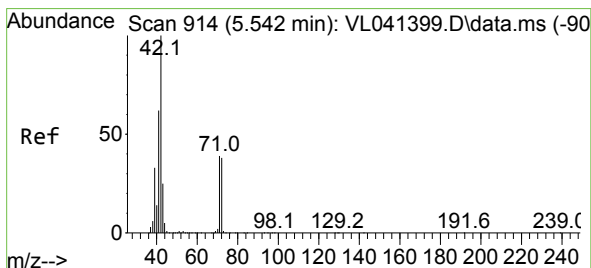
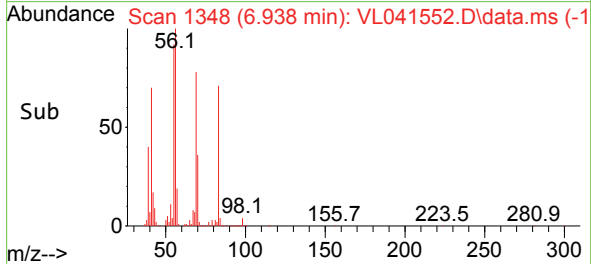
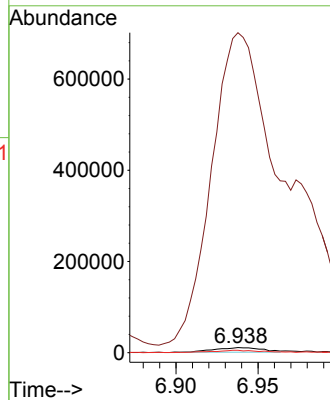
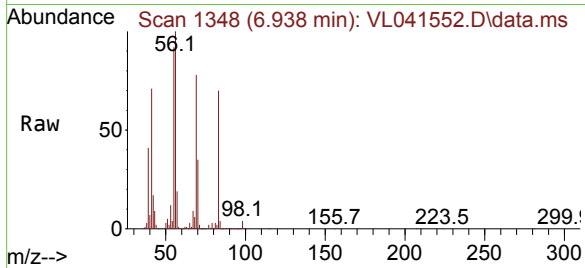
Tgt Ion: 63 Resp: 20414

Ion Ratio Lower Upper

63 100

41 6382.7 58.3 87.5#

62 43.8 53.9 80.9#



#41

Tetrahydrofuran

Concen: 0.431 ppbv

RT: 5.552 min Scan# 917

Delta R.T. -0.022 min

Lab File: VL041552.D

Acq: 19 Aug 2024 17:56

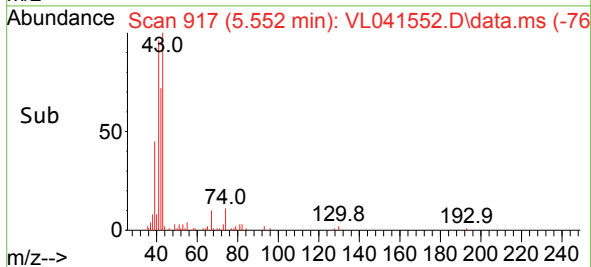
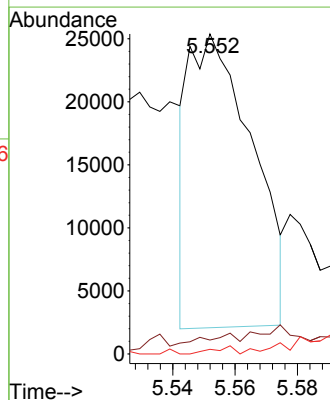
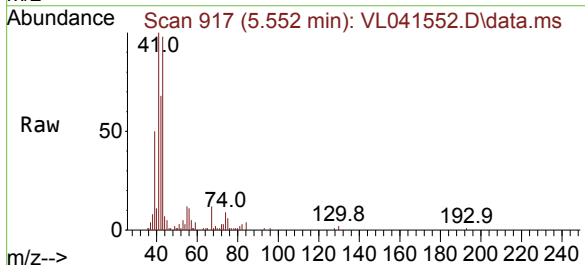
Tgt Ion: 42 Resp: 32802

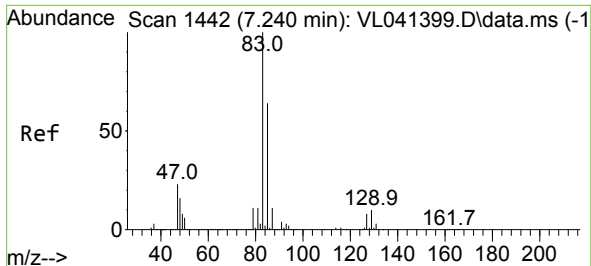
Ion Ratio Lower Upper

42 100

72 19.9 31.2 46.8#

71 6.9 30.5 45.7#

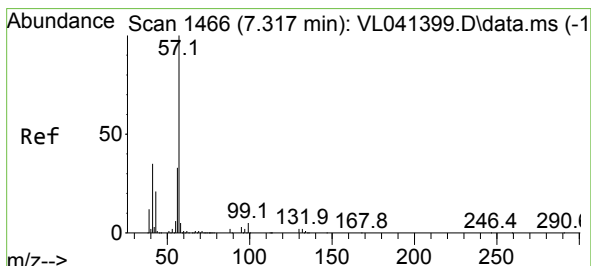
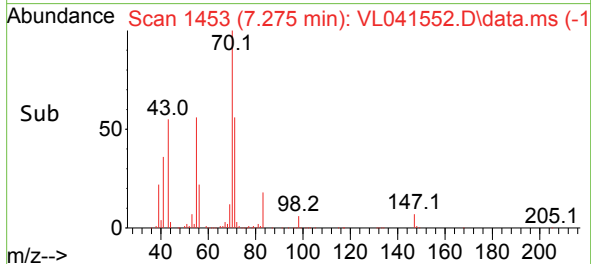
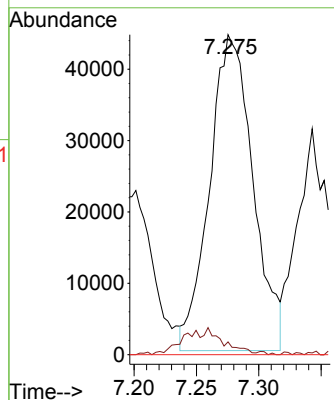
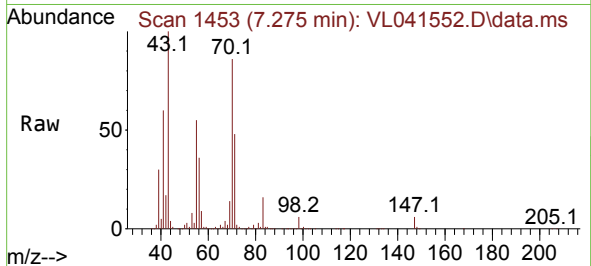




#42
Bromodichloromethane
Concen: 0.658 ppbv
RT: 7.275 min Scan# 1442
Delta R.T. 0.006 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

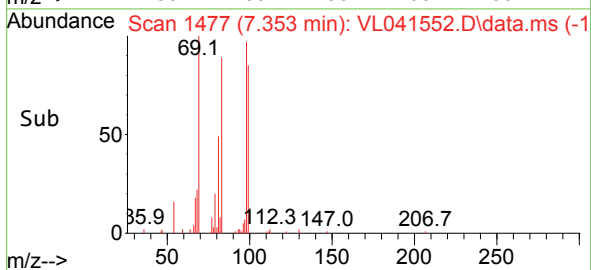
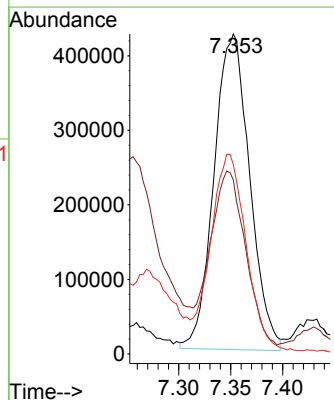
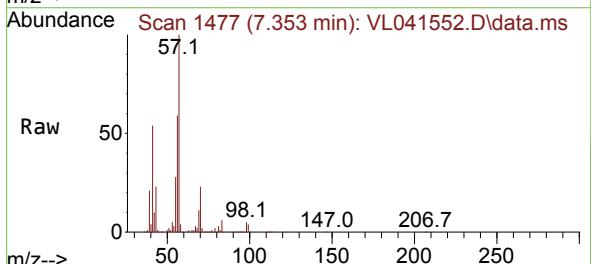
Instrument :
MSVOA_L
ClientSampleId :
SV2

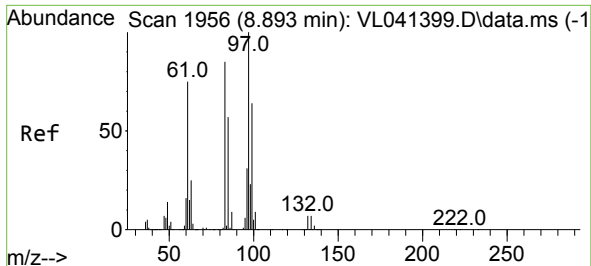
Tgt Ion: 83 Resp: 106989
Ion Ratio Lower Upper
83 100
85 4.4 51.4 77.0#
127 0.0 6.7 10.1#



#44
2,2,4-Trimethylpentane
Concen: 3.014 ppbv
RT: 7.353 min Scan# 1477
Delta R.T. 0.010 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion: 57 Resp: 1012300
Ion Ratio Lower Upper
57 100
41 59.5 27.0 40.6#
56 64.7 25.2 37.8#

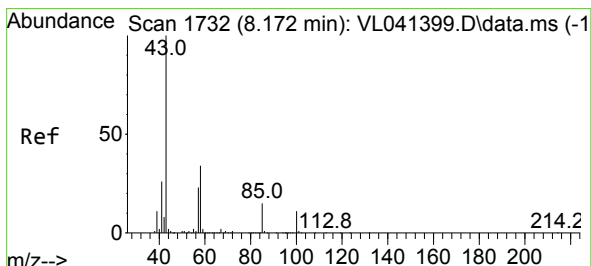
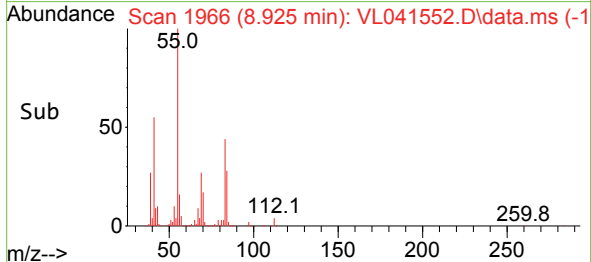
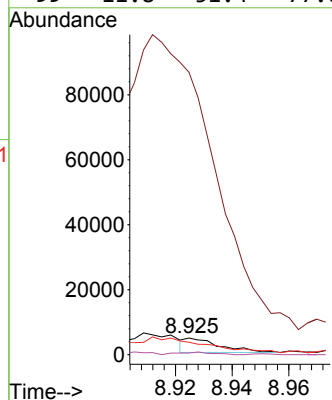
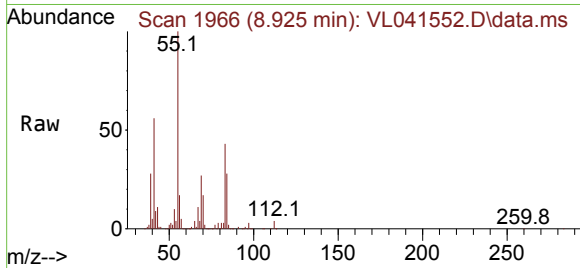




#47
 1,1,2-Trichloroethane
 Concen: 0.044 ppbv
 RT: 8.925 min Scan# 1956
 Delta R.T. 0.006 min
 Lab File: VL041552.D
 Acq: 19 Aug 2024 17:56

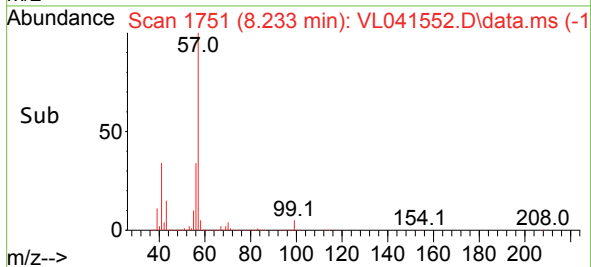
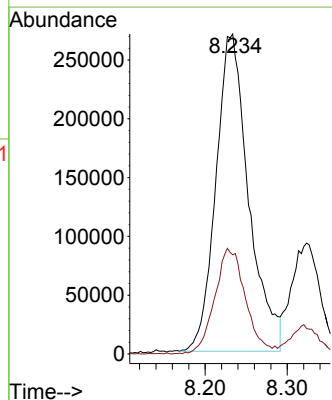
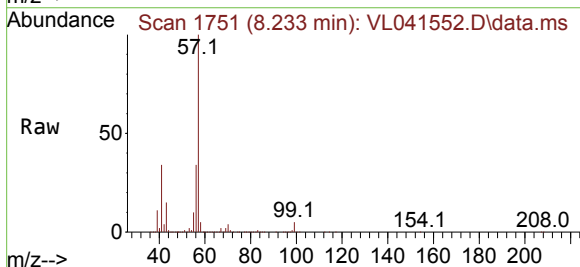
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

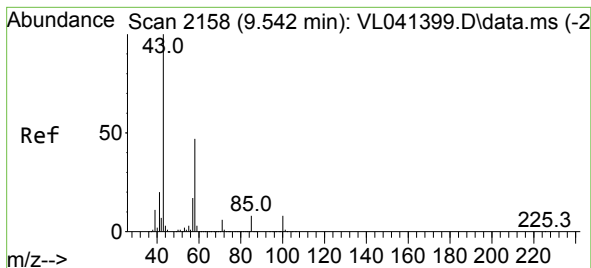
Tgt Ion: 97 Resp: 3728
 Ion Ratio Lower Upper
 97 100
 83 1672.9 67.6 101.4#
 85 73.4 45.9 68.9#
 99 11.8 51.4 77.0#



#50
 4-Methyl-2-Pentanone
 Concen: 3.567 ppbv
 RT: 8.233 min Scan# 1751
 Delta R.T. 0.035 min
 Lab File: VL041552.D
 Acq: 19 Aug 2024 17:56

Tgt Ion: 43 Resp: 749221
 Ion Ratio Lower Upper
 43 100
 58 31.3 27.9 41.9





#51

2-Hexanone

Concen: 2.886 ppbv

RT: 9.571 min Scan# 2158

Delta R.T. 0.000 min

Lab File: VL041552.D

Acq: 19 Aug 2024 17:56

Instrument :

MSVOA_L

ClientSampleId :

SV2

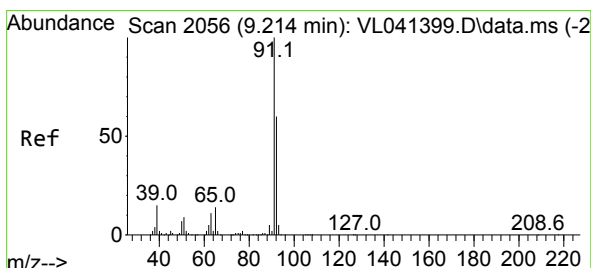
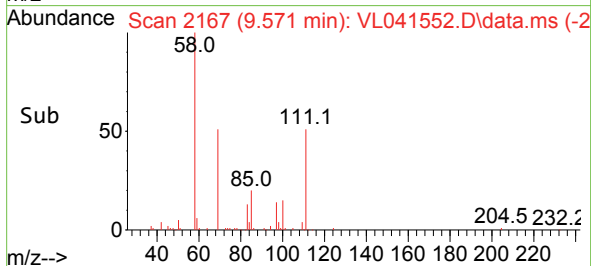
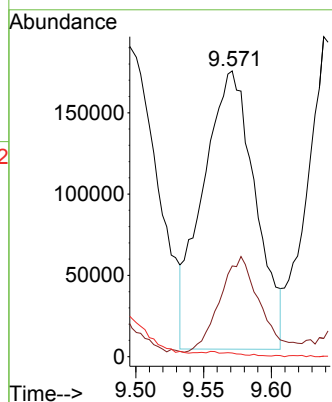
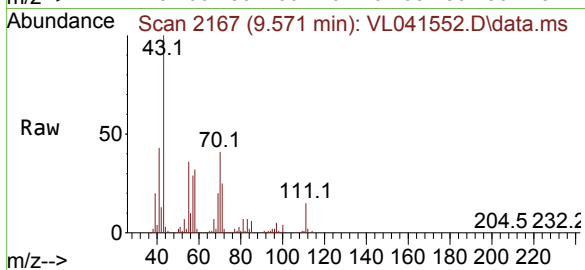
Tgt Ion: 43 Resp: 458305

Ion Ratio Lower Upper

43 100

58 25.4 38.2 57.2#

98 1.6 0.3 0.5#



#53

Toluene

Concen: 3.764 ppbv

RT: 9.246 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VL041552.D

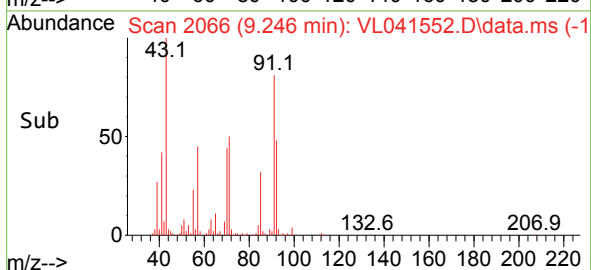
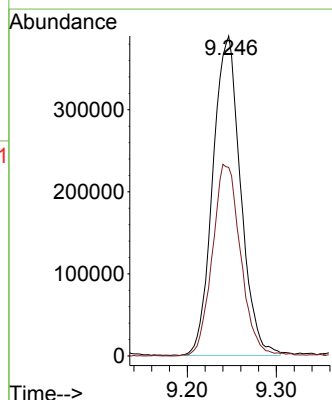
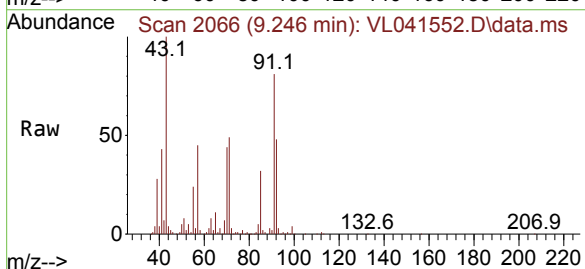
Acq: 19 Aug 2024 17:56

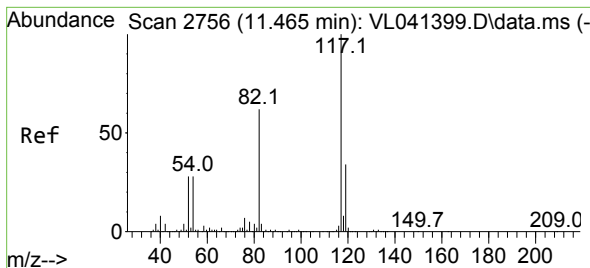
Tgt Ion: 91 Resp: 843001

Ion Ratio Lower Upper

91 100

92 61.1 48.7 73.1

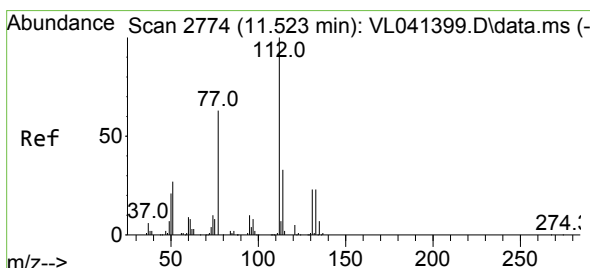
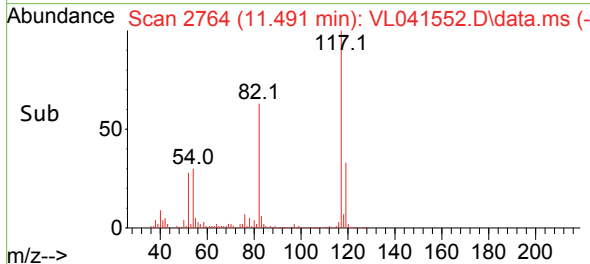
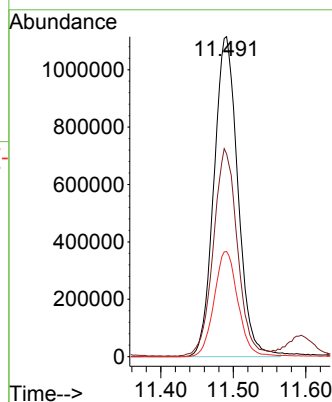
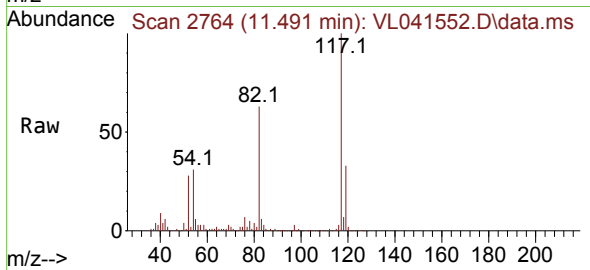




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

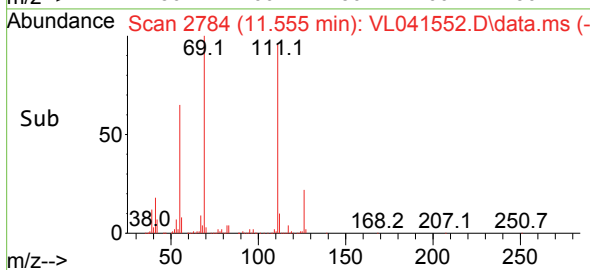
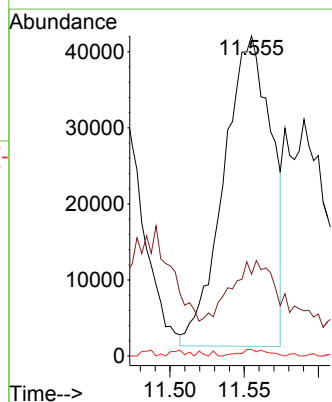
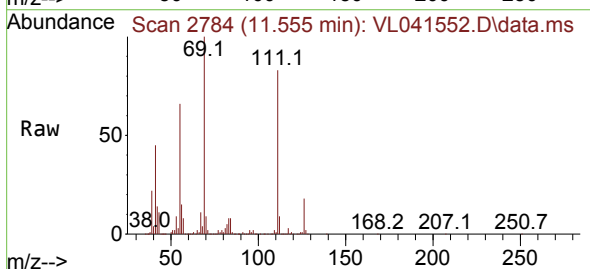
Instrument :
MSVOA_L
ClientSampleId :
SV2

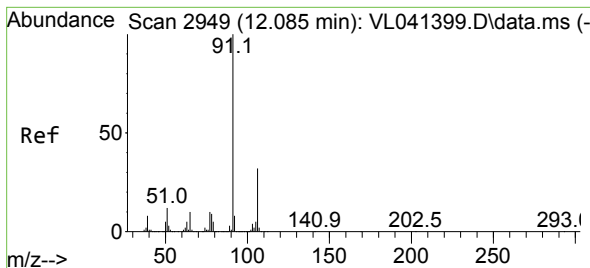
Tgt Ion:117 Resp: 2561332
Ion Ratio Lower Upper
117 100
82 64.9 51.0 76.6
119 33.2 45.2 67.8#



#57
Chlorobenzene
Concen: 0.500 ppbv
RT: 11.555 min Scan# 2784
Delta R.T. 0.010 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion:112 Resp: 91265
Ion Ratio Lower Upper
112 100
77 10.5 51.1 76.7#
114 1.7 29.5 36.1#

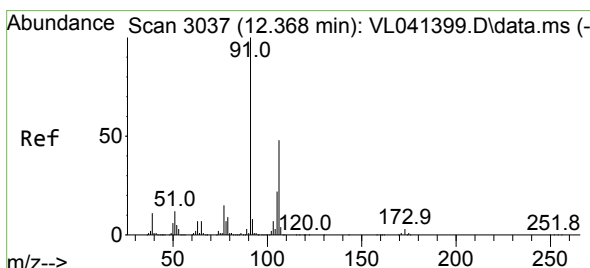
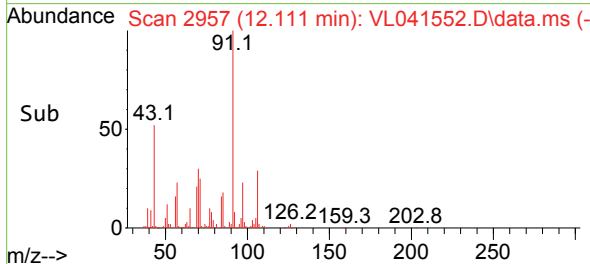
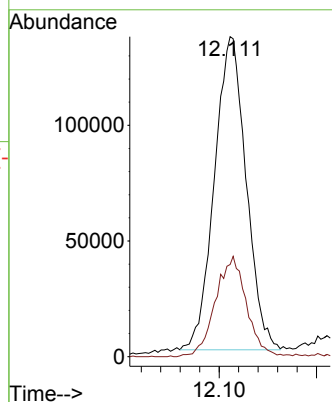
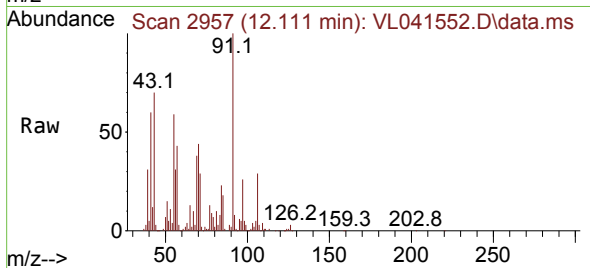




#58
Ethyl Benzene
Concen: 1.037 ppbv
RT: 12.111 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

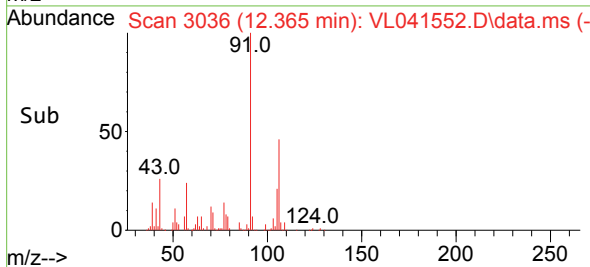
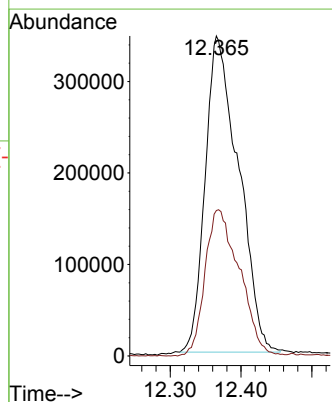
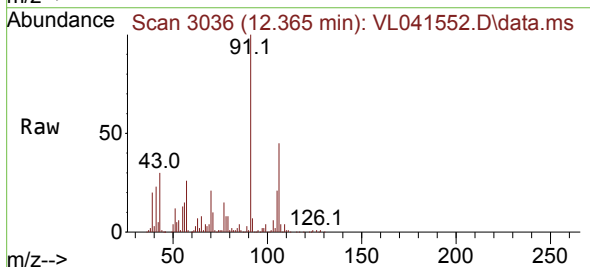
Instrument :
MSVOA_L
ClientSampleId :
SV2

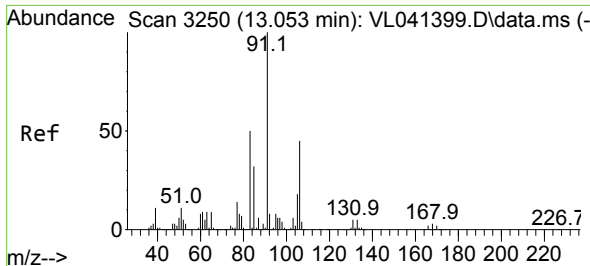
Tgt Ion: 91 Resp: 306218
Ion Ratio Lower Upper
91 100
106 29.2 25.8 38.8



#59
m/p-Xylene
Concen: 4.423 ppbv
RT: 12.365 min Scan# 3036
Delta R.T. -0.029 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion: 91 Resp: 1127079
Ion Ratio Lower Upper
91 100
106 48.1 36.3 54.5

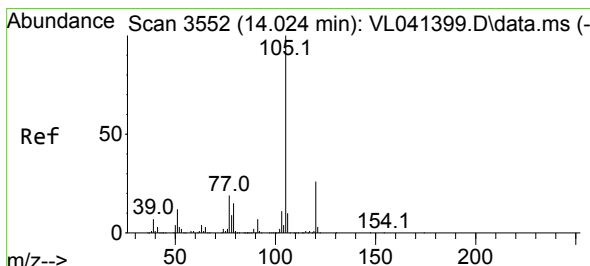
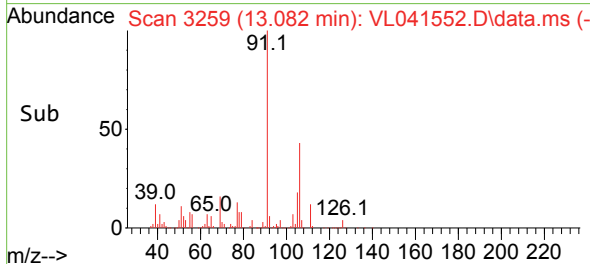
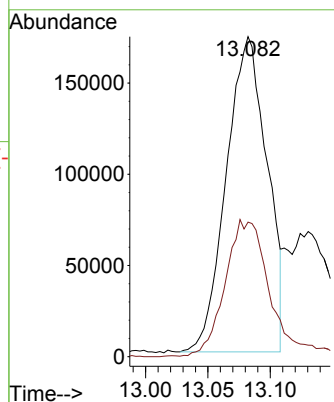
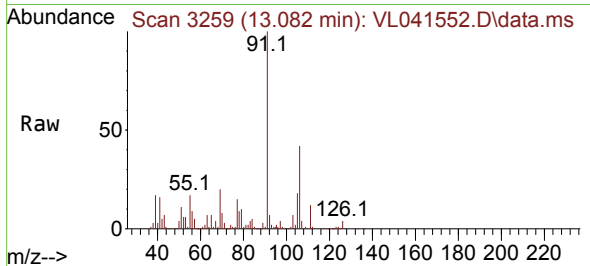




#60
o-Xylene
Concen: 1.627 ppbv
RT: 13.082 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

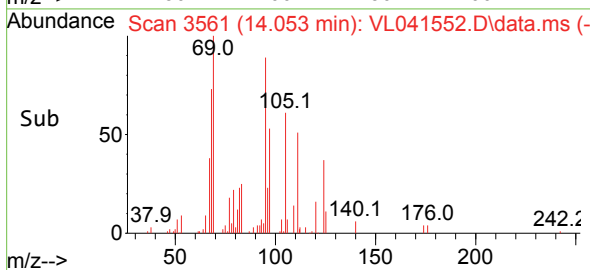
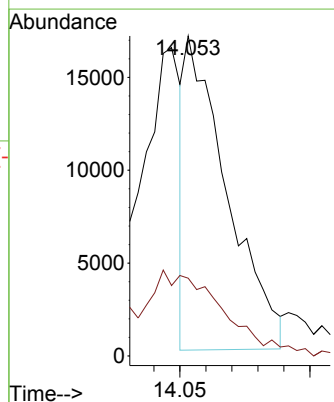
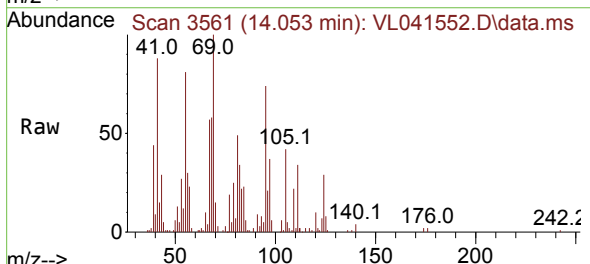
Instrument :
MSVOA_L
ClientSampleId :
SV2

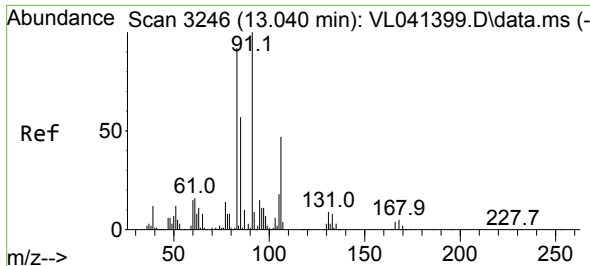
Tgt Ion: 91 Resp: 392141
Ion Ratio Lower Upper
91 100
106 48.6 23.1 69.3



#62
Isopropylbenzene
Concen: 0.052 ppbv
RT: 14.053 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion: 105 Resp: 18992
Ion Ratio Lower Upper
105 100
120 0.0 21.0 31.4#

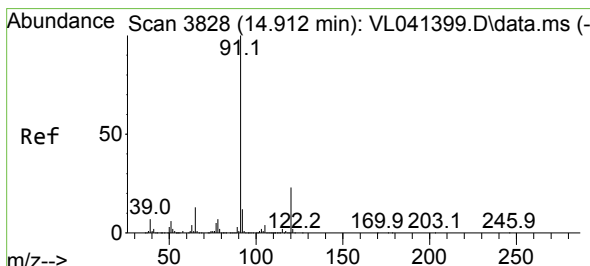
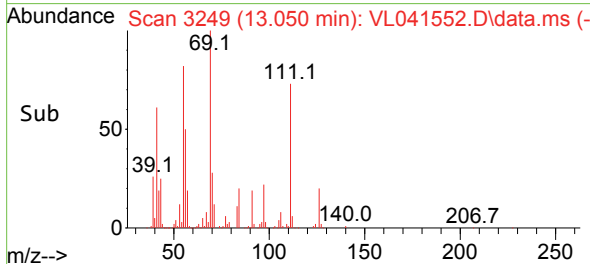
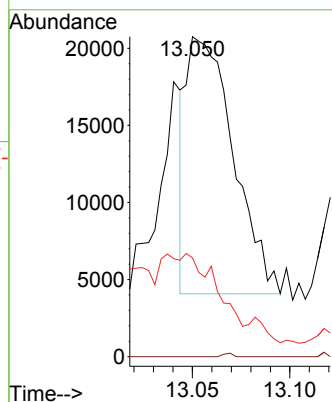
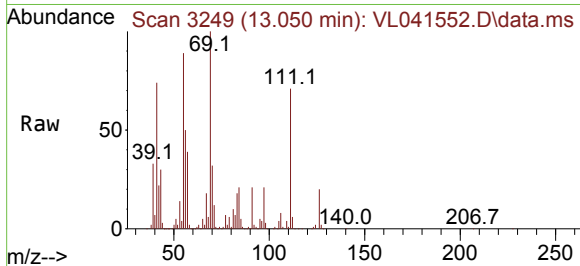




#63
1,1,2,2-Tetrachloroethane
Concen: 0.184 ppbv
RT: 13.050 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

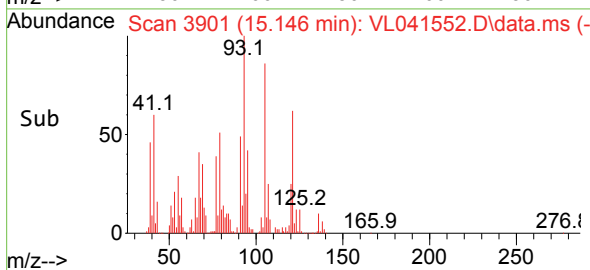
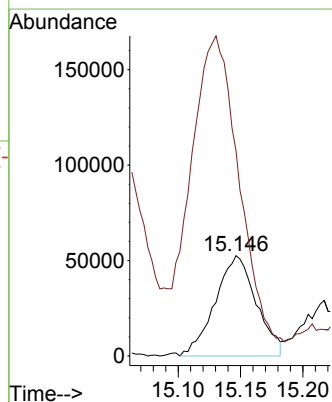
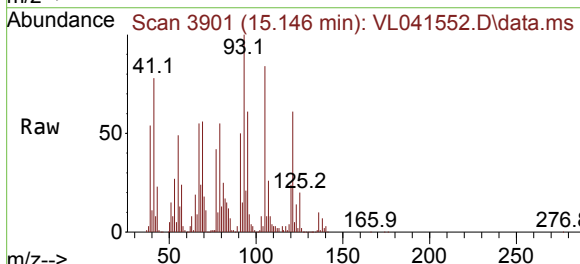
Instrument :
MSVOA_L
ClientSampleId :
SV2

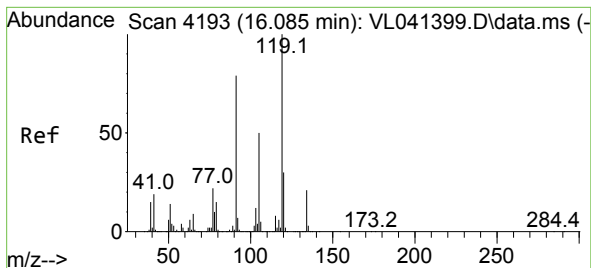
Tgt Ion: 83 Resp: 28047
Ion Ratio Lower Upper
83 100
131 0.3 4.8 14.4#
85 47.8 32.6 98.0



#64
n-propylbenzene
Concen: 1.261 ppbv
RT: 15.146 min Scan# 3901
Delta R.T. 0.209 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion:120 Resp: 120858
Ion Ratio Lower Upper
120 100
91 371.0 361.4 542.0





#65

tert-Butylbenzene

Concen: 0.075 ppbv

RT: 16.114 min Scan# 4193

Delta R.T. 0.003 min

Lab File: VL041552.D

Acq: 19 Aug 2024 17:56

Instrument :

MSVOA_L

ClientSampleId :

SV2

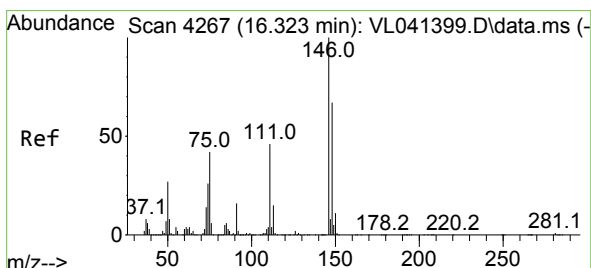
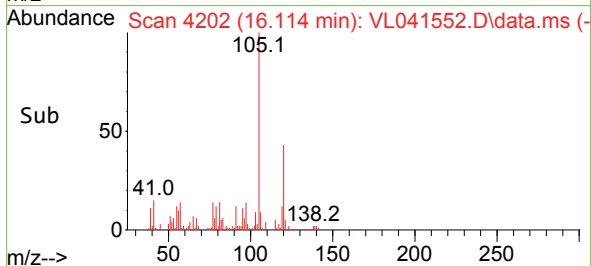
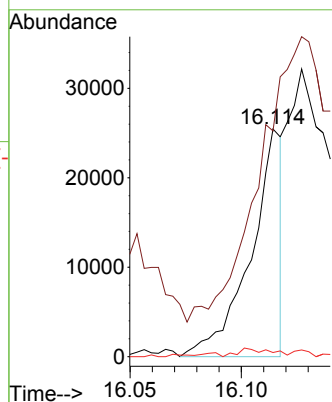
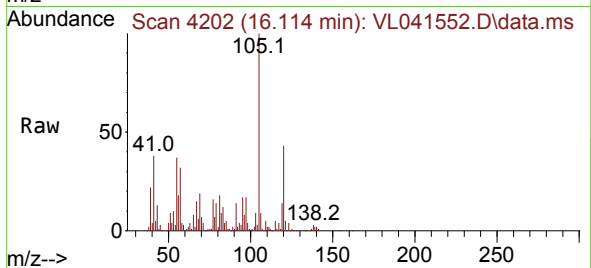
Tgt Ion:119 Resp: 24921

Ion Ratio Lower Upper

119 100

91 0.0 64.2 96.2#

134 8.4 15.7 23.5#



#66

Benzyl Chloride

Concen: 0.056 ppbv

RT: 16.359 min Scan# 4278

Delta R.T. 0.013 min

Lab File: VL041552.D

Acq: 19 Aug 2024 17:56

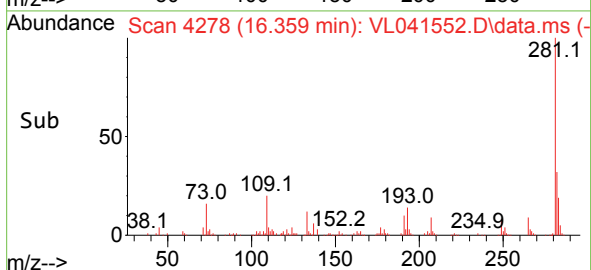
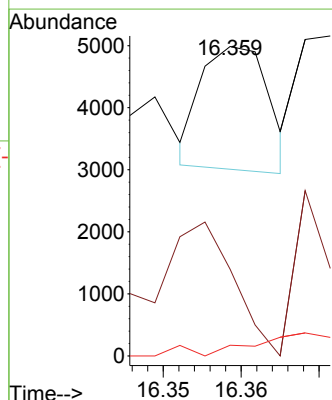
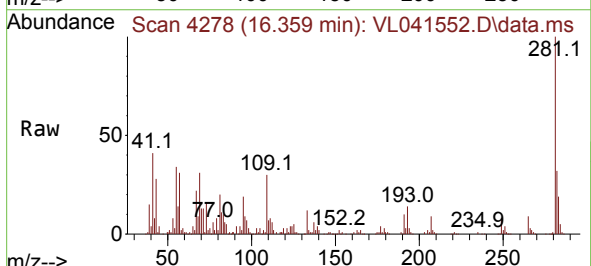
Tgt Ion: 91 Resp: 1184

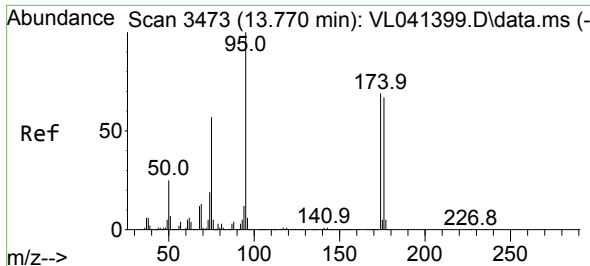
Ion Ratio Lower Upper

91 100

126 111.2 13.8 20.8#

128 0.0 4.4 6.6#

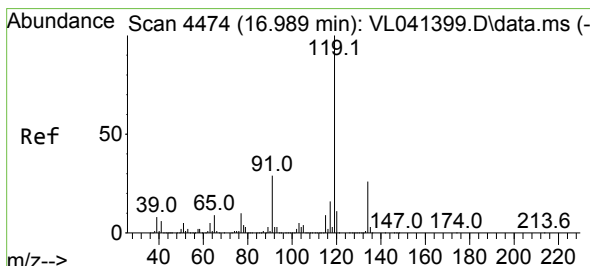
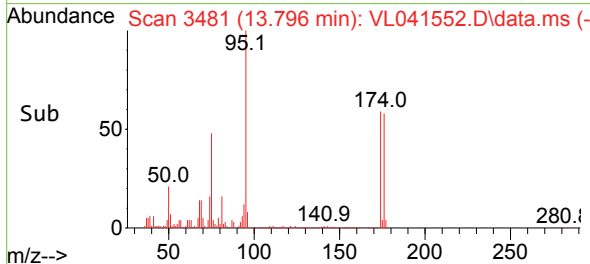
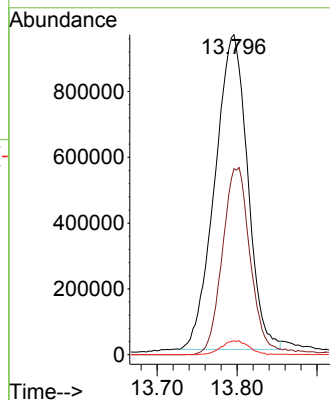
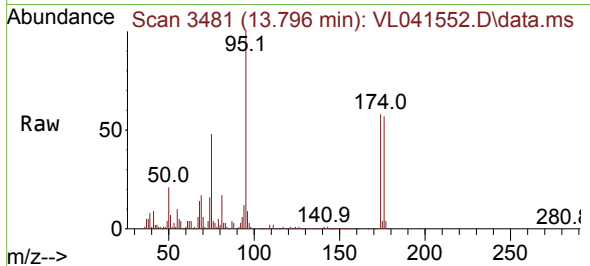




#68
1-Bromo-4-Fluorobenzene
Concen: 13.787 ppbv
RT: 13.796 min Scan# 3473
Delta R.T. -0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

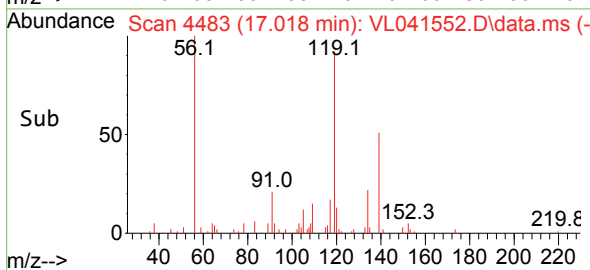
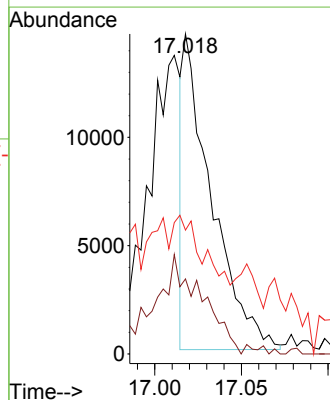
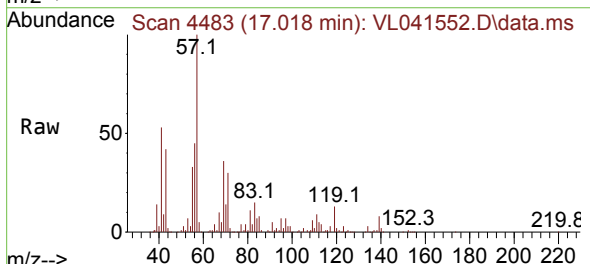
Instrument :
MSVOA_L
ClientSampleId :
SV2

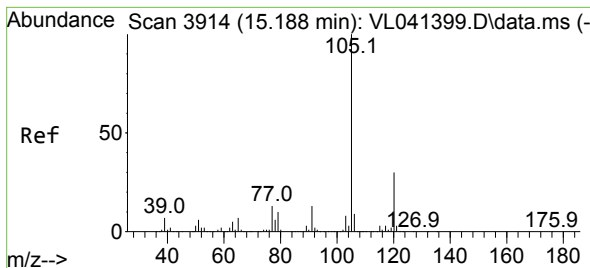
Tgt Ion: 95 Resp: 2717582
Ion Ratio Lower Upper
95 100
174 52.6 56.3 84.5#
175 3.8 4.0 6.0#



#69
p-Isopropyltoluene
Concen: 0.044 ppbv
RT: 17.018 min Scan# 4483
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion: 119 Resp: 16509
Ion Ratio Lower Upper
119 100
134 0.0 20.5 30.7#
91 0.0 23.2 34.8#





#72

4-Ethyltoluene

Concen: 0.702 ppbv

RT: 15.214 min Scan# 3914

Delta R.T. 0.000 min

Lab File: VL041552.D

Acq: 19 Aug 2024 17:56

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion:105 Resp: 199364

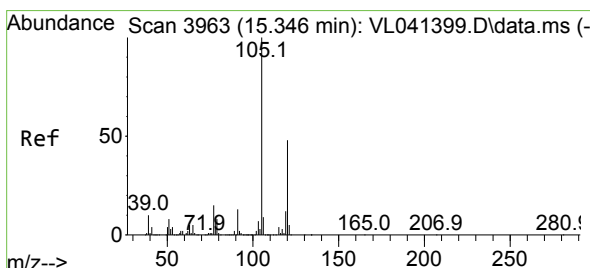
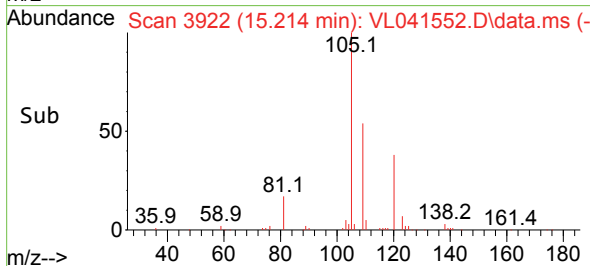
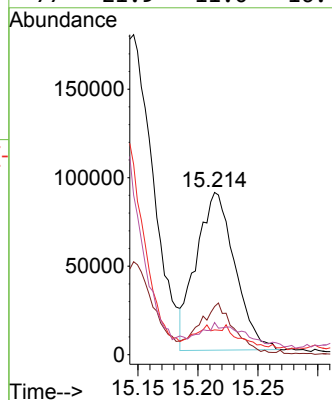
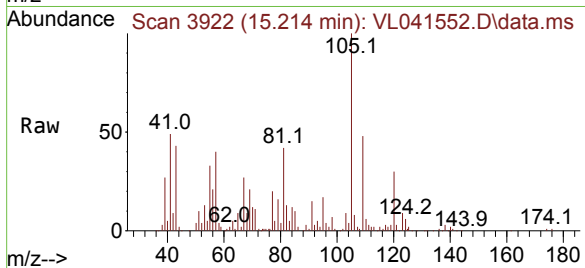
Ion Ratio Lower Upper

105 100

120 31.4 24.2 36.2

91 16.5 10.4 15.6#

77 21.9 11.0 16.4#



#73

1,3,5-Trimethylbenzene

Concen: 0.587 ppbv

RT: 15.371 min Scan# 3971

Delta R.T. 0.000 min

Lab File: VL041552.D

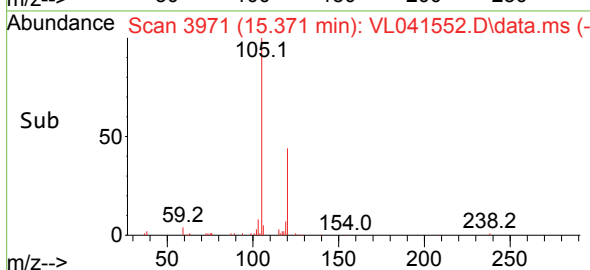
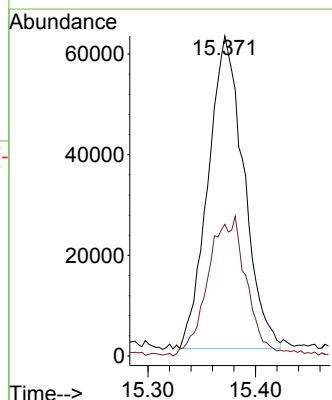
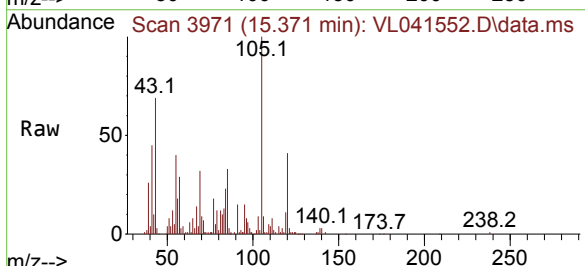
Acq: 19 Aug 2024 17:56

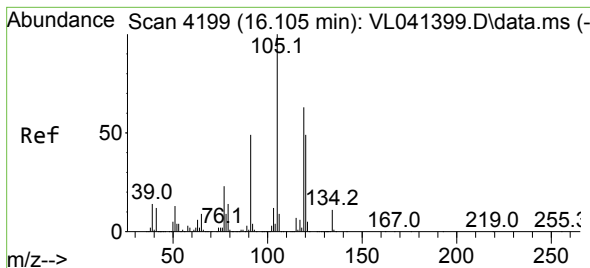
Tgt Ion:105 Resp: 143451

Ion Ratio Lower Upper

105 100

120 39.8 38.6 57.8





#74

1,2,4-Trimethylbenzene

Concen: 2.249 ppbv

RT: 16.130 min Scan# 4199

Delta R.T. 0.003 min

Lab File: VL041552.D

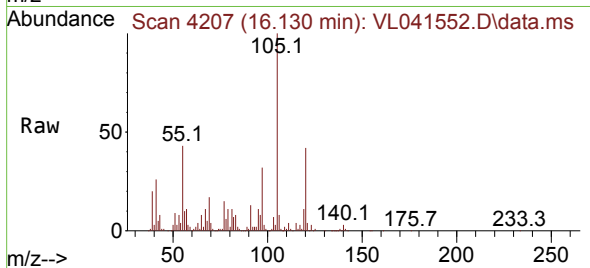
Acq: 19 Aug 2024 17:56

Instrument :

MSVOA_L

ClientSampleId :

SV2



Tgt Ion:105 Resp: 639297

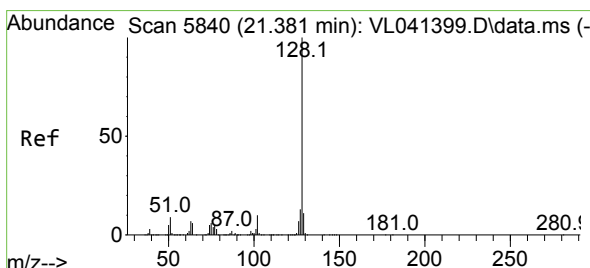
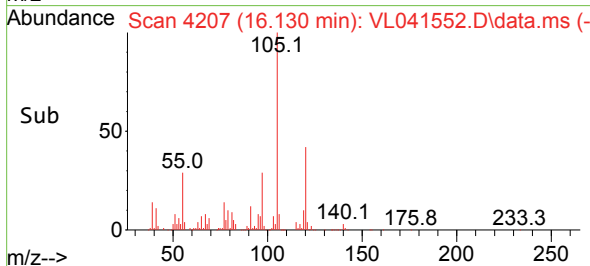
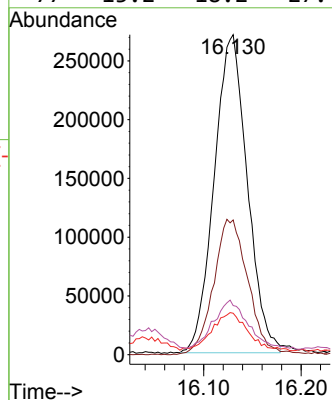
Ion Ratio Lower Upper

105 100

120 41.7 39.5 59.3

91 11.6 39.8 59.8#

77 13.2 18.2 27.4#



#79

Naphthalene

Concen: 0.060 ppbv

RT: 21.426 min Scan# 5854

Delta R.T. 0.016 min

Lab File: VL041552.D

Acq: 19 Aug 2024 17:56

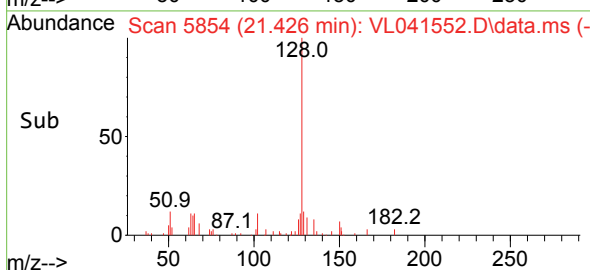
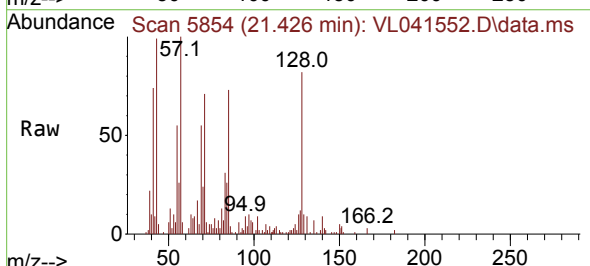
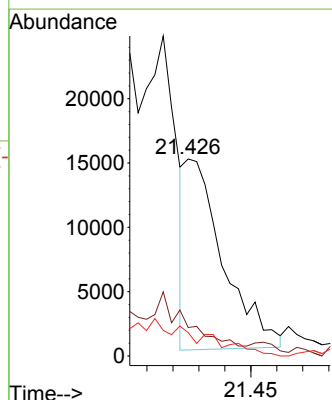
Tgt Ion:128 Resp: 15075

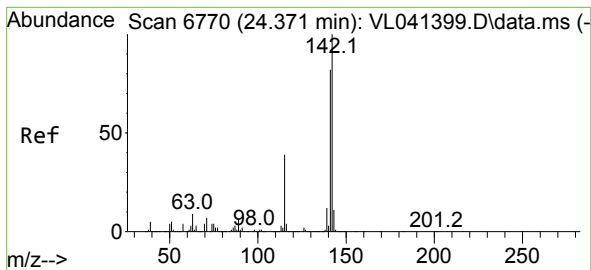
Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 13.2 9.0 13.4





#80

Naphthalene, 2-methyl-

Concen: 0.033 ppbv

RT: 24.403 min Scan# 61

Delta R.T. 0.013 min

Lab File: VL041552.D

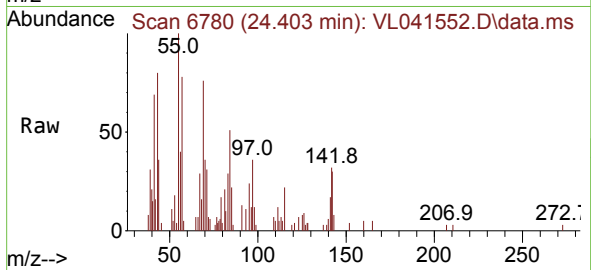
Acq: 19 Aug 2024 17:56

Instrument :

MSVOA_L

ClientSampleId :

SV2



Tgt Ion: 142 Resp: 6967

Ion Ratio Lower Upper

142 100

141 83.0 67.0 100.4

115 51.2 32.2 48.2#

