

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041547.D
 Acq On : 19 Aug 2024 14:14
 Operator : SY/MD
 Sample : P3658-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Quant Time: Aug 20 02:16:59 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	905472	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2408323	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.487	117	2281333	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	1737179	9.895	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.748	85	30717	0.197	ppbv	96
3) Chlorodifluoromethane	2.694	51	186986	1.735	ppbv #	80
4) Chloromethane	2.832	50	42932	0.749	ppbv	92
9) Propene	2.893	41	335572	6.777	ppbv	93
10) Heptane	7.594	43	12189	0.110	ppbv #	27
11) Trichlorofluoromethane	3.581	101	38518	0.278	ppbv	91
12) 1,1,2-Trichlorotrifluo...	4.086	101	4306	0.043	ppbv #	12
13) Ethanol	3.256	45	2083666	470.805	ppbv	97
15) Acetone	3.485	43	2056200	19.986	ppbv	99
16) 1,3-Butadiene	2.989	39	65407	1.190	ppbv #	30
17) tert-Butyl alcohol	3.906	59	20948	0.223	ppbv #	72
19) Isopropyl Alcohol	3.600	45	877610	14.591	ppbv #	97
20) Methylene Chloride	3.954	84	365257	9.521	ppbv	96
21) Allyl Chloride	3.967	41	4381	0.065	ppbv #	17
23) Vinyl Acetate	4.636	43	104065	1.324	ppbv #	56
25) Ethyl Acetate	5.227	43	445647	2.180	ppbv #	94
26) Hexane	5.234	57	324380	3.826	ppbv #	61
27) Carbon Disulfide	4.147	76	62709	0.632	ppbv #	81
29) Chloroform	5.295	83	146924	1.062	ppbv	99
30) Cyclohexane	6.619	84	6944	0.101	ppbv #	2
31) cis-1,2-Dichloroethene	5.224	61	28971	0.346	ppbv #	25
34) 2-Butanone	4.809	43	125594	1.078	ppbv	94
35) Carbon Tetrachloride	6.517	117	8012	0.060	ppbv #	75
36) Benzene	6.391	78	126219	0.717	ppbv	95
37) 1,2-Dichloroethane	5.832	62	20563	0.209	ppbv #	74
39) 1,2-Dichloropropane	6.671	63	591492	8.779	ppbv #	25
41) Tetrahydrofuran	5.581	42	4386	0.066	ppbv #	22
43) Methyl Methacrylate	7.497	69	5562	0.088	ppbv #	1
44) 2,2,4-Trimethylpentane	7.349	57	111379	0.379	ppbv #	70
51) 2-Hexanone	9.581	43	4812	0.035	ppbv #	30
52) Tetrachloroethene	10.645	164	8259	0.121	ppbv #	69
53) Toluene	9.246	91	452227	2.307	ppbv	99
58) Ethyl Benzene	12.114	91	78960	0.300	ppbv	91
59) m/p-Xylene	12.372	91	107616	0.474	ppbv #	40
60) o-Xylene	13.082	91	58030	0.270	ppbv	95
61) Styrene	12.918	104	8947	0.092	ppbv #	14
66) Benzyl Chloride	16.063	91	1002	0.053	ppbv #	75
69) p-Isopropyltoluene	17.011	119	15138	0.045	ppbv #	8
71) 2-Chlorotoluene	14.690	91	471661	1.959	ppbv #	43
73) 1,3,5-Trimethylbenzene	15.375	105	7000	0.032	ppbv #	72
74) 1,2,4-Trimethylbenzene	16.134	105	35931	0.142	ppbv #	69
76) 1,4-Dichlorobenzene	16.484	146	7969	0.052	ppbv #	23

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Instrument :
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IA1DUP

Quant Time: Aug 20 02:16:59 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

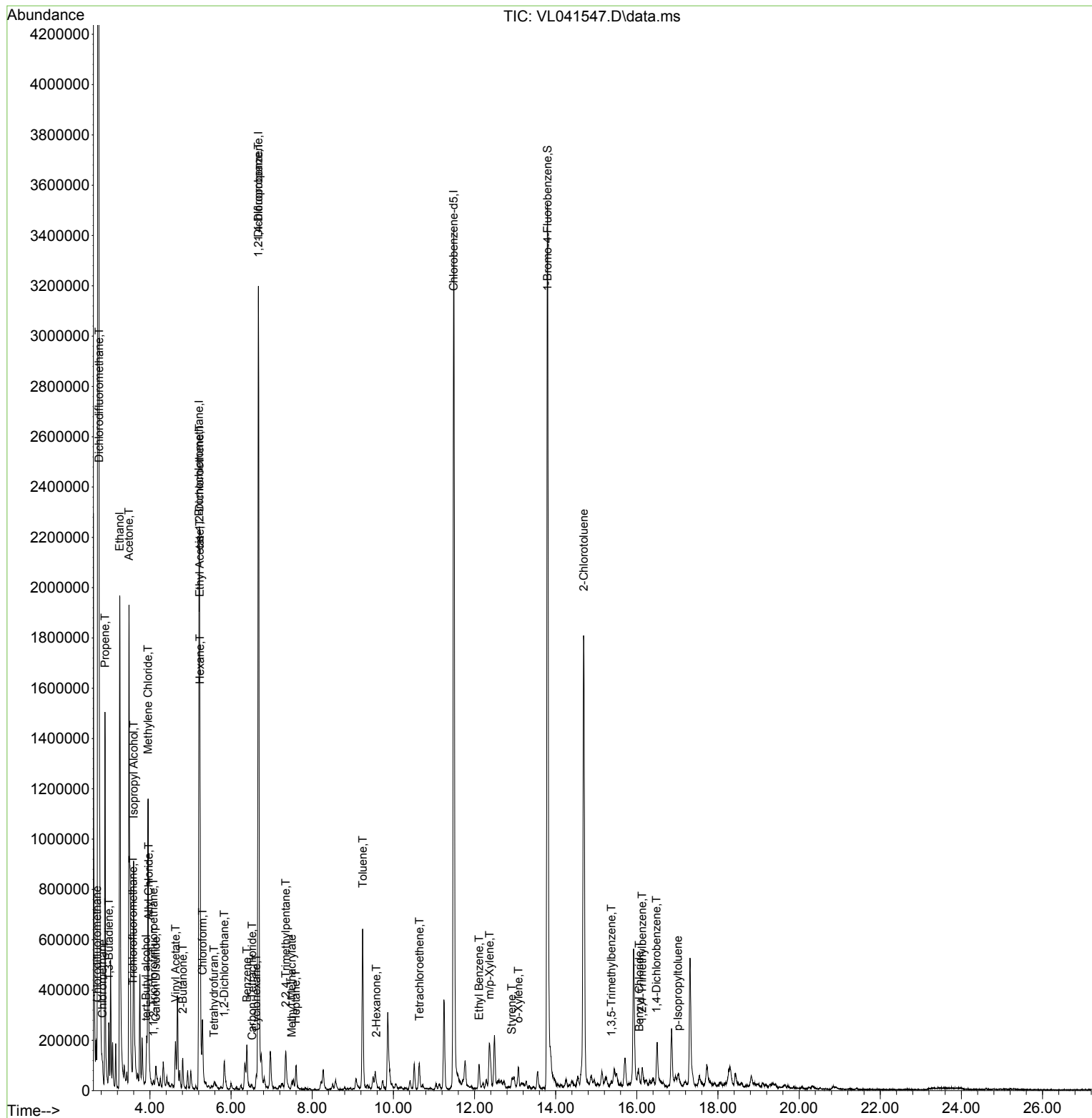
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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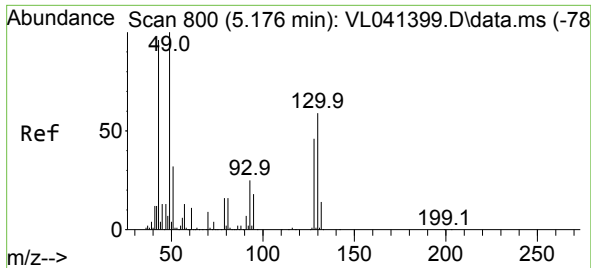
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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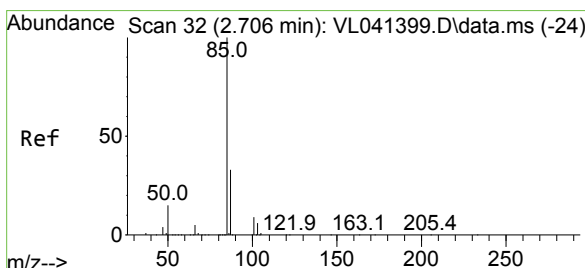
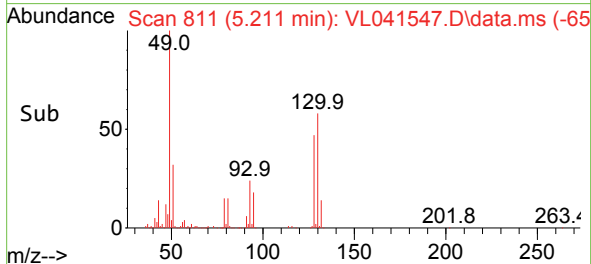
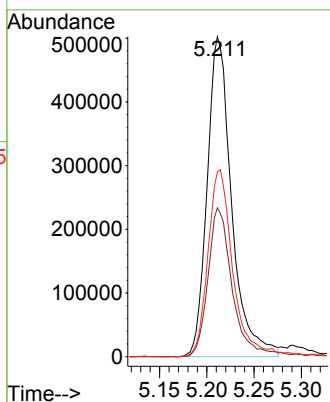
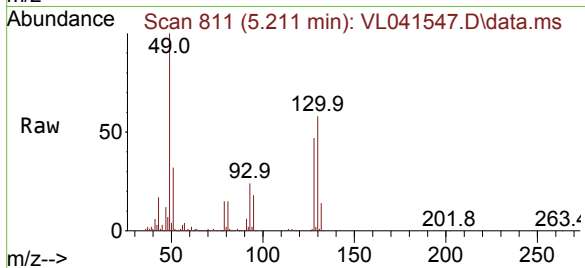




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL041547.D
 Acq: 19 Aug 2024 14:14

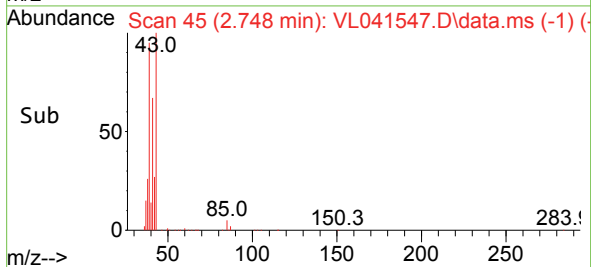
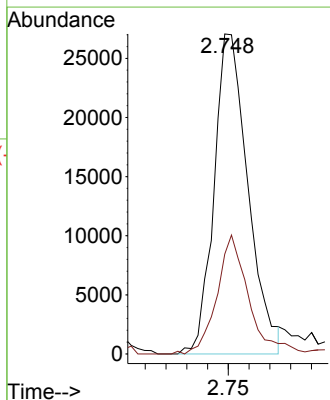
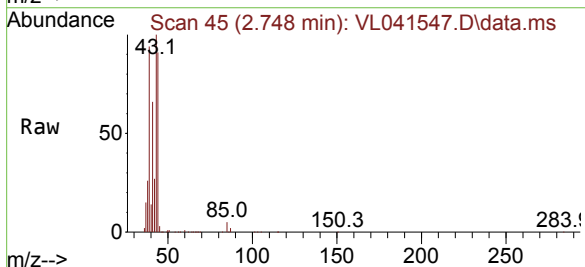
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

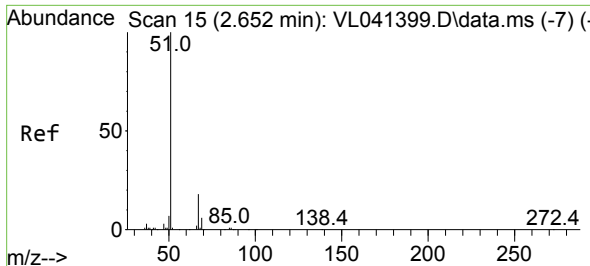
Tgt Ion: 49 Resp: 905472
 Ion Ratio Lower Upper
 49 100
 128 46.6 23.8 71.4
 130 60.9 30.8 92.4



#2
 Dichlorodifluoromethane
 Concen: 0.197 ppbv
 RT: 2.748 min Scan# 45
 Delta R.T. 0.000 min
 Lab File: VL041547.D
 Acq: 19 Aug 2024 14:14

Tgt Ion: 85 Resp: 30717
 Ion Ratio Lower Upper
 85 100
 87 30.4 26.0 39.0

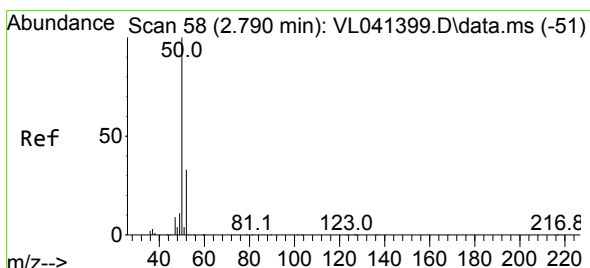
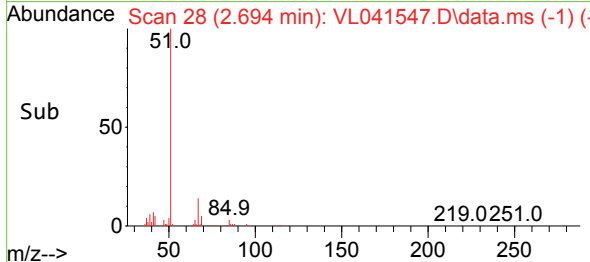
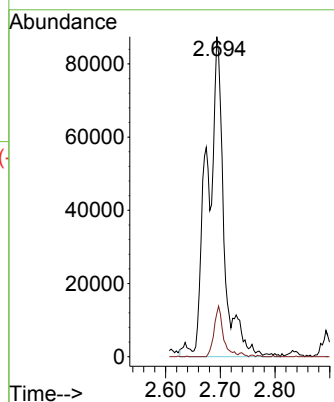
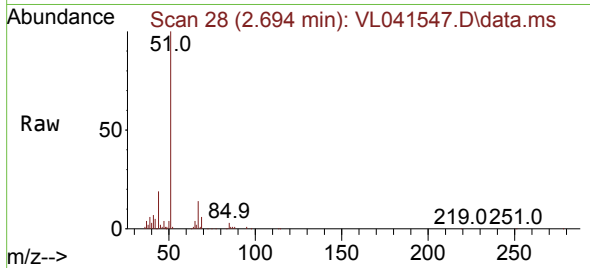




#3
Chlorodifluoromethane
Concen: 1.735 ppbv
RT: 2.694 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

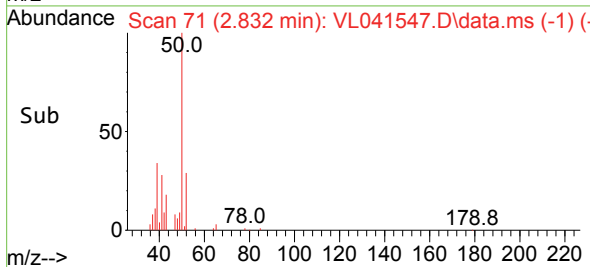
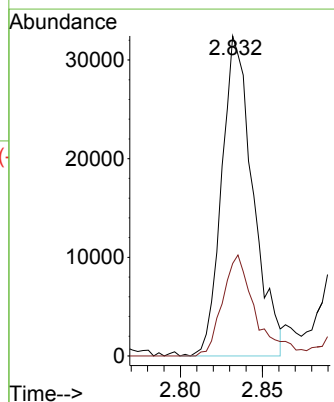
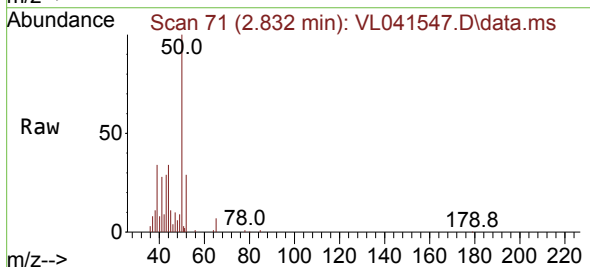
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

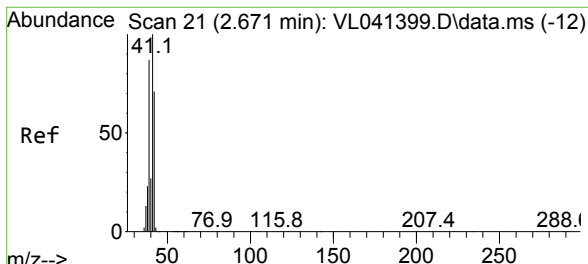
Tgt Ion: 51 Resp: 186986
Ion Ratio Lower Upper
51 100
67 9.1 14.5 21.7#



#4
Chloromethane
Concen: 0.749 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.000 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

Tgt Ion: 50 Resp: 42932
Ion Ratio Lower Upper
50 100
52 28.1 26.1 39.1

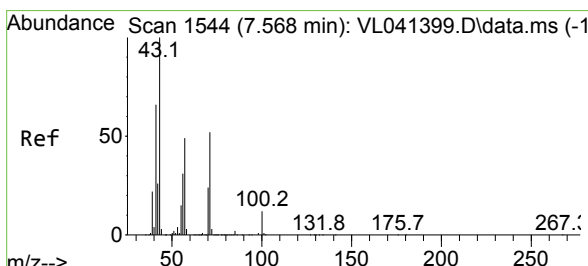
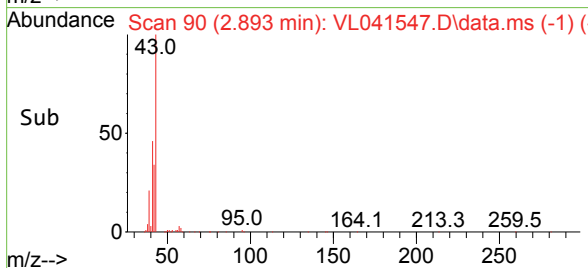
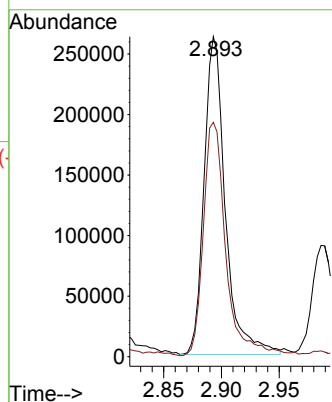
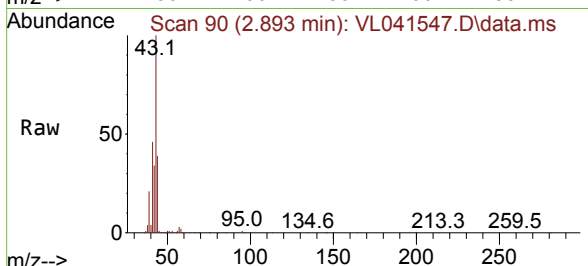




#9
 Propene
 Concen: 6.777 ppbv
 RT: 2.893 min Scan# 90
 Delta R.T. 0.180 min
 Lab File: VL041547.D
 Acq: 19 Aug 2024 14:14

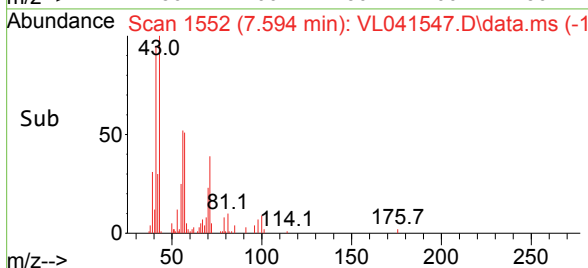
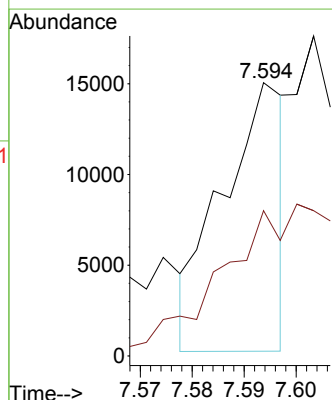
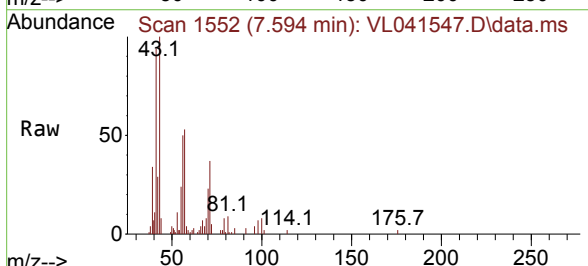
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

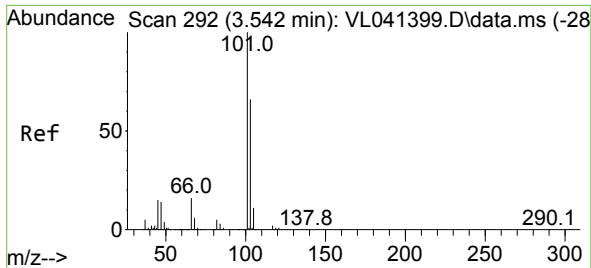
Tgt Ion: 41 Resp: 335572
 Ion Ratio Lower Upper
 41 100
 42 75.9 55.9 83.9



#10
 Heptane
 Concen: 0.110 ppbv
 RT: 7.594 min Scan# 1552
 Delta R.T. -0.003 min
 Lab File: VL041547.D
 Acq: 19 Aug 2024 14:14

Tgt Ion: 43 Resp: 12189
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.5 60.7#





#11

Trichlorofluoromethane

Concen: 0.278 ppbv

RT: 3.581 min Scan# 304

Delta R.T. 0.000 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

Instrument :

MSVOA_L

ClientSampleId :

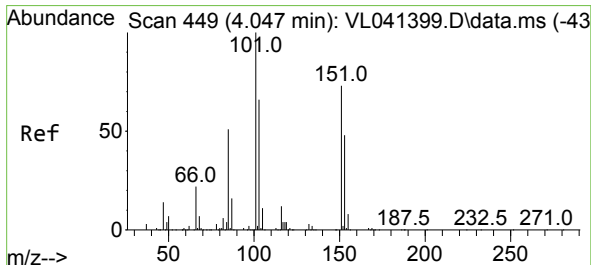
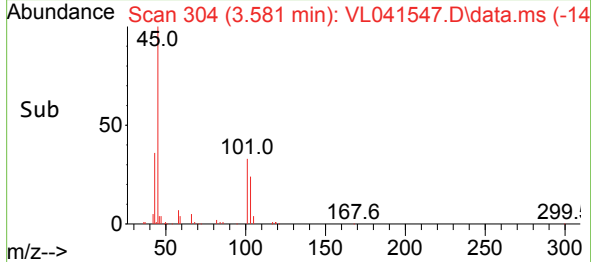
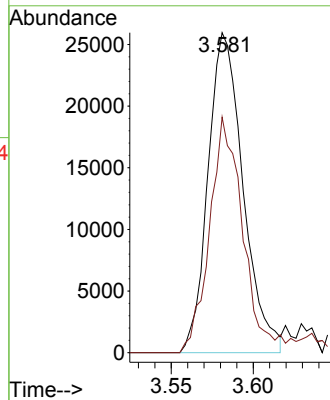
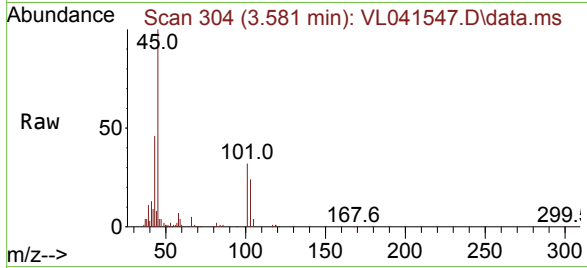
IA1DUP

Tgt Ion:101 Resp: 38518

Ion Ratio Lower Upper

101 100

103 73.0 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.043 ppbv

RT: 4.086 min Scan# 461

Delta R.T. 0.003 min

Lab File: VL041547.D

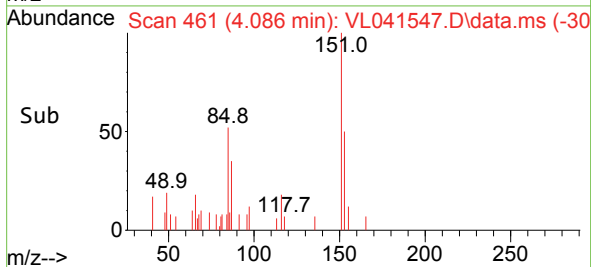
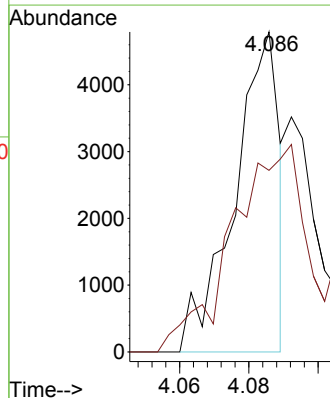
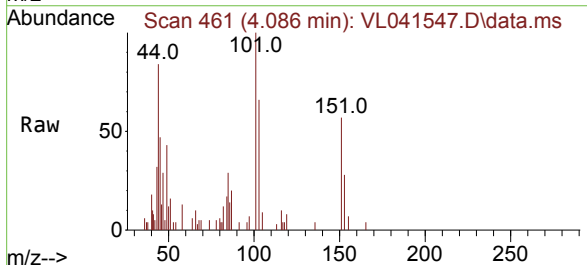
Acq: 19 Aug 2024 14:14

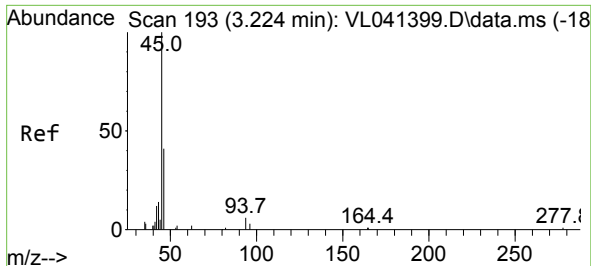
Tgt Ion:101 Resp: 4306

Ion Ratio Lower Upper

101 100

151 0.0 59.4 89.2#

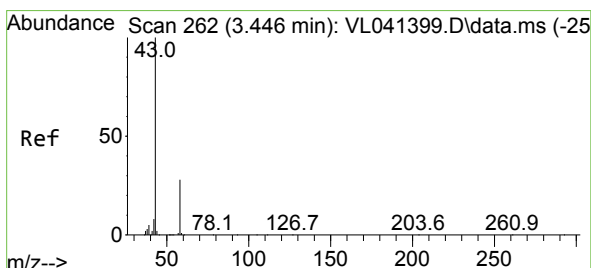
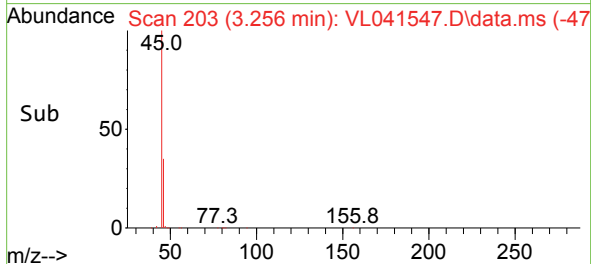
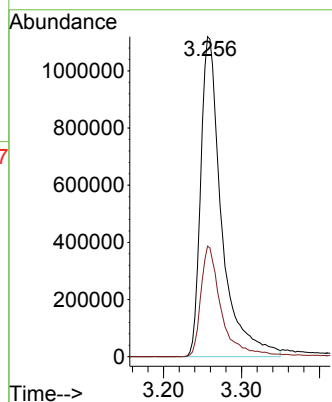
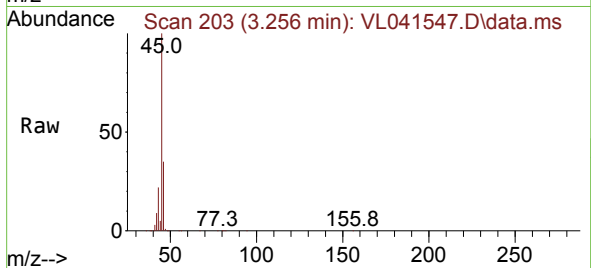




#13
Ethanol
Concen: 470.805 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.000 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

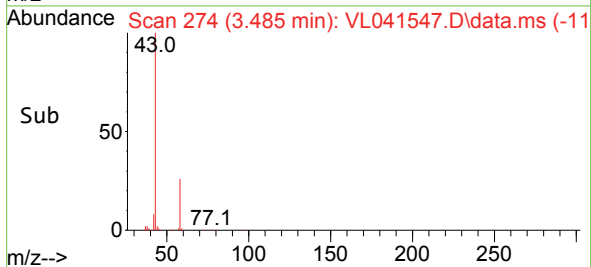
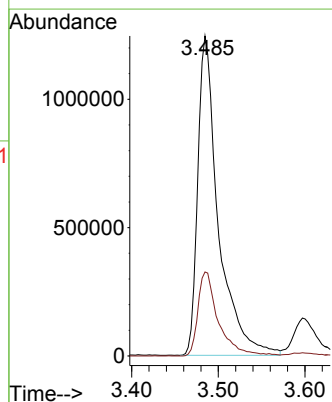
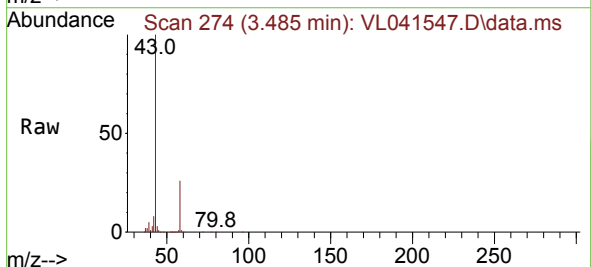
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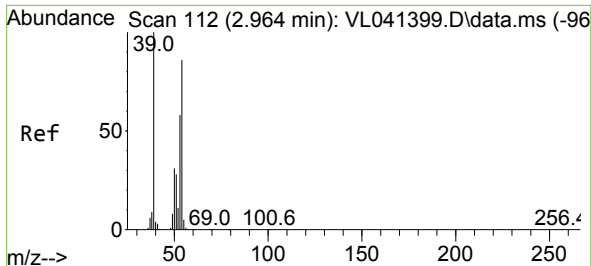
Tgt Ion: 45 Resp: 2083666
Ion Ratio Lower Upper
45 100
46 34.9 13.4 53.4



#15
Acetone
Concen: 19.986 ppbv
RT: 3.485 min Scan# 274
Delta R.T. 0.000 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

Tgt Ion: 43 Resp: 2056200
Ion Ratio Lower Upper
43 100
58 26.2 21.4 32.2

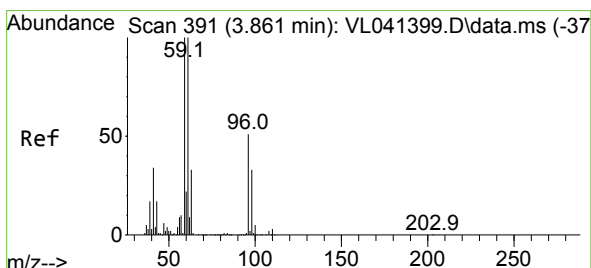
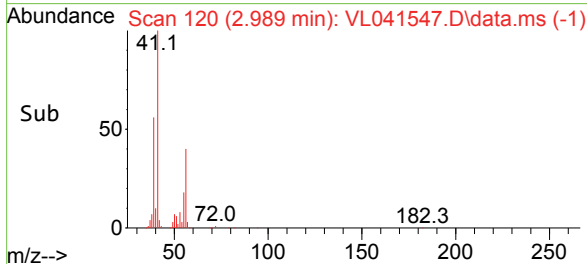
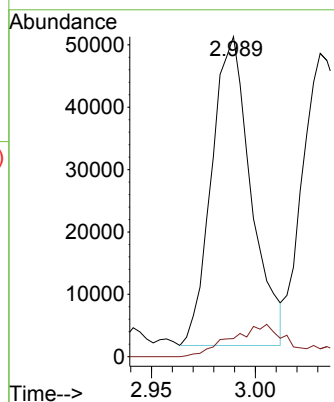
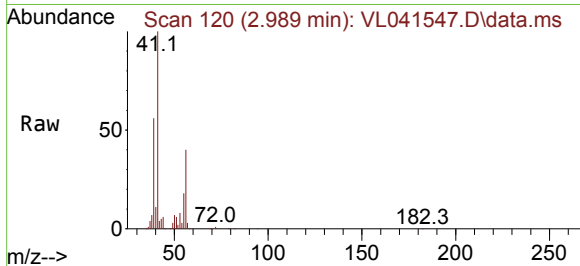




#16
1,3-Butadiene
Concen: 1.190 ppbv
RT: 2.989 min Scan# 112
Delta R.T. -0.013 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

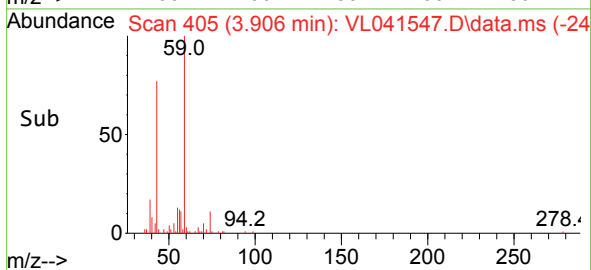
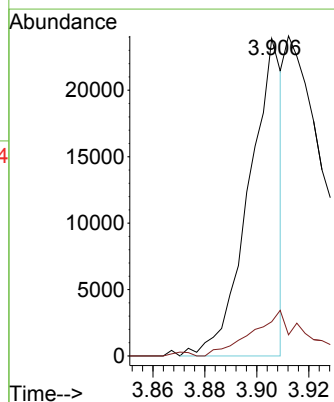
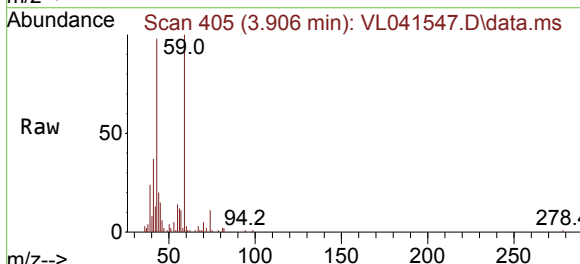
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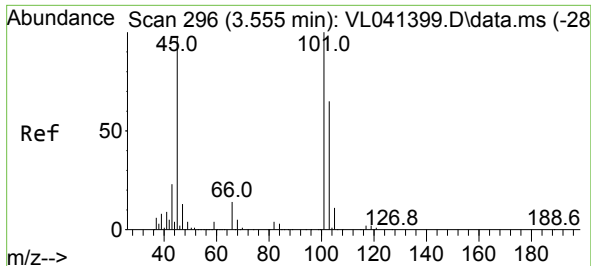
Tgt Ion: 39 Resp: 65407
Ion Ratio Lower Upper
39 100
54 17.4 62.5 93.7#



#17
tert-Butyl alcohol
Concen: 0.223 ppbv
RT: 3.906 min Scan# 405
Delta R.T. 0.013 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

Tgt Ion: 59 Resp: 20948
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 14.591 ppbv

RT: 3.600 min Scan# 310

Delta R.T. 0.010 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

Instrument :

MSVOA_L

ClientSampleId :

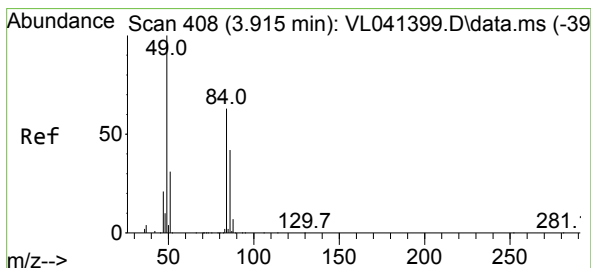
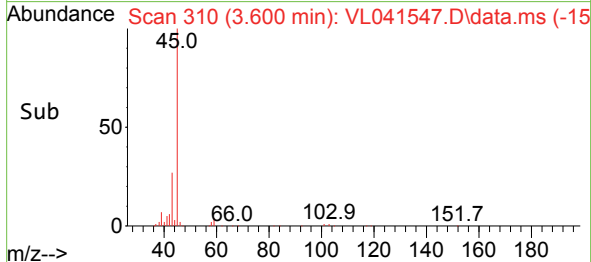
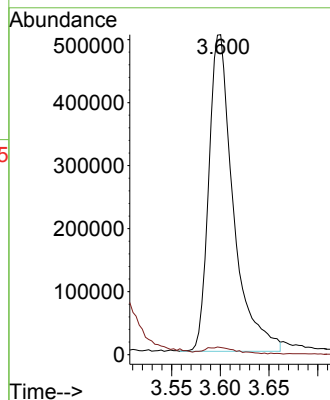
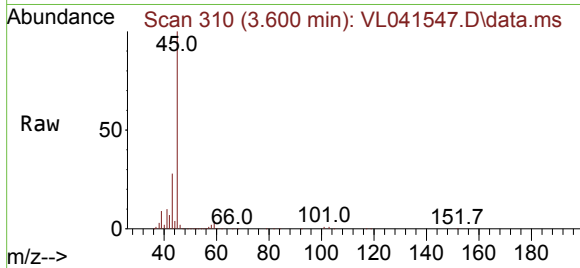
IA1DUP

Tgt Ion: 45 Resp: 877610

Ion Ratio Lower Upper

45 100

58 3.6 1.9 2.9#



#20

Methylene Chloride

Concen: 9.521 ppbv

RT: 3.954 min Scan# 420

Delta R.T. 0.003 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

Tgt Ion: 84 Resp: 365257

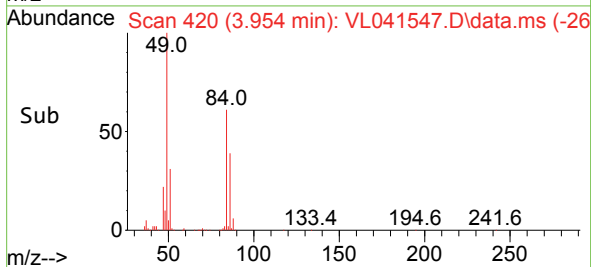
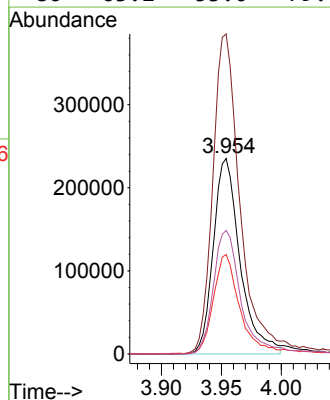
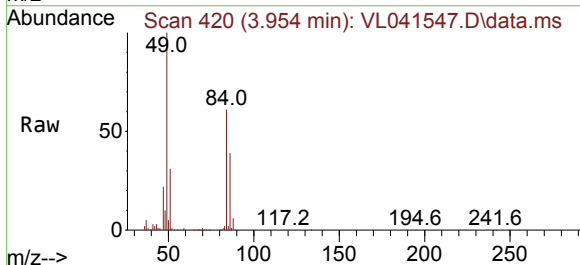
Ion Ratio Lower Upper

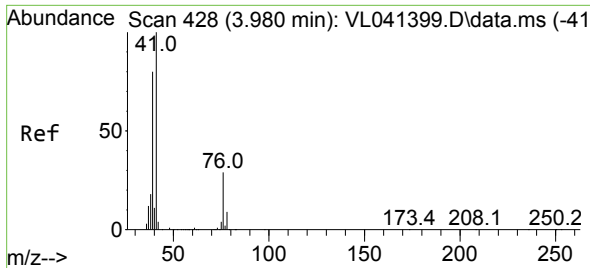
84 100

49 163.4 126.6 190.0

51 50.2 38.6 58.0

86 63.2 53.0 79.4

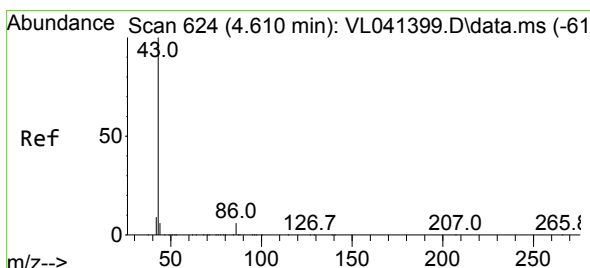
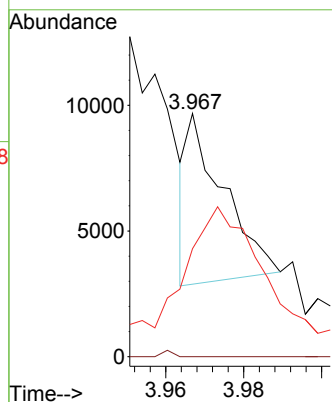
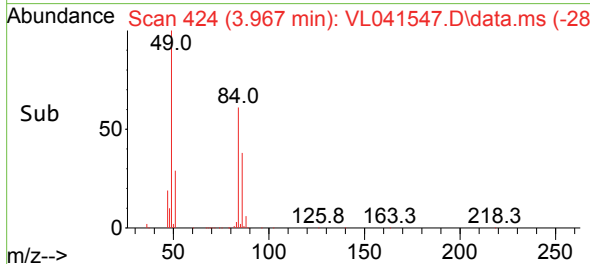
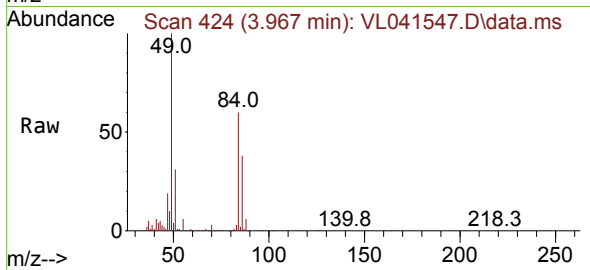




#21
 Allyl Chloride
 Concen: 0.065 ppbv
 RT: 3.967 min Scan# 41
 Delta R.T. -0.045 min
 Lab File: VL041547.D
 Acq: 19 Aug 2024 14:14

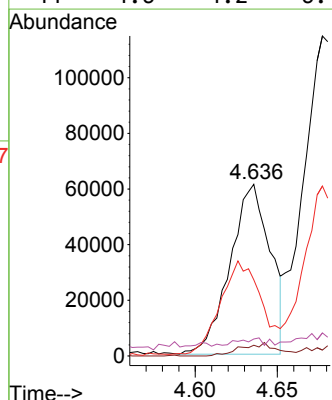
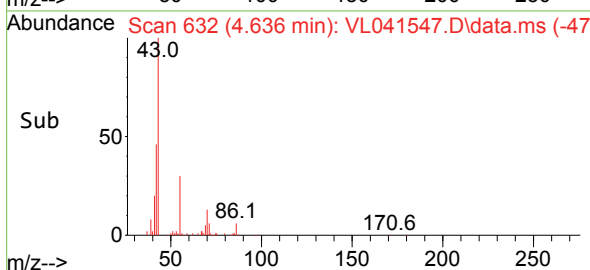
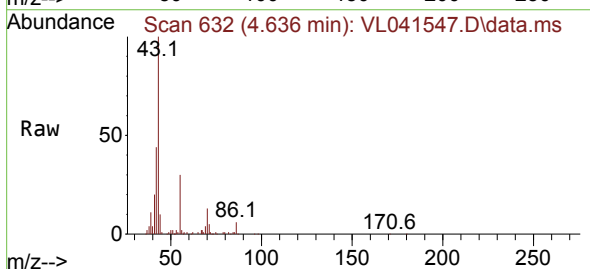
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

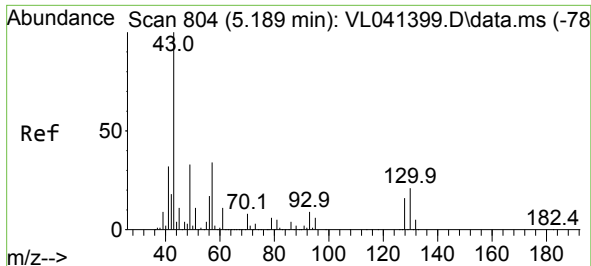
Tgt Ion: 41	Resp: 4381
Ion Ratio	Lower Upper
41	100
76	0.0 23.7 35.5#
39	163.3 64.3 96.5#



#23
 Vinyl Acetate
 Concen: 1.324 ppbv
 RT: 4.636 min Scan# 632
 Delta R.T. -0.006 min
 Lab File: VL041547.D
 Acq: 19 Aug 2024 14:14

Tgt Ion: 43	Resp: 104065
Ion Ratio	Lower Upper
43	100
86	6.3 4.6 6.8
42	43.5 7.9 11.9#
44	4.6 4.2 6.4

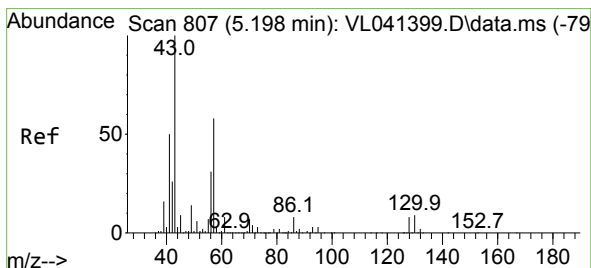
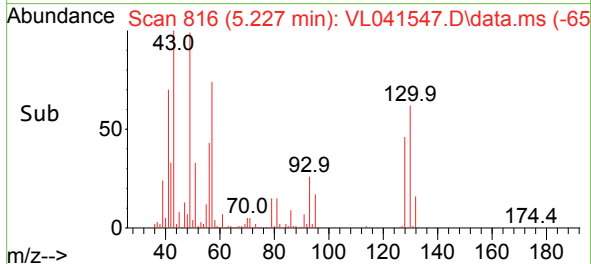
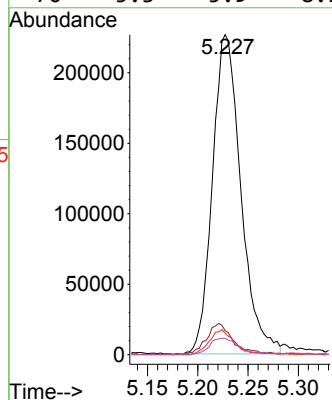
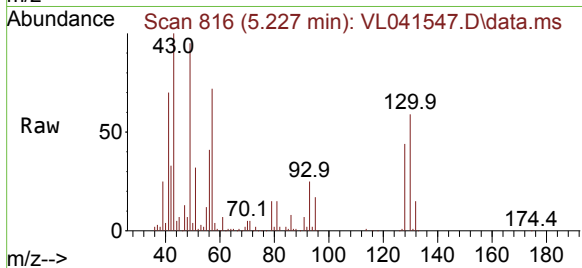




#25
Ethyl Acetate
Concen: 2.180 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.007 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

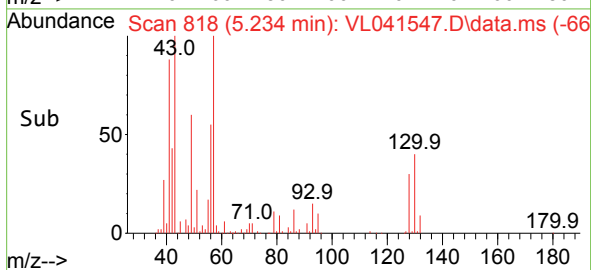
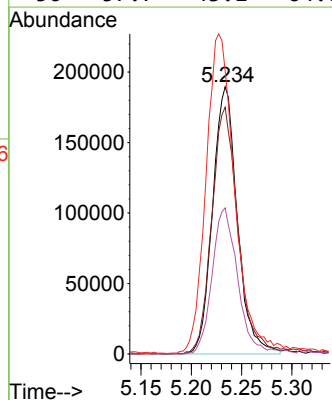
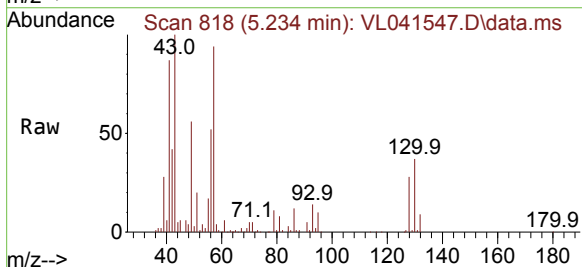
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

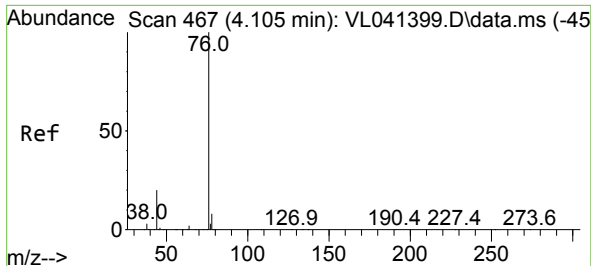
Tgt Ion:	43	Resp:	445647
Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.5	12.7
61	7.0	8.0	12.0#
70	5.3	5.9	8.9#



#26
Hexane
Concen: 3.826 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.003 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

Tgt Ion:	57	Resp:	324380
Ion	Ratio	Lower	Upper
57	100		
41	99.9	74.0	111.0
43	141.8	193.6	290.4#
56	57.7	43.1	64.7

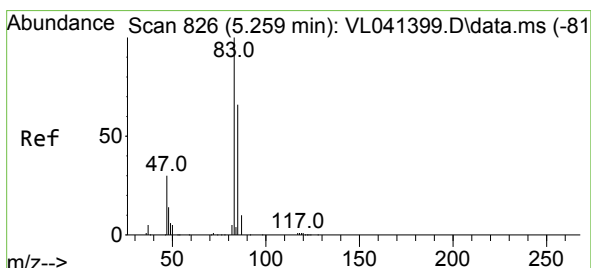
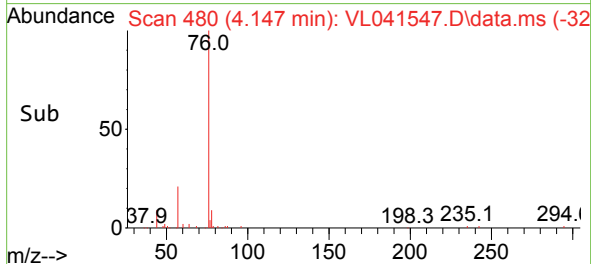
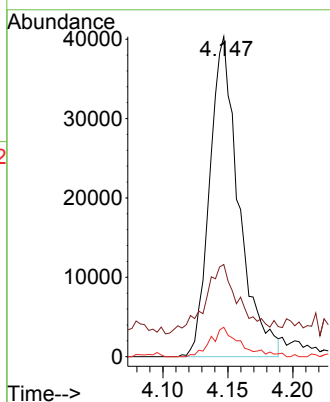
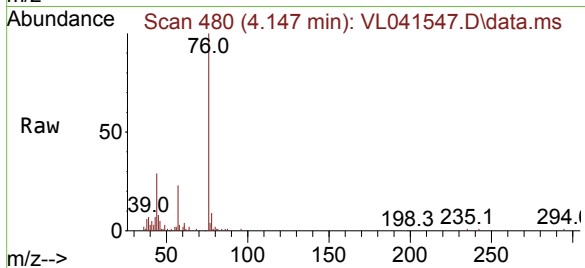




#27
Carbon Disulfide
Concen: 0.632 ppbv
RT: 4.147 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

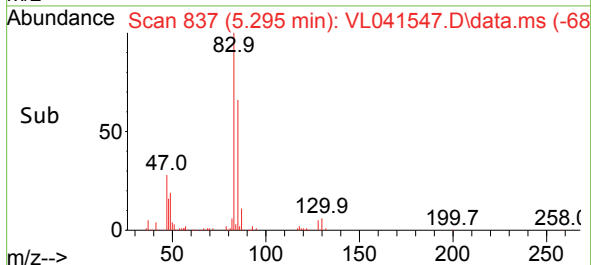
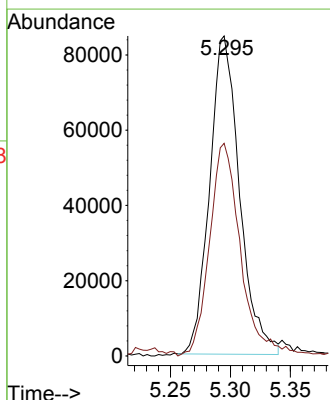
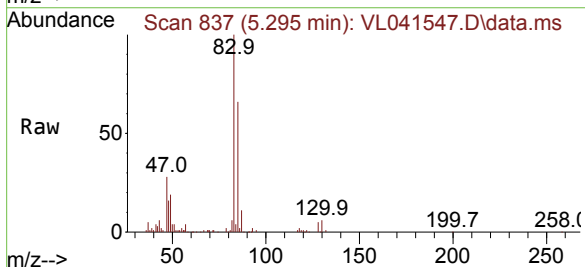
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

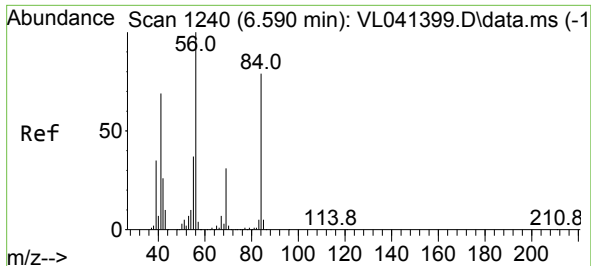
Tgt Ion: 76 Resp: 62709
Ion Ratio Lower Upper
76 100
44 32.6 15.6 23.4#
78 9.6 7.7 11.5



#29
Chloroform
Concen: 1.062 ppbv
RT: 5.295 min Scan# 837
Delta R.T. 0.000 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

Tgt Ion: 83 Resp: 146924
Ion Ratio Lower Upper
83 100
85 66.9 53.1 79.7

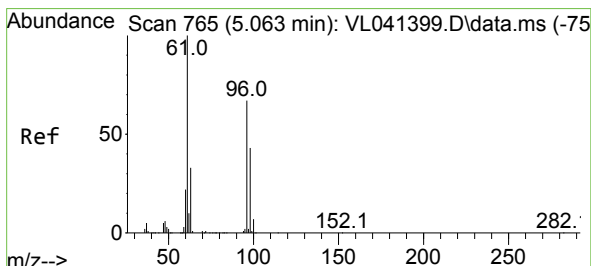
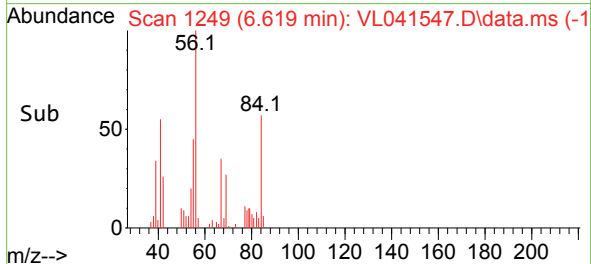
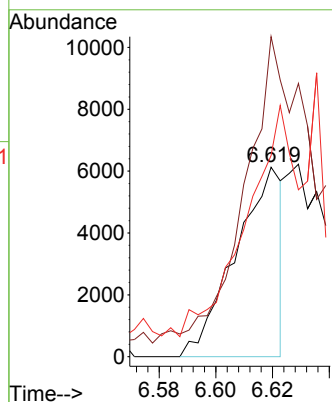
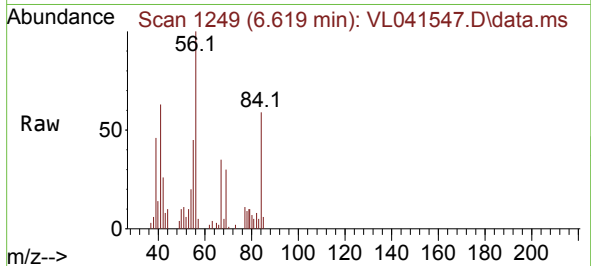




#30
Cyclohexane
Concen: 0.101 ppbv
RT: 6.619 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

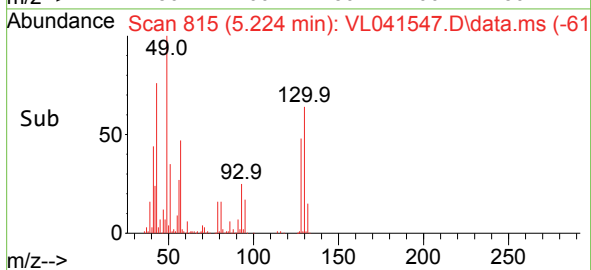
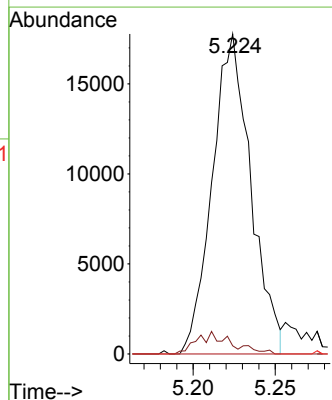
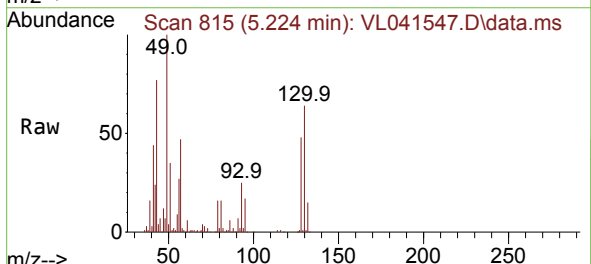
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

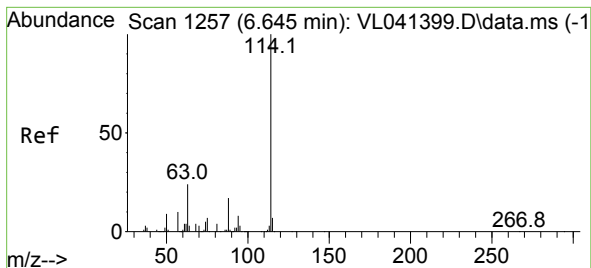
Tgt Ion: 84 Resp: 6944
Ion Ratio Lower Upper
84 100
56 260.4 111.2 166.8#
41 0.0 70.3 105.5#



#31
cis-1,2-Dichloroethene
Concen: 0.346 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.129 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

Tgt Ion: 61 Resp: 28971
Ion Ratio Lower Upper
61 100
96 2.6 53.4 80.2#
98 0.0 34.4 51.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

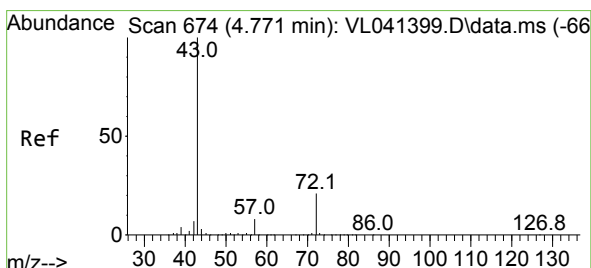
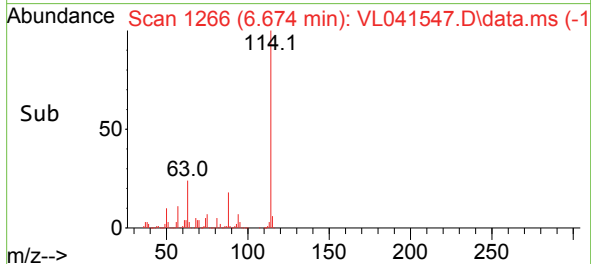
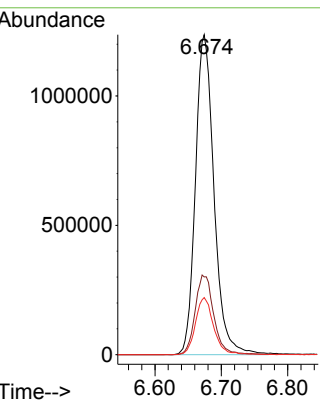
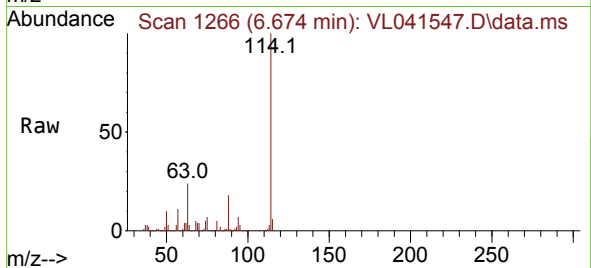
Tgt Ion:114 Resp: 2408323

Ion Ratio Lower Upper

114 100

63 25.1 20.3 30.5

88 17.6 14.3 21.5



#34

2-Butanone

Concen: 1.078 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.007 min

Lab File: VL041547.D

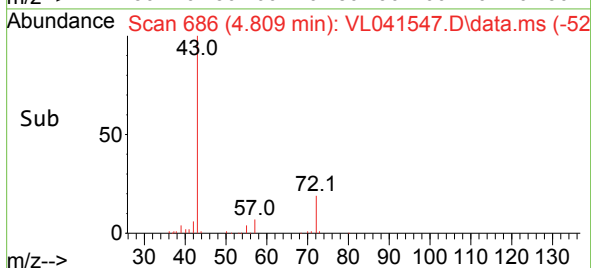
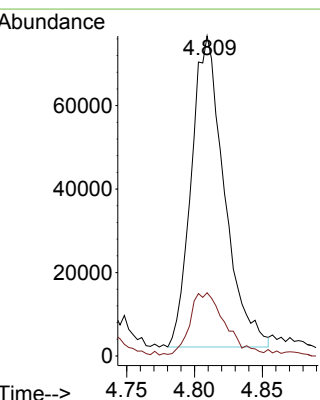
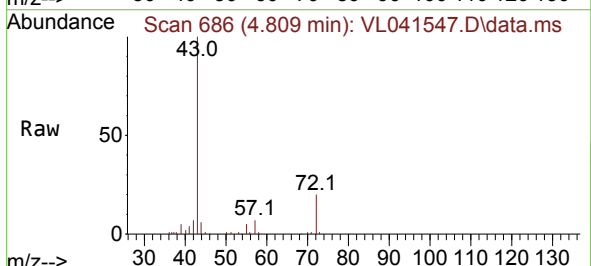
Acq: 19 Aug 2024 14:14

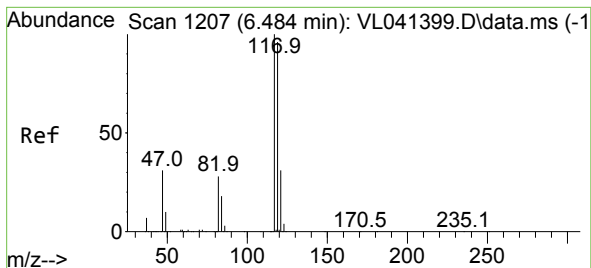
Tgt Ion: 43 Resp: 125594

Ion Ratio Lower Upper

43 100

72 24.3 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.060 ppbv

RT: 6.517 min Scan# 1117

Delta R.T. 0.003 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

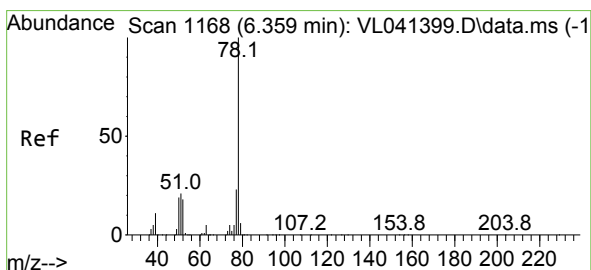
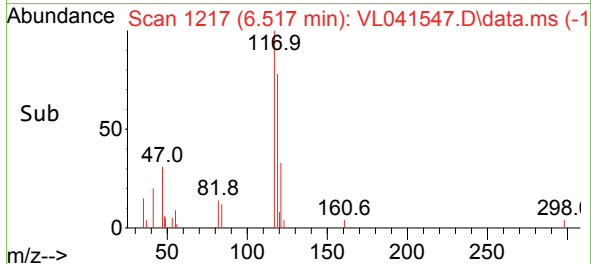
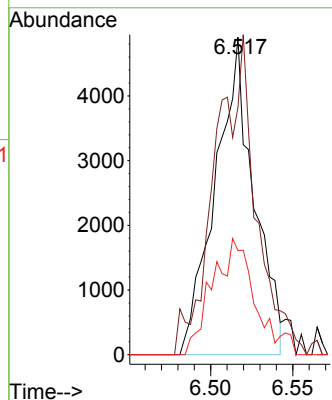
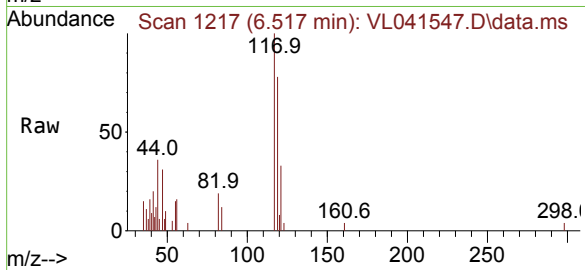
Tgt Ion:117 Resp: 8012

Ion Ratio Lower Upper

117 100

119 64.1 76.6 115.0#

121 32.8 25.1 37.7



#36

Benzene

Concen: 0.717 ppbv

RT: 6.391 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

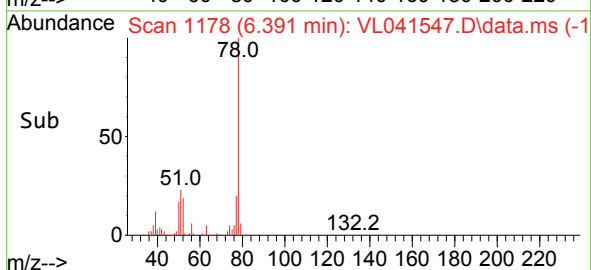
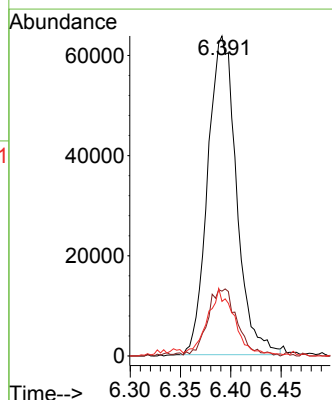
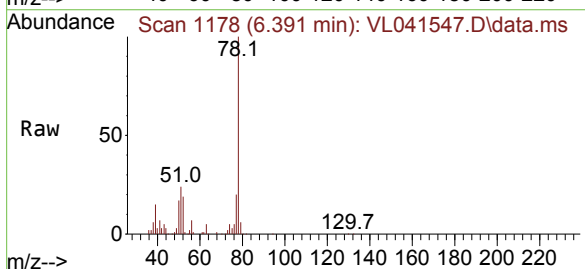
Tgt Ion: 78 Resp: 126219

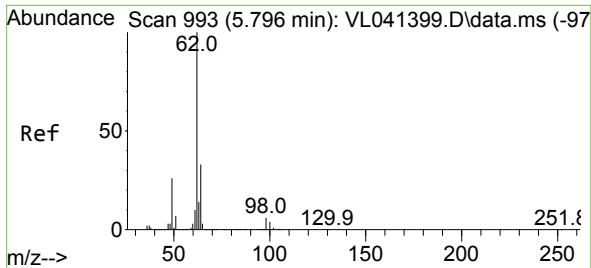
Ion Ratio Lower Upper

78 100

77 20.3 18.1 27.1

50 16.5 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.209 ppbv

RT: 5.832 min Scan# 1

Delta R.T. 0.007 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

Instrument :

MSVOA_L

ClientSampleId :

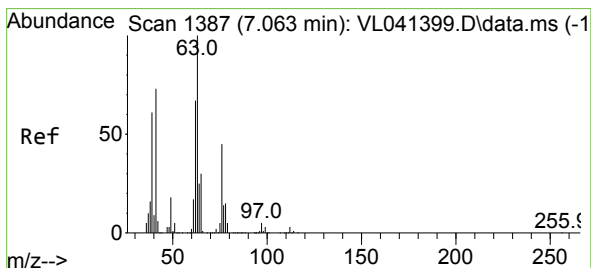
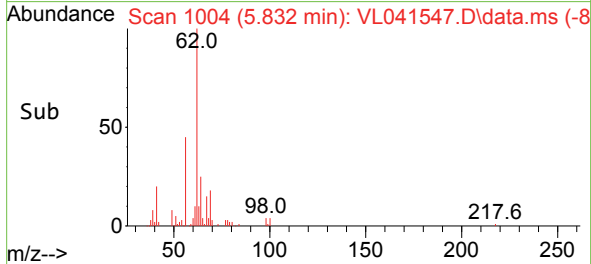
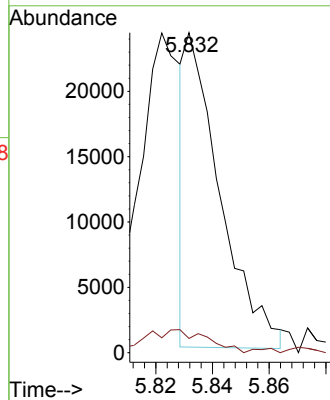
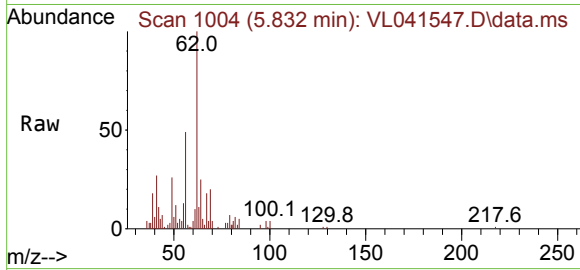
IA1DUP

Tgt Ion: 62 Resp: 20563

Ion Ratio Lower Upper

62 100

98 15.1 5.0 7.4#



#39

1,2-Dichloropropane

Concen: 8.779 ppbv

RT: 6.671 min Scan# 1265

Delta R.T. -0.424 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

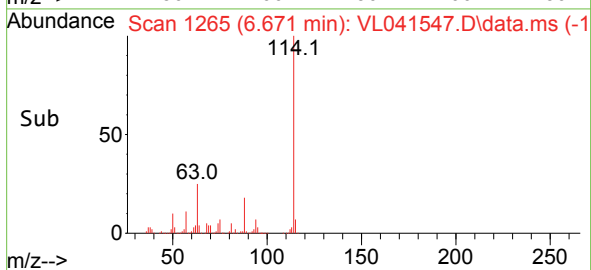
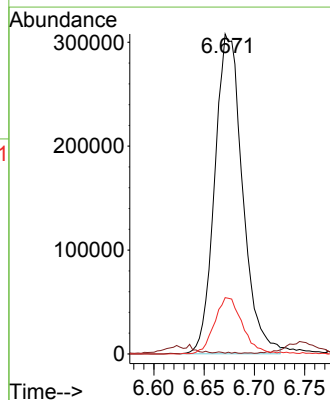
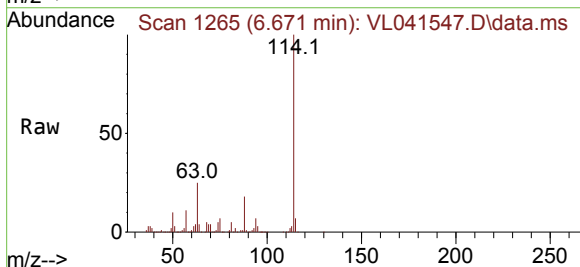
Tgt Ion: 63 Resp: 591492

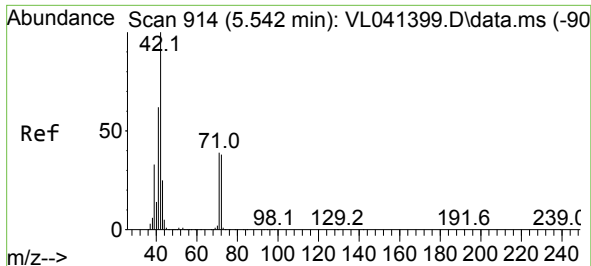
Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 17.6 53.9 80.9#





#41

Tetrahydrofuran

Concen: 0.066 ppbv

RT: 5.581 min Scan# 914

Delta R.T. 0.007 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

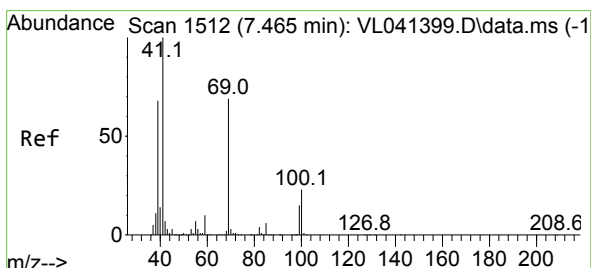
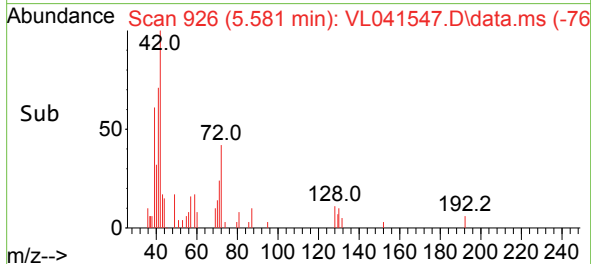
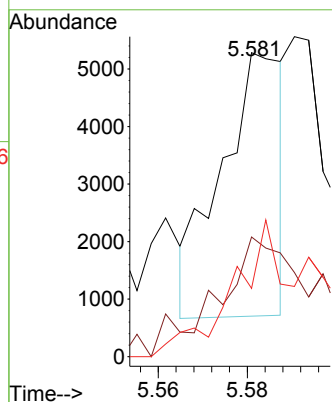
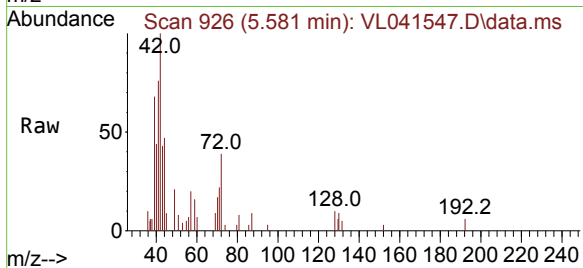
Tgt Ion: 42 Resp: 4386

Ion Ratio Lower Upper

42 100

72 95.6 31.2 46.8#

71 75.8 30.5 45.7#



#43

Methyl Methacrylate

Concen: 0.088 ppbv

RT: 7.497 min Scan# 1522

Delta R.T. 0.003 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

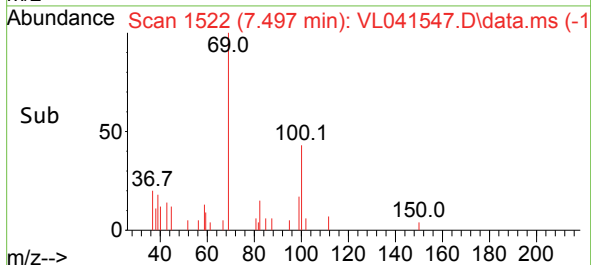
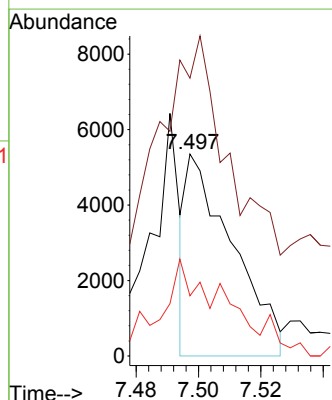
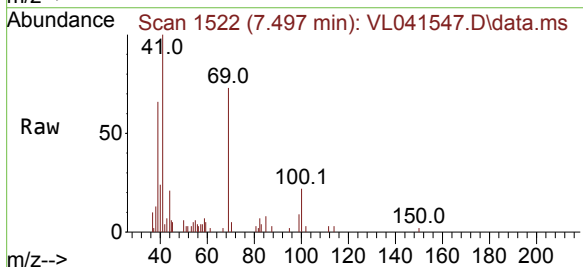
Tgt Ion: 69 Resp: 5562

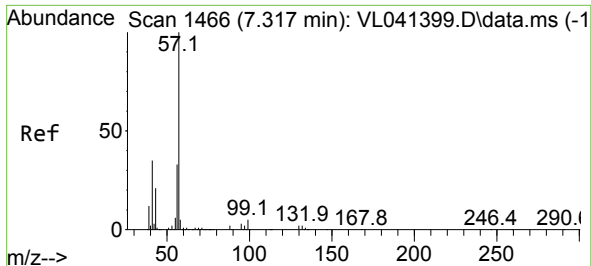
Ion Ratio Lower Upper

69 100

41 372.7 118.7 178.1#

100 73.4 27.0 40.4#





#44

2,2,4-Trimethylpentane

Concen: 0.379 ppbv

RT: 7.349 min Scan# 1466

Delta R.T. 0.007 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

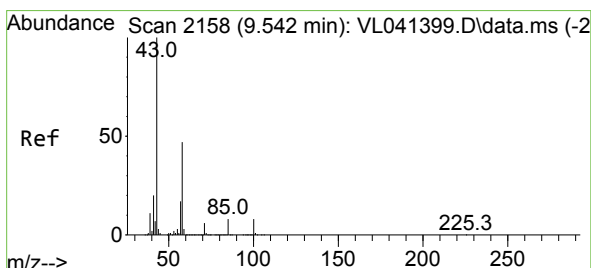
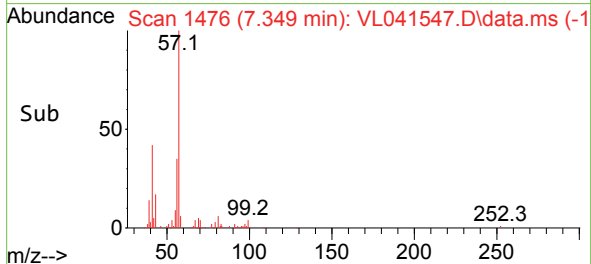
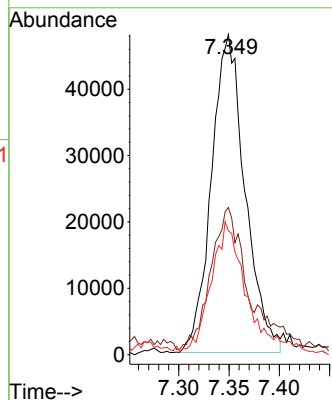
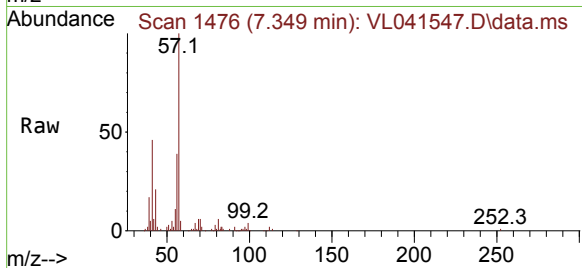
Tgt Ion: 57 Resp: 111379

Ion Ratio Lower Upper

57 100

41 54.9 27.0 40.6#

56 44.1 25.2 37.8#



#51

2-Hexanone

Concen: 0.035 ppbv

RT: 9.581 min Scan# 2170

Delta R.T. 0.010 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

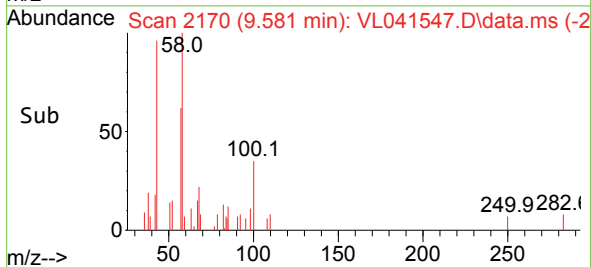
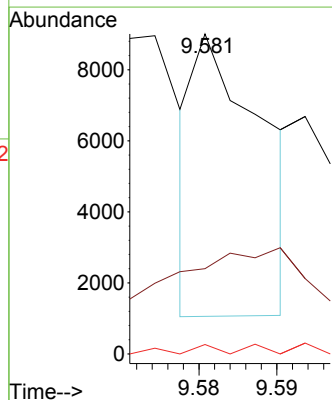
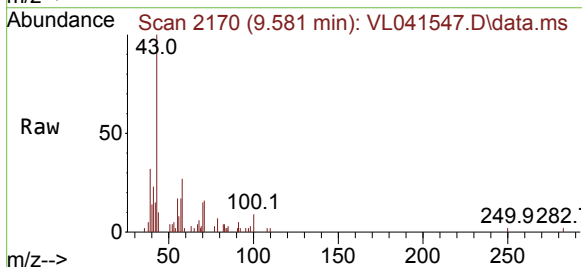
Tgt Ion: 43 Resp: 4812

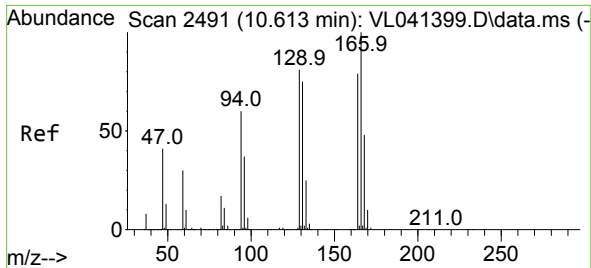
Ion Ratio Lower Upper

43 100

58 0.0 38.2 57.2#

98 0.0 0.3 0.5#

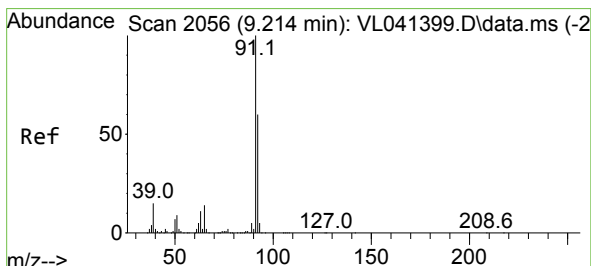
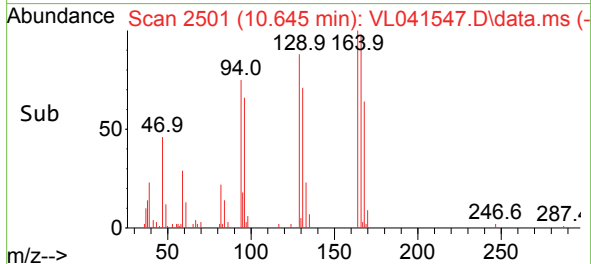
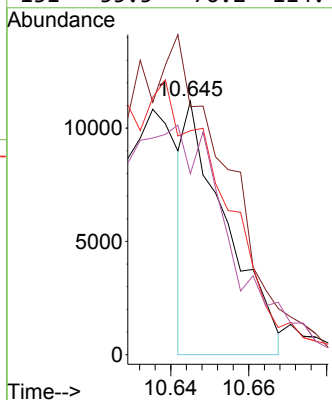
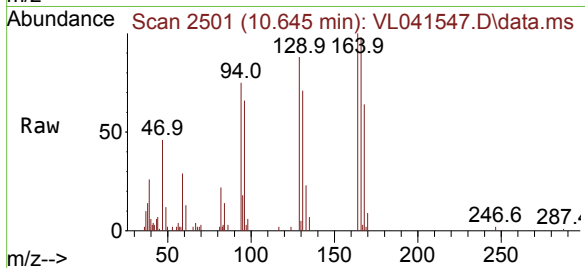




#52
Tetrachloroethene
Concen: 0.121 ppbv
RT: 10.645 min Scan# 210
Delta R.T. 0.010 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

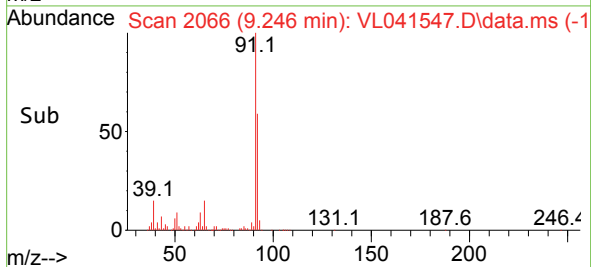
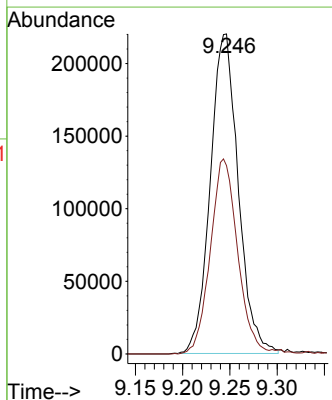
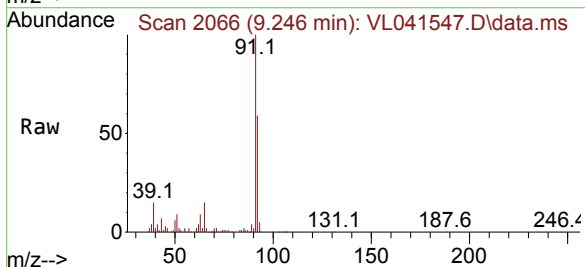
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

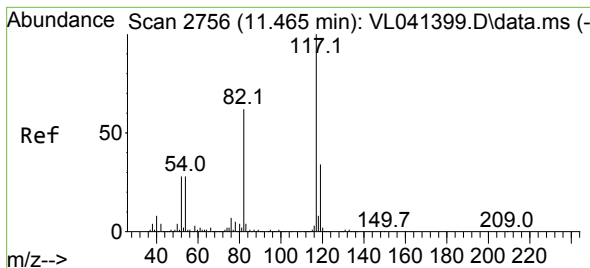
Tgt Ion:164 Resp: 8259
Ion Ratio Lower Upper
164 100
166 87.0 101.1 151.7#
129 84.9 81.7 122.5
131 55.5 76.2 114.4#



#53
Toluene
Concen: 2.307 ppbv
RT: 9.246 min Scan# 2066
Delta R.T. 0.007 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

Tgt Ion: 91 Resp: 452227
Ion Ratio Lower Upper
91 100
92 60.2 48.7 73.1

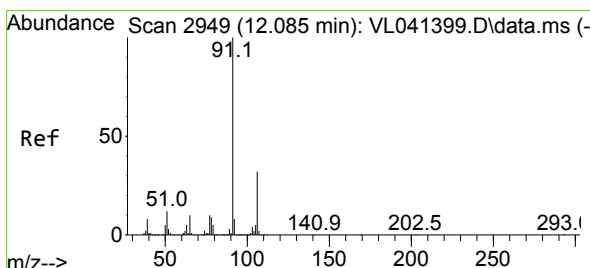
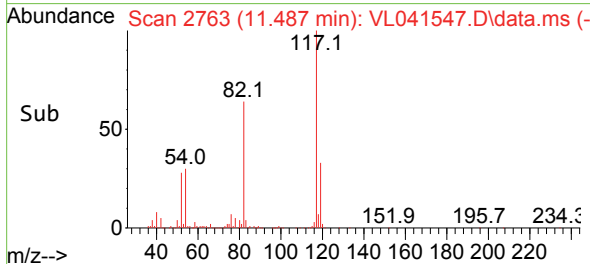
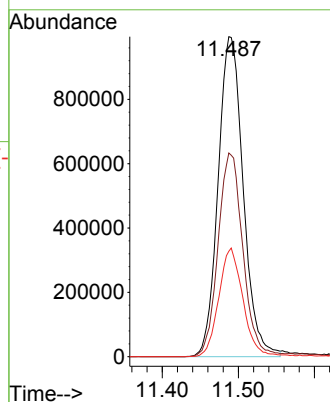
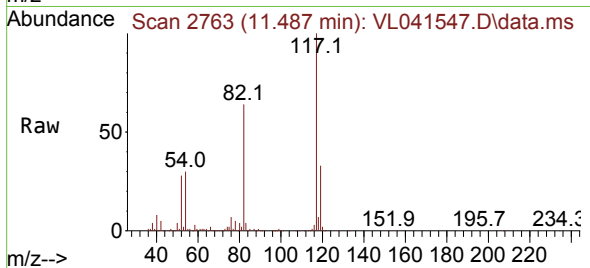




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.487 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

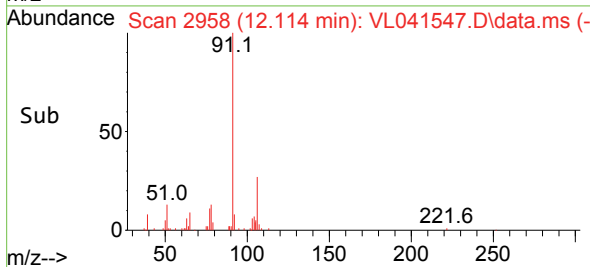
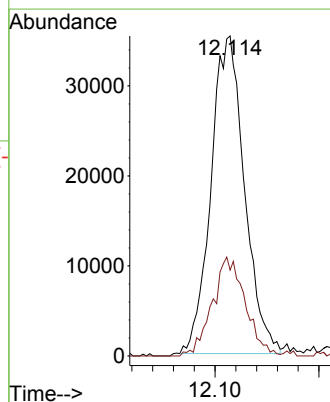
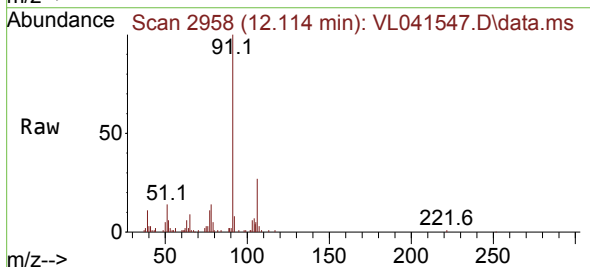
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

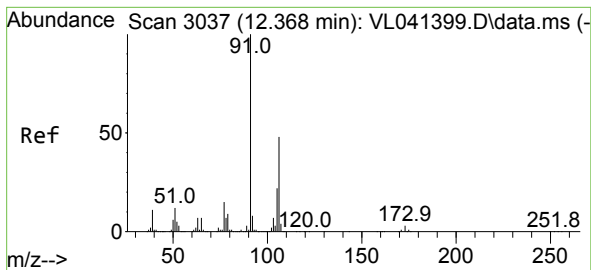
Tgt Ion:117 Resp: 2281333
Ion Ratio Lower Upper
117 100
82 64.4 51.0 76.6
119 33.2 45.2 67.8#



#58
Ethyl Benzene
Concen: 0.300 ppbv
RT: 12.114 min Scan# 2958
Delta R.T. 0.003 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

Tgt Ion: 91 Resp: 78960
Ion Ratio Lower Upper
91 100
106 27.1 25.8 38.8





#59

m/p-Xylene

Concen: 0.474 ppbv

RT: 12.372 min Scan# 3038

Delta R.T. -0.022 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

Instrument :

MSVOA_L

ClientSampleId :

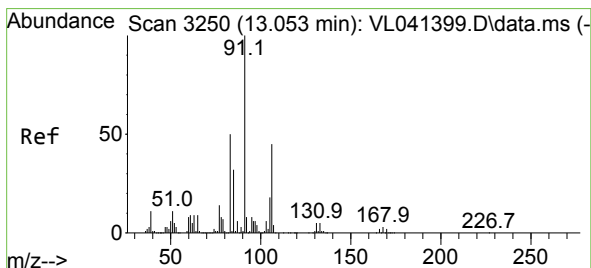
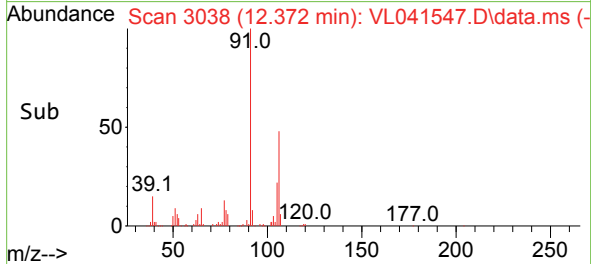
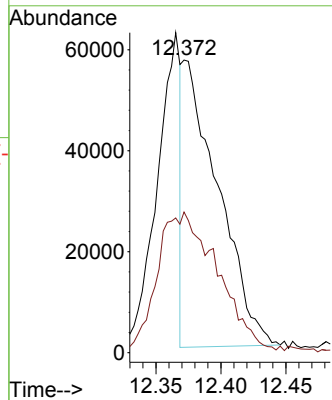
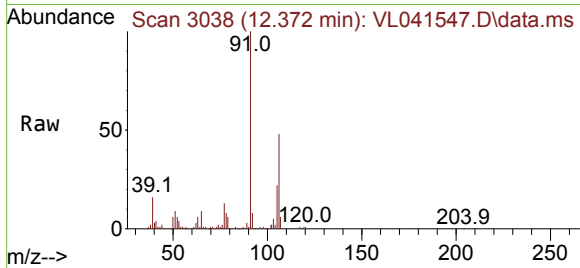
IA1DUP

Tgt Ion: 91 Resp: 107616

Ion Ratio Lower Upper

91 100

106 84.6 36.3 54.5#



#60

o-Xylene

Concen: 0.270 ppbv

RT: 13.082 min Scan# 3259

Delta R.T. 0.003 min

Lab File: VL041547.D

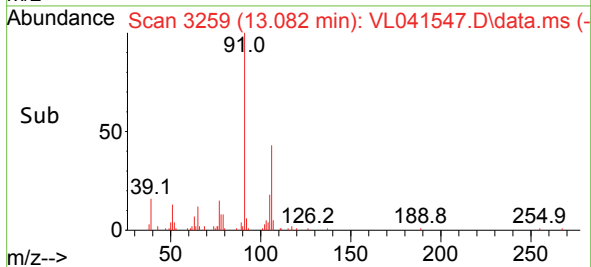
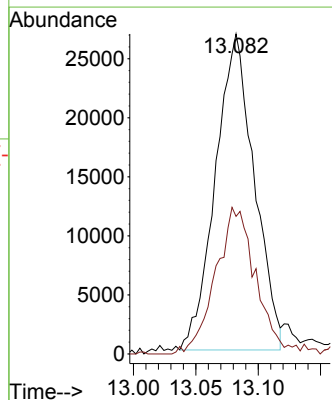
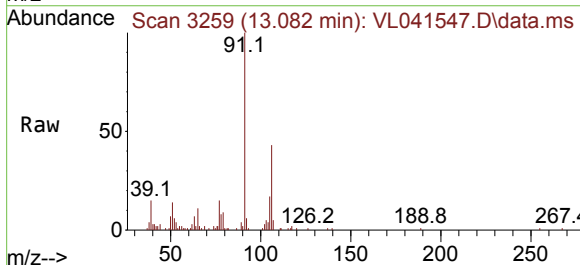
Acq: 19 Aug 2024 14:14

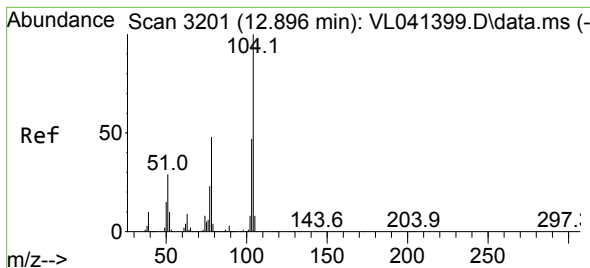
Tgt Ion: 91 Resp: 58030

Ion Ratio Lower Upper

91 100

106 49.6 23.1 69.3





#61

Styrene

Concen: 0.092 ppbv

RT: 12.918 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

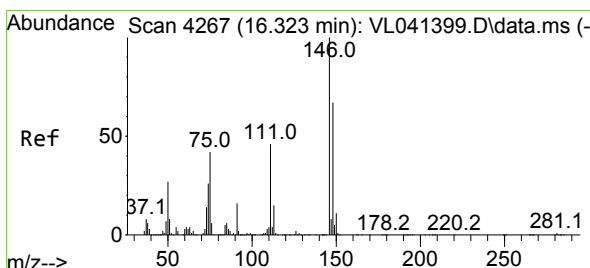
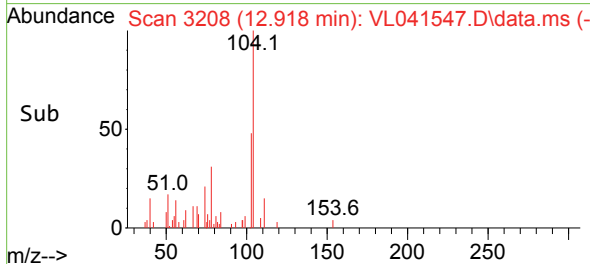
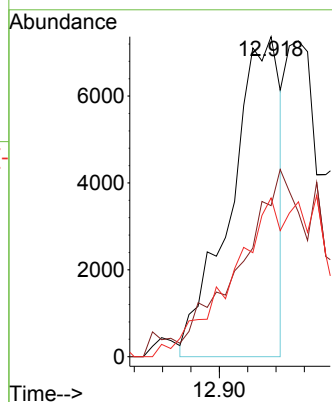
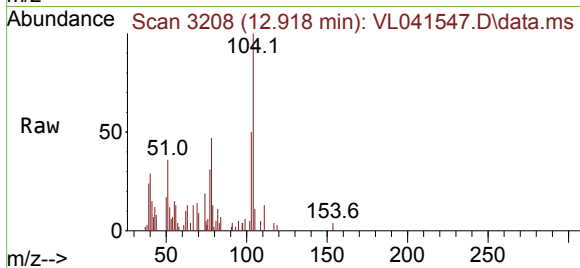
Tgt Ion:104 Resp: 8947

Ion Ratio Lower Upper

104 100

78 120.3 40.8 61.2#

103 0.0 38.2 57.4#



#66

Benzyl Chloride

Concen: 0.053 ppbv

RT: 16.063 min Scan# 4186

Delta R.T. -0.283 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

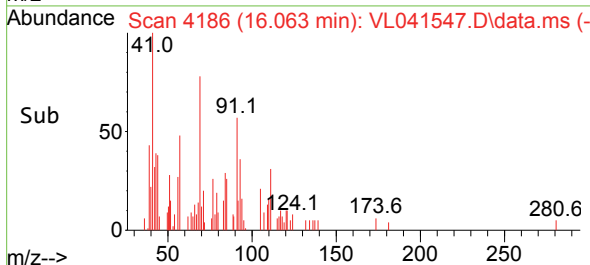
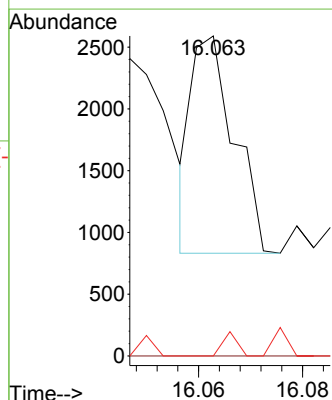
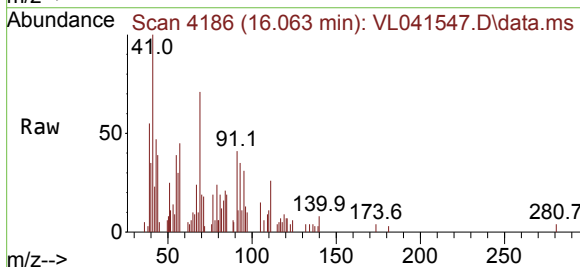
Tgt Ion: 91 Resp: 1002

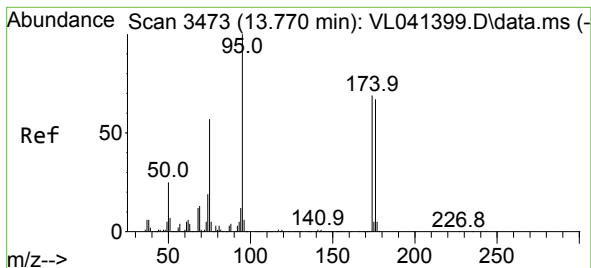
Ion Ratio Lower Upper

91 100

126 3.3 13.8 20.8#

128 6.0 4.4 6.6

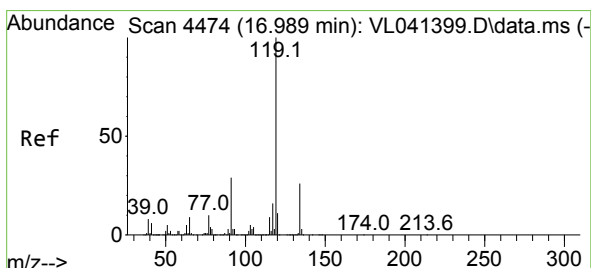
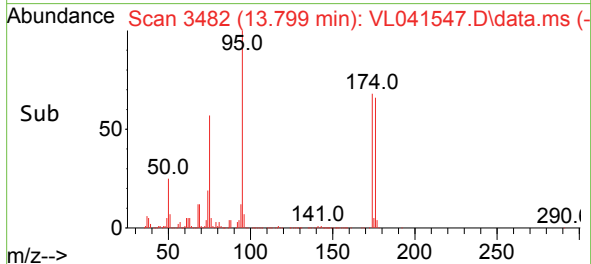
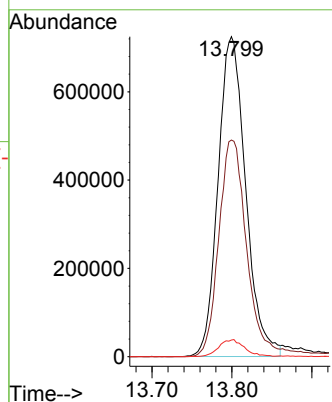
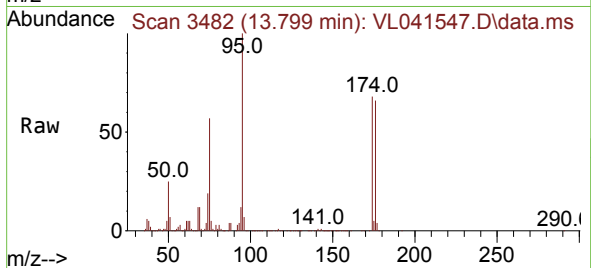




#68
1-Bromo-4-Fluorobenzene
Concen: 9.895 ppbv
RT: 13.799 min Scan# 3473
Delta R.T. 0.000 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

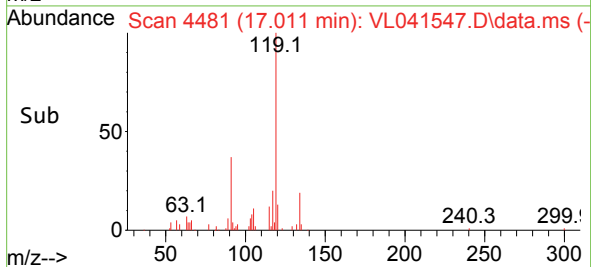
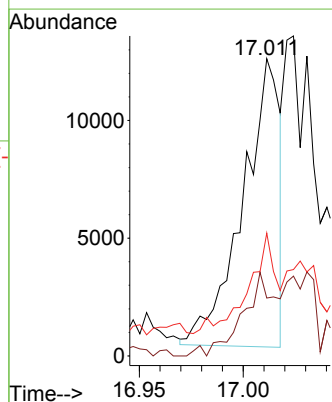
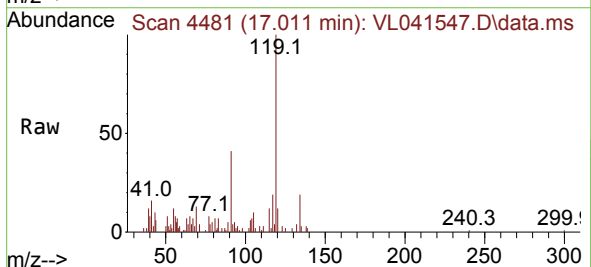
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

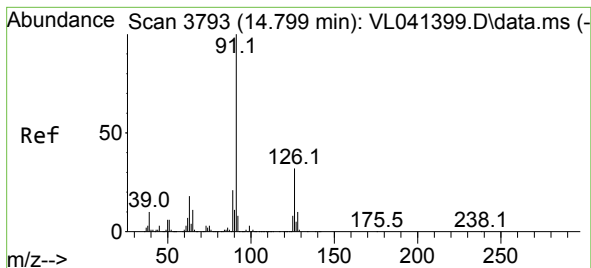
Tgt Ion: 95 Resp: 1737179
Ion Ratio Lower Upper
95 100
174 71.0 56.3 84.5
175 5.2 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.045 ppbv
RT: 17.011 min Scan# 4481
Delta R.T. -0.006 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

Tgt Ion: 119 Resp: 15138
Ion Ratio Lower Upper
119 100
134 0.0 20.5 30.7#
91 97.5 23.2 34.8#

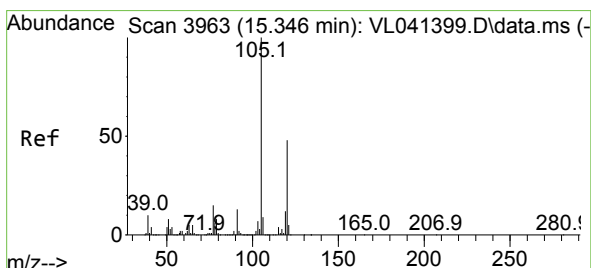
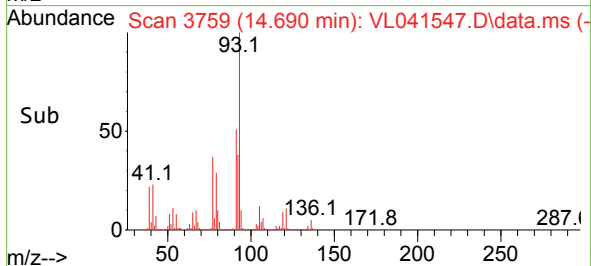
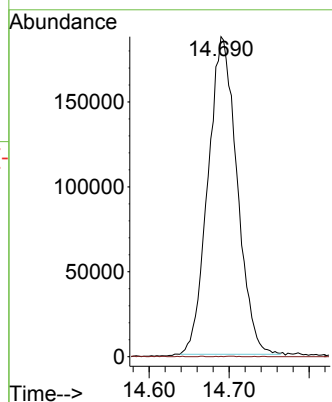
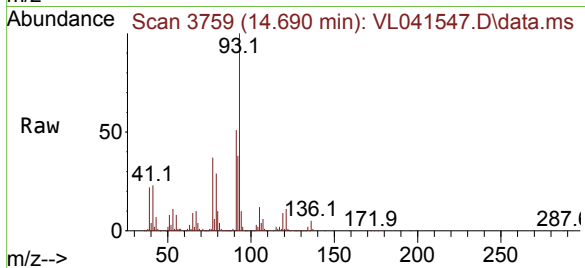




#71
2-Chlorotoluene
Concen: 1.959 ppbv
RT: 14.690 min Scan# 31
Delta R.T. -0.132 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

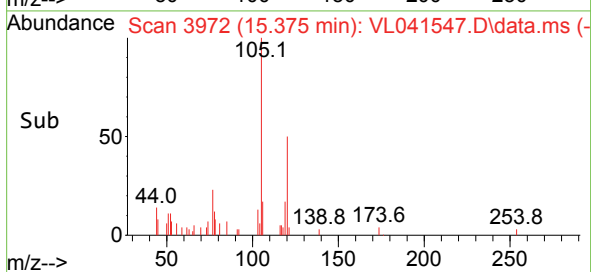
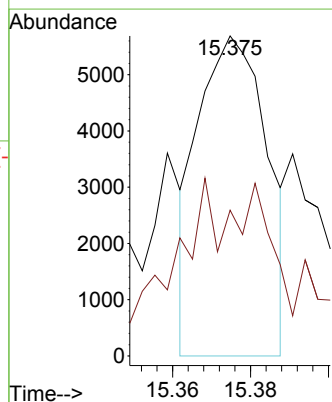
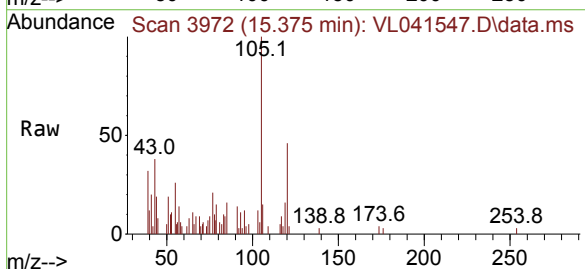
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

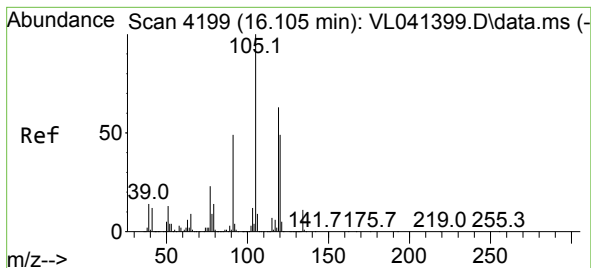
Tgt Ion: 91 Resp: 471661
Ion Ratio Lower Upper
91 100
126 0.1 12.7 50.9#



#73
1,3,5-Trimethylbenzene
Concen: 0.032 ppbv
RT: 15.375 min Scan# 3972
Delta R.T. 0.003 min
Lab File: VL041547.D
Acq: 19 Aug 2024 14:14

Tgt Ion: 105 Resp: 7000
Ion Ratio Lower Upper
105 100
120 29.2 38.6 57.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.142 ppbv

RT: 16.134 min Scan# 4199

Delta R.T. 0.007 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion:105 Resp: 35931

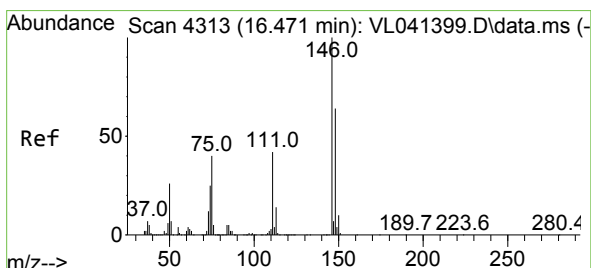
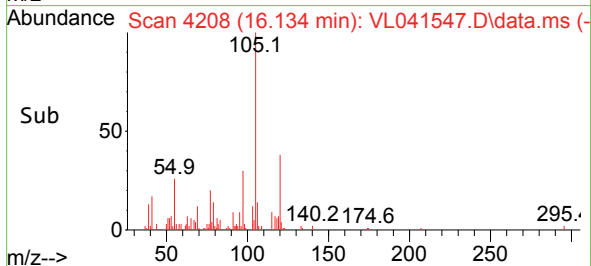
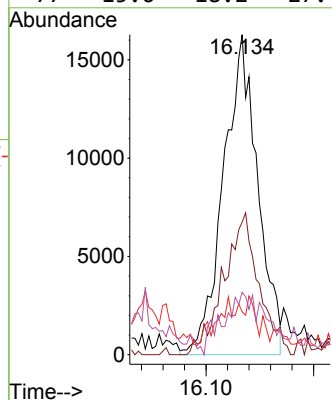
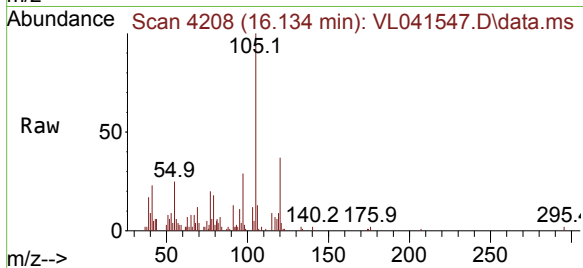
Ion Ratio Lower Upper

105 100

120 41.9 39.5 59.3

91 10.1 39.8 59.8#

77 15.6 18.2 27.4#



#76

1,4-Dichlorobenzene

Concen: 0.052 ppbv

RT: 16.484 min Scan# 4317

Delta R.T. -0.010 min

Lab File: VL041547.D

Acq: 19 Aug 2024 14:14

Tgt Ion:146 Resp: 7969

Ion Ratio Lower Upper

146 100

111 0.0 22.4 67.0#

148 0.0 33.1 99.5#

