

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062322\
 Data File : VW026531.D
 Acq On : 23 Jun 2022 21:55
 Operator : SY/MD
 Sample : N3400-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE7

Quant Time: Jun 24 02:06:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 24 00:51:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	141732	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	126032	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	61363	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.317	65	41770	3.665	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.200%
7) Chloroethane-d5	1.577	69	41642	4.548	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.117	63	55743	2.752	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.000%#
20) 2-Butanone-d5	3.928	46	84158	74.265	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	148.520%#
24) Chloroform-d	4.358	84	100830	5.411	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.200%
26) 1,2-Dichloroethane-d4	5.040	65	44566	6.210	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	124.200%
32) Benzene-d6	5.059	84	182568	5.043	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
36) 1,2-Dichloropropane-d6	6.075	67	60279	6.055	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.200%
41) Toluene-d8	7.320	98	129236	3.970	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.400%
43) trans-1,3-Dichloroprop...	7.632	79	9806	3.811	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.200%
46) 2-Hexanone-d5	8.091	63	76583	78.138	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	156.280%#
56) 1,1,2,2-Tetrachloroeth...	10.217	84	43954	6.749	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	135.000%#
66) 1,2-Dichlorobenzene-d4	11.622	152	55719	5.487	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	446	0.038	ug/L #	74
5) Vinyl chloride	1.320	62	933	0.074	ug/L #	1
8) Chloroethane	1.471	64	485933	56.854	ug/L #	55
12) 1,1-Dichloroethene	2.127	96	1987	0.208	ug/L #	1
14) Carbon disulfide	2.304	76	14162	0.561	ug/L	98
15) Methyl Acetate	2.542	43	8125	3.919	ug/L #	47
16) Methylene chloride	2.519	84	3754	0.369	ug/L	95
18) trans-1,2-Dichloroethene	2.777	96	4312	0.442	ug/L	99
19) 1,1-Dichloroethane	3.204	63	14664	0.836	ug/L	98
22) cis-1,2-Dichloroethene	3.931	96	13812	1.424	ug/L	98
27) 1,2-Dichloroethane	5.140	62	21267	2.547	ug/L	98
30) Cyclohexane	4.686	56	38755	3.156	ug/L	99
33) Benzene	5.104	78	1746144	47.450	ug/L	100
35) Methylcyclohexane	6.133	83	49906	3.487	ug/L	95
39) cis-1,3-Dichloropropene	6.995	75	970	0.109	ug/L #	60
40) 4-Methyl-2-pentanone	7.249	43	1889	0.631	ug/L #	67
42) Toluene	7.397	91	20673	0.544	ug/L	95
44) trans-1,3-Dichloropropene	7.876	75	604	0.091	ug/L	98
45) 1,1,2-Trichloroethane	7.786	97	2635	0.471	ug/L #	29

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

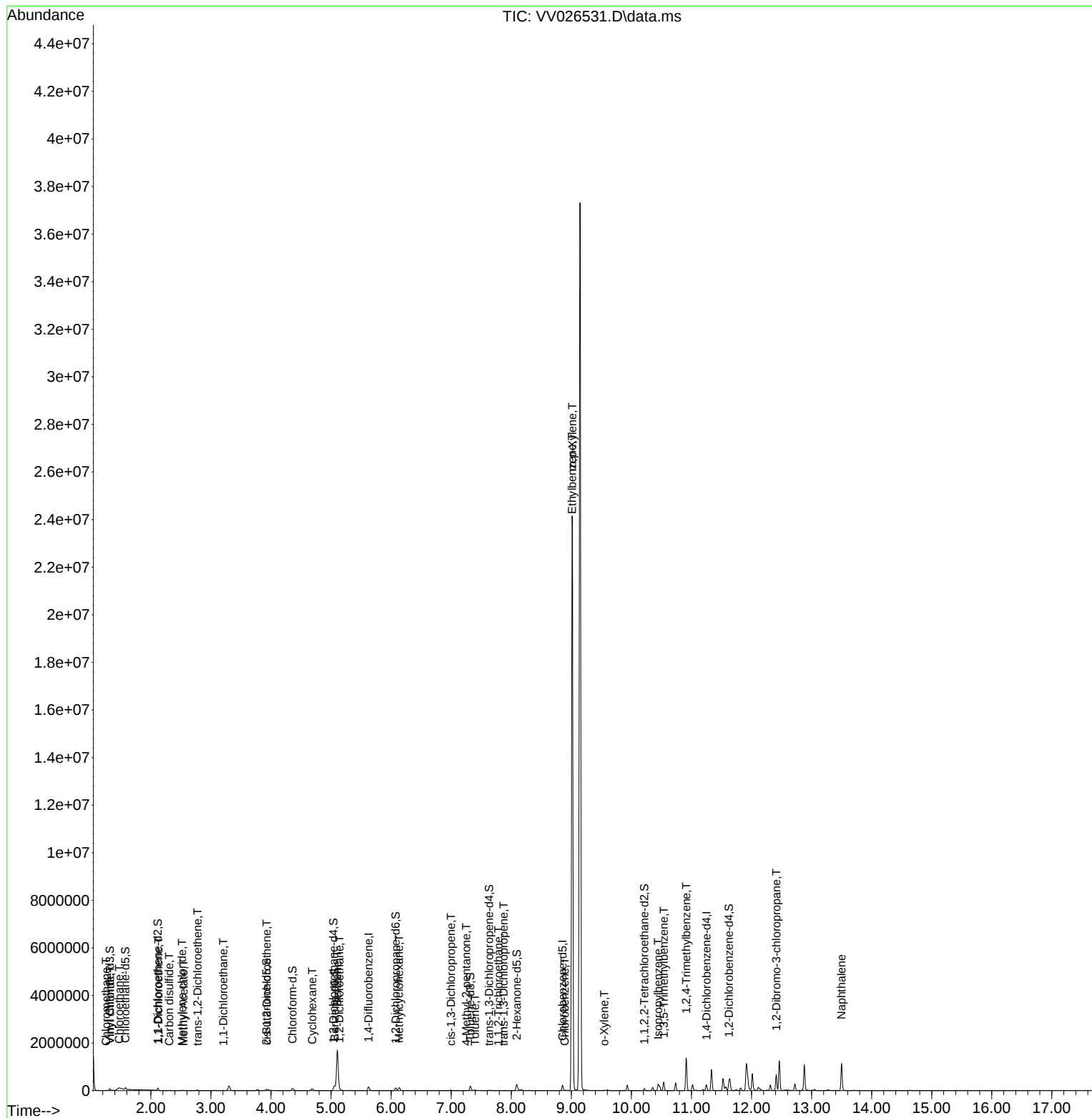
51) Chlorobenzene	8.889	112	2016	0.081	ug/L	93
52) Ethylbenzene	9.011	91	15184796	386.488	ug/L	84
53) m,p-Xylene	9.014	106	5687765	371.099	ug/L	83
54) o-Xylene	9.548	106	5351	0.372	ug/L	98
60) Isopropylbenzene	10.448	105	180048	4.758	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.538	105	189502	6.335	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	734917	24.914	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.413	75	2504	3.514	ug/L #	1
71) Naphthalene	13.500	128	880104	72.180	ug/L	100

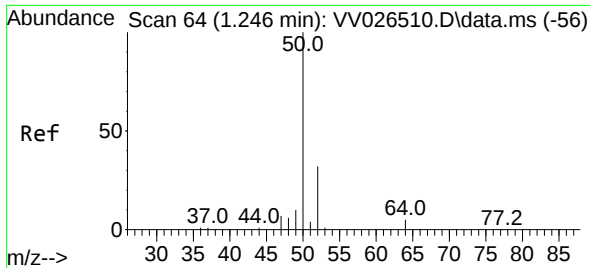
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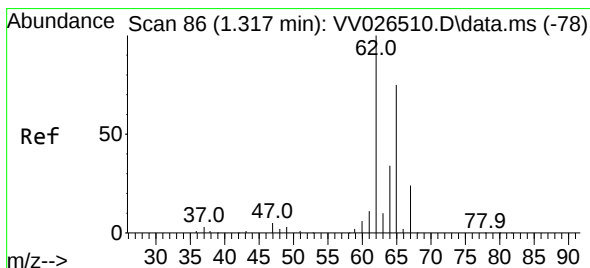
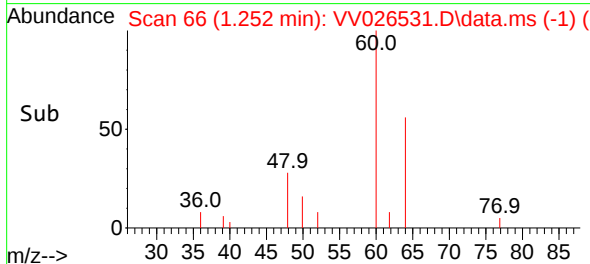
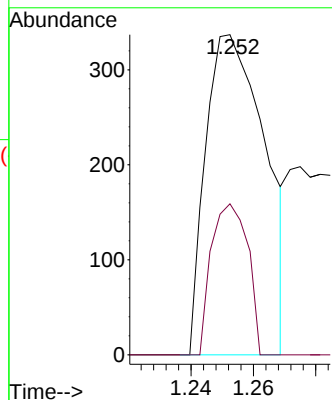
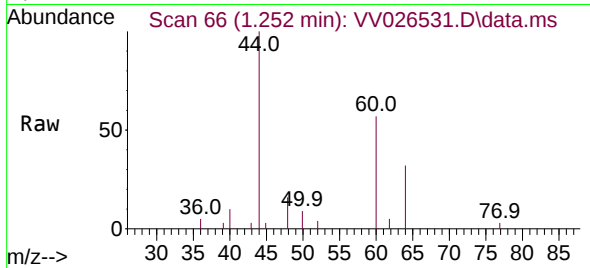




#3
Chloromethane
Concen: 0.038 ug/L
RT: 1.252 min Scan# 60
Delta R.T. 0.006 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

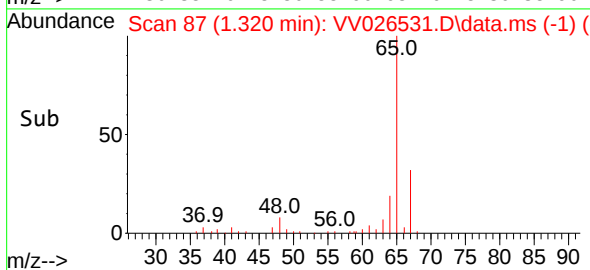
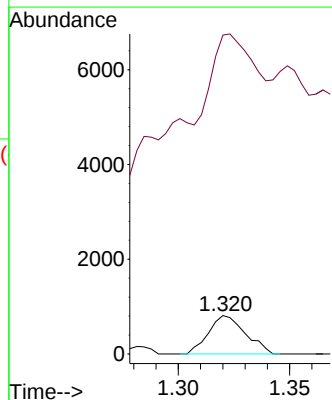
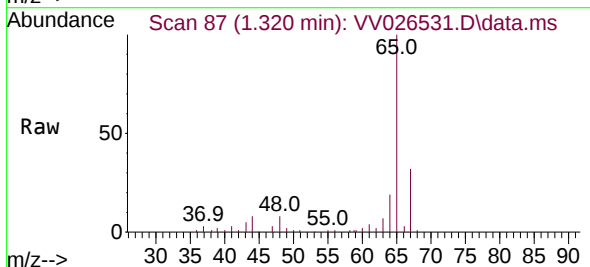
Instrument :
MSVOA_V
ClientSampleId :
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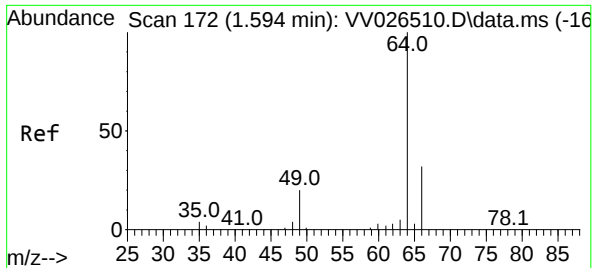
Tgt Ion: 50 Resp: 446
Ion Ratio Lower Upper
50 100
52 47.2 23.0 42.6#



#5
Vinyl chloride
Concen: 0.074 ug/L
RT: 1.320 min Scan# 87
Delta R.T. 0.003 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

Tgt Ion: 62 Resp: 933
Ion Ratio Lower Upper
62 100
64 829.8 26.2 48.6#

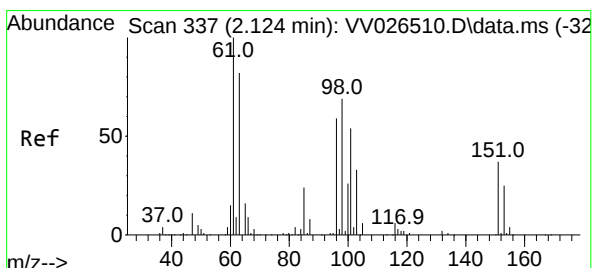
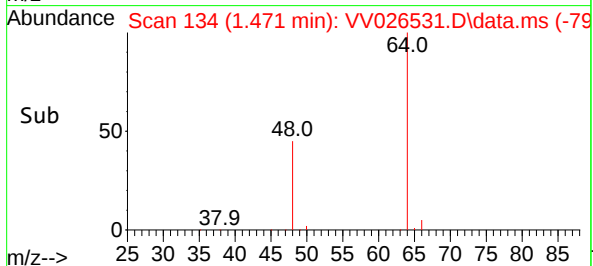
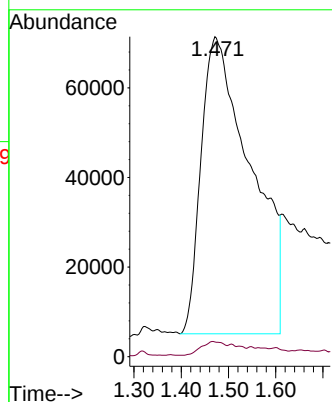
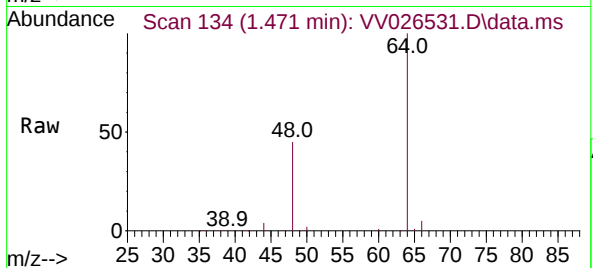




#8
Chloroethane
Concen: 56.854 ug/L
RT: 1.471 min Scan# 11
Delta R.T. -0.122 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

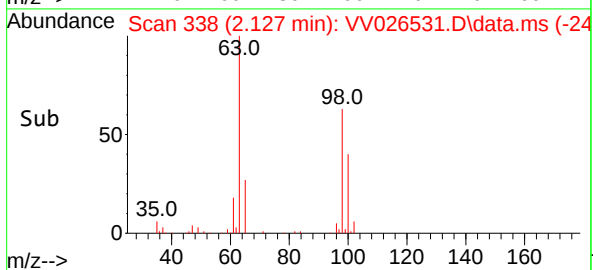
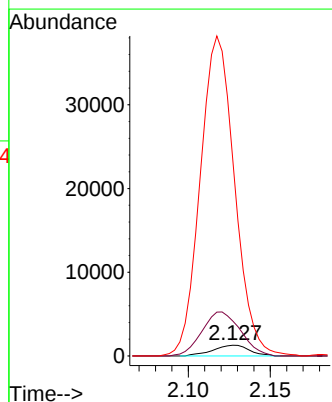
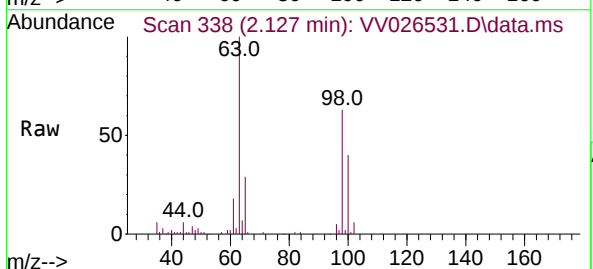
Instrument :
MSVOA_V
ClientSampleId :
C0AE7

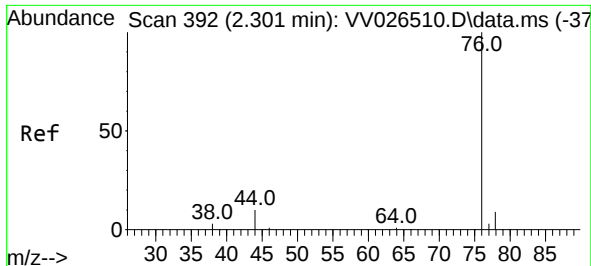
Tgt Ion: 64 Resp: 485933
Ion Ratio Lower Upper
64 100
66 4.6 20.0 37.2#



#12
1,1-Dichloroethene
Concen: 0.208 ug/L
RT: 2.127 min Scan# 338
Delta R.T. 0.003 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

Tgt Ion: 96 Resp: 1987
Ion Ratio Lower Upper
96 100
61 326.0 115.4 214.4#
63 1836.1 87.4 162.2#

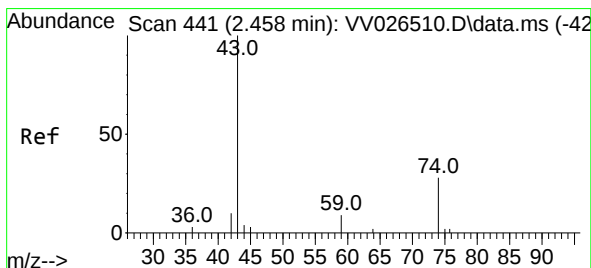
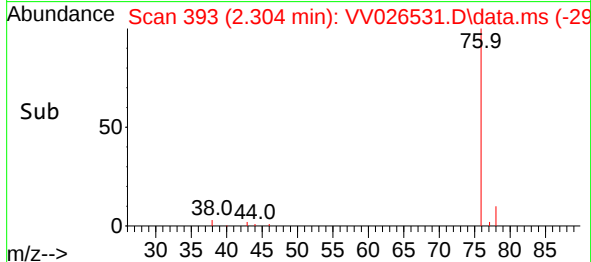
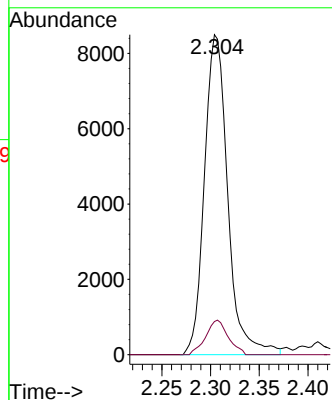
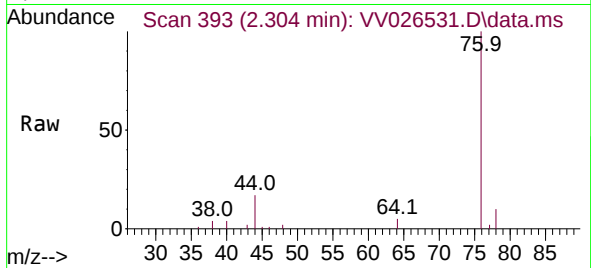




#14
Carbon disulfide
Concen: 0.561 ug/L
RT: 2.304 min Scan# 392
Delta R.T. 0.003 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

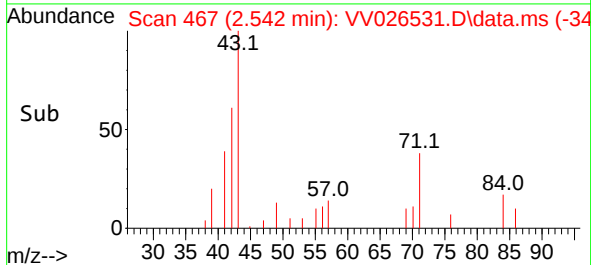
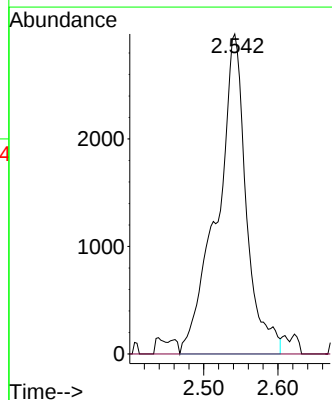
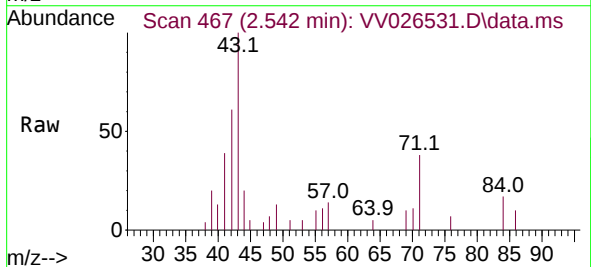
Instrument :
MSVOA_V
ClientSampleId :
C0AE7

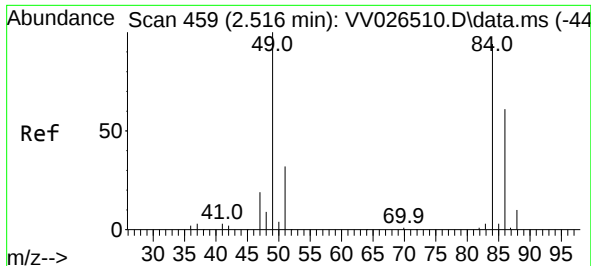
Tgt Ion: 76 Resp: 14162
Ion Ratio Lower Upper
76 100
78 10.4 7.8 11.6



#15
Methyl Acetate
Concen: 3.919 ug/L
RT: 2.542 min Scan# 467
Delta R.T. 0.083 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

Tgt Ion: 43 Resp: 8125
Ion Ratio Lower Upper
43 100
74 0.0 22.1 33.1#

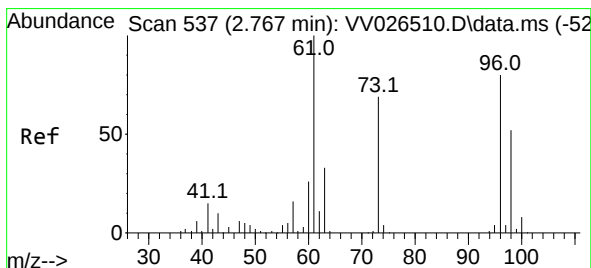
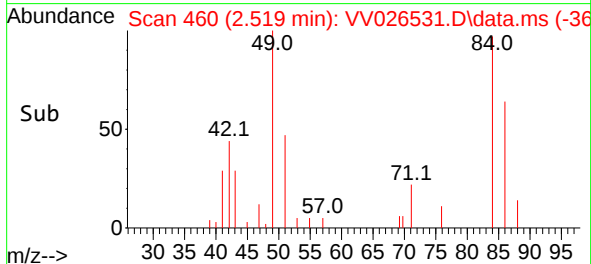
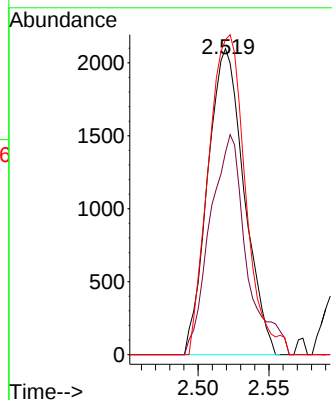
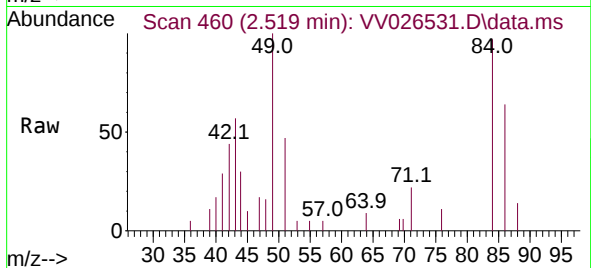




#16
Methylene chloride
Concen: 0.369 ug/L
RT: 2.519 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

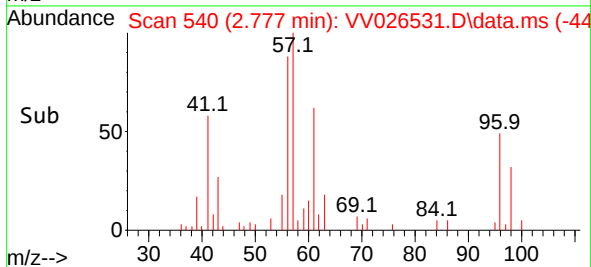
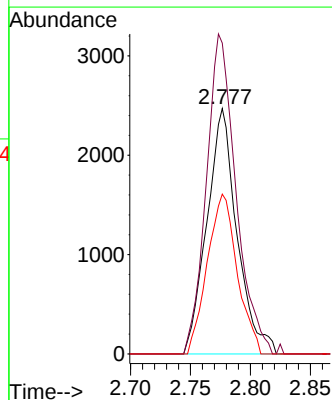
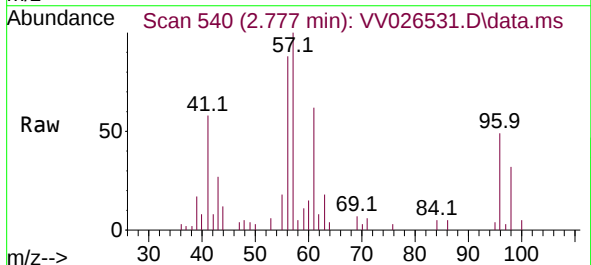
Instrument :
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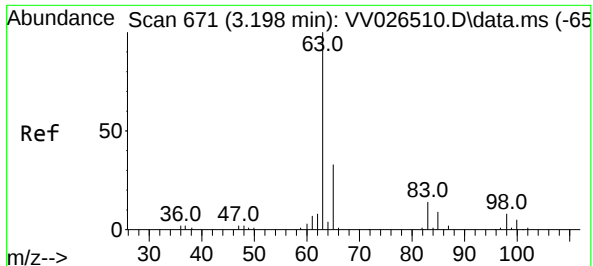
Tgt Ion: 84 Resp: 3754
Ion Ratio Lower Upper
84 100
86 66.1 46.0 85.4
49 102.9 77.7 144.3



#18
trans-1,2-Dichloroethene
Concen: 0.442 ug/L
RT: 2.777 min Scan# 540
Delta R.T. 0.009 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

Tgt Ion: 96 Resp: 4312
Ion Ratio Lower Upper
96 100
61 126.7 90.4 167.8
98 65.1 45.6 84.8





#19

1,1-Dichloroethane

Concen: 0.836 ug/L

RT: 3.204 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV026531.D

Acq: 23 Jun 2022 21:55

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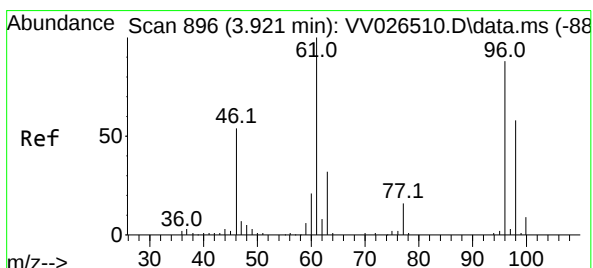
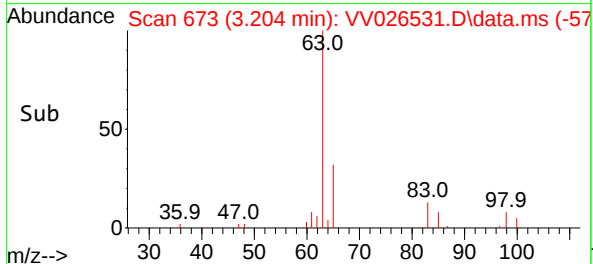
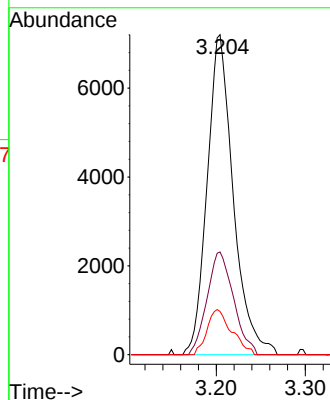
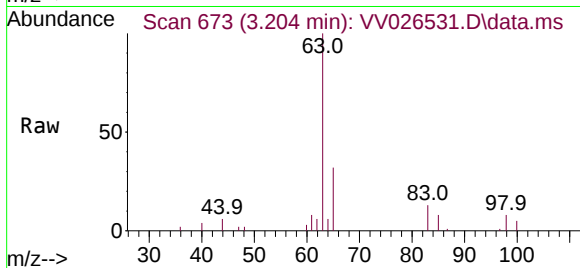
Tgt Ion: 63 Resp: 14664

Ion Ratio Lower Upper

63 100

65 32.1 23.0 42.6

83 13.5 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 1.424 ug/L

RT: 3.931 min Scan# 899

Delta R.T. 0.009 min

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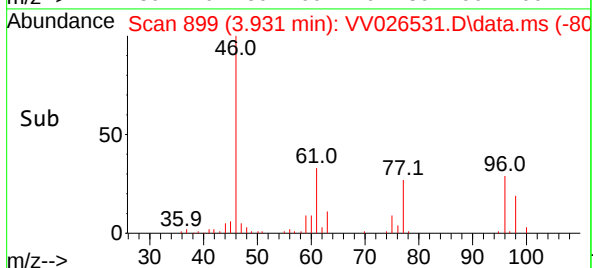
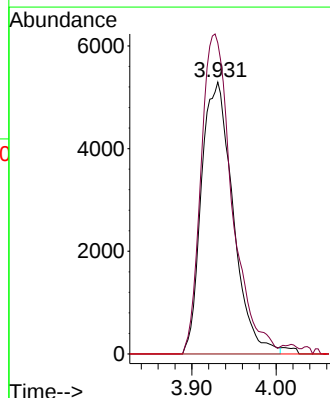
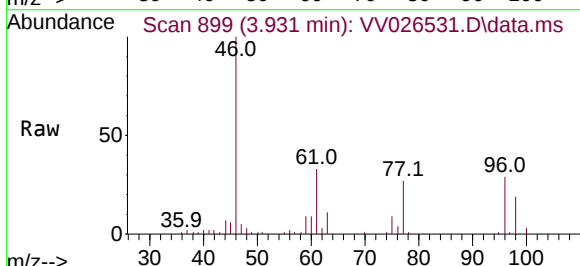
Tgt Ion: 96 Resp: 13812

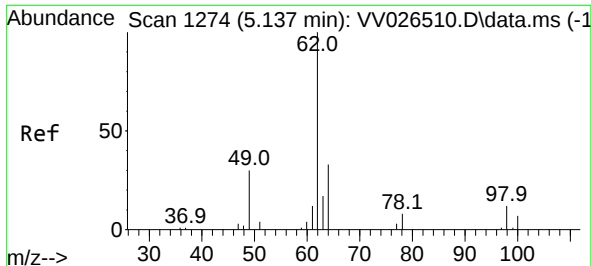
Ion Ratio Lower Upper

96 100

61 114.4 82.0 152.2

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 2.547 ug/L

RT: 5.140 min Scan# 1127

Delta R.T. 0.003 min

Lab File: VV026531.D

Acq: 23 Jun 2022 21:55

Instrument :

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ClientSampleId :

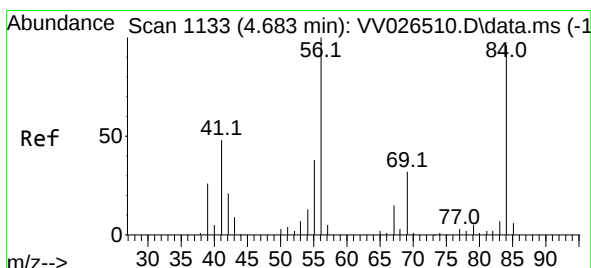
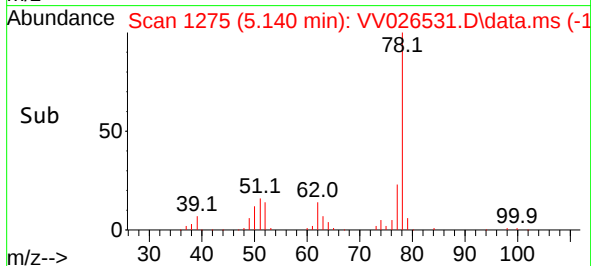
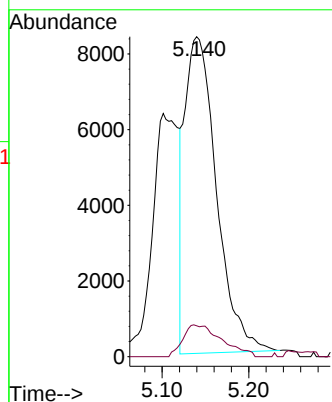
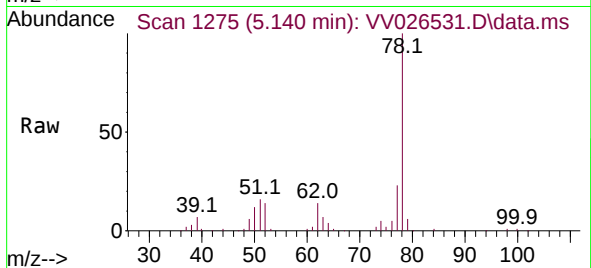
C0AE7

Tgt Ion: 62 Resp: 21267

Ion Ratio Lower Upper

62 100

98 9.6 8.4 12.6



#30

Cyclohexane

Concen: 3.156 ug/L

RT: 4.686 min Scan# 1134

Delta R.T. 0.003 min

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Acq: 23 Jun 2022 21:55

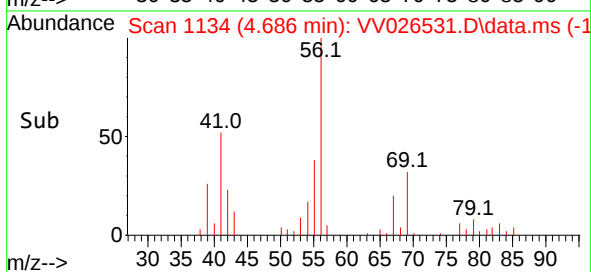
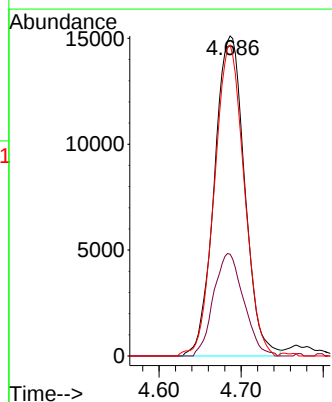
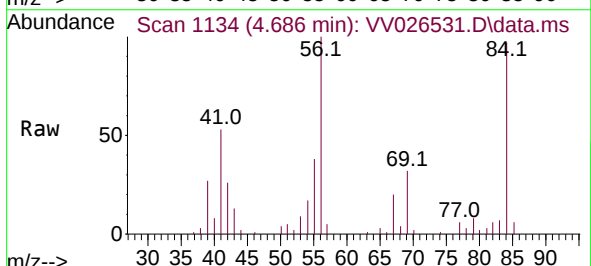
Tgt Ion: 56 Resp: 38755

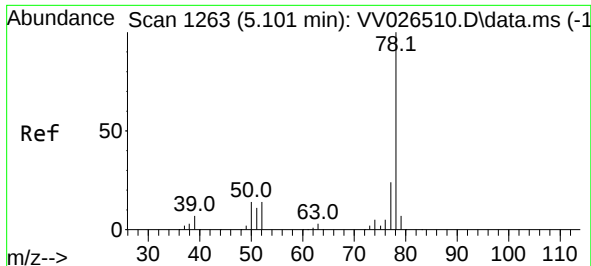
Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.2

84 95.3 77.8 116.6

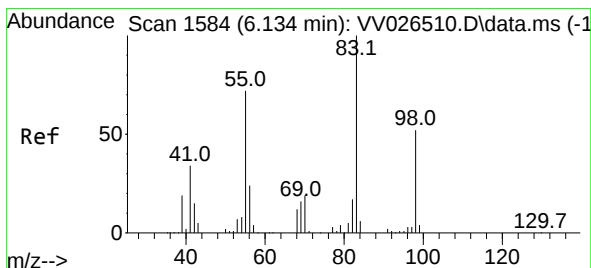
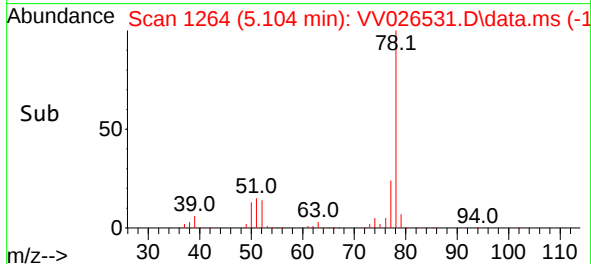
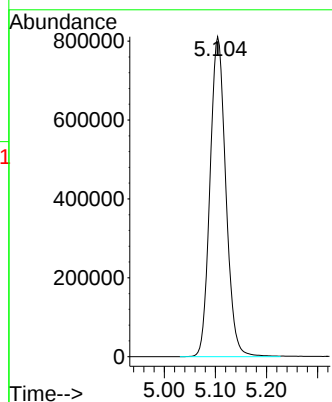
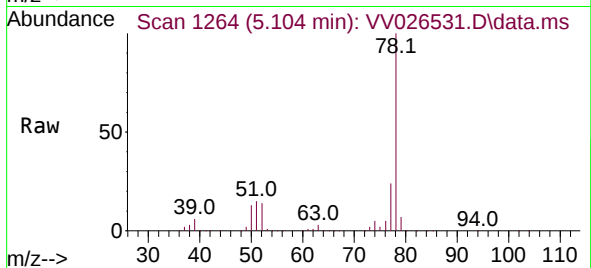




#33
Benzene
Concen: 47.450 ug/L
RT: 5.104 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

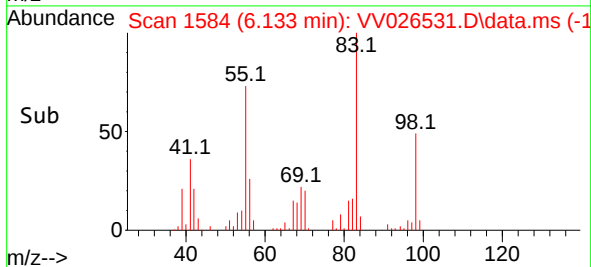
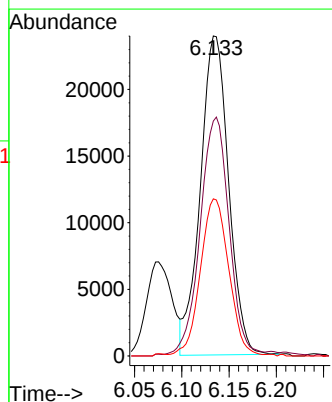
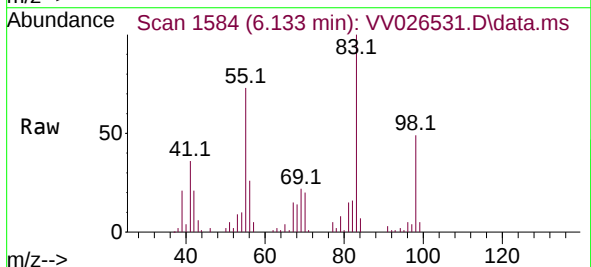
Instrument :
MSVOA_V
ClientSampleId :
C0AE7

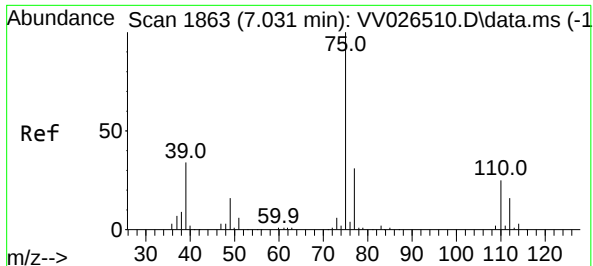
Tgt Ion: 78 Resp: 1746144



#35
Methylcyclohexane
Concen: 3.487 ug/L
RT: 6.133 min Scan# 1584
Delta R.T. -0.000 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

Tgt Ion: 83 Resp: 49906
Ion Ratio Lower Upper
83 100
55 77.0 57.0 85.4
98 48.2 39.8 59.8





#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 6.995 min Scan# 11

Delta R.T. -0.036 min

Lab File: VV026531.D

Acq: 23 Jun 2022 21:55

Instrument :

MSVOA_V

ClientSampleId :

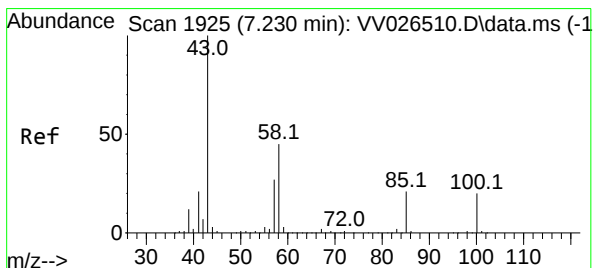
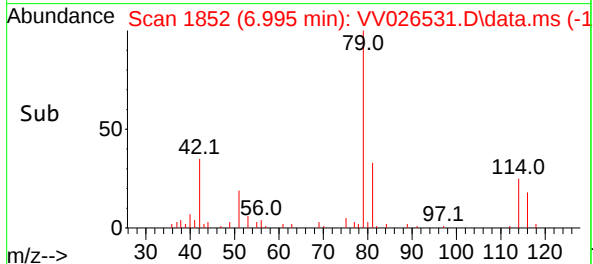
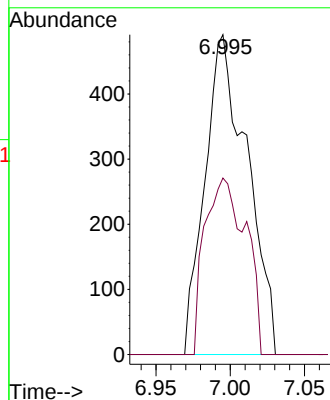
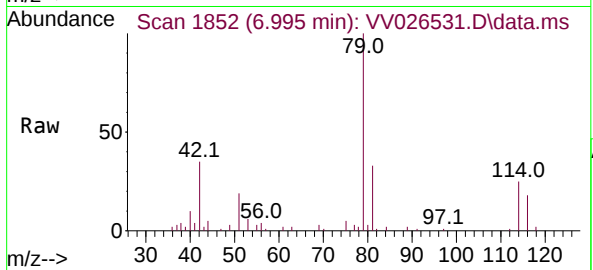
C0AE7

Tgt Ion: 75 Resp: 970

Ion Ratio Lower Upper

75 100

77 55.2 22.8 42.4#



#40

4-Methyl-2-pentanone

Concen: 0.631 ug/L

RT: 7.249 min Scan# 1931

Delta R.T. 0.019 min

Lab File: VV026531.D

Acq: 23 Jun 2022 21:55

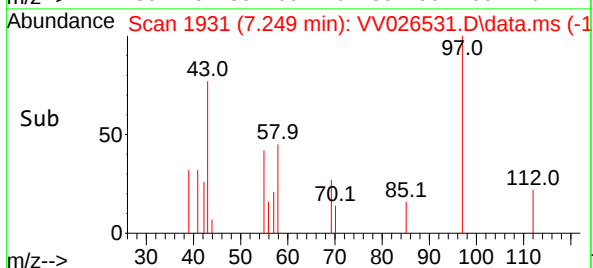
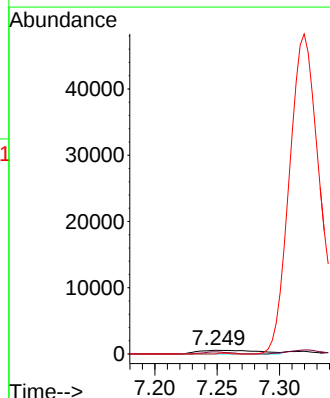
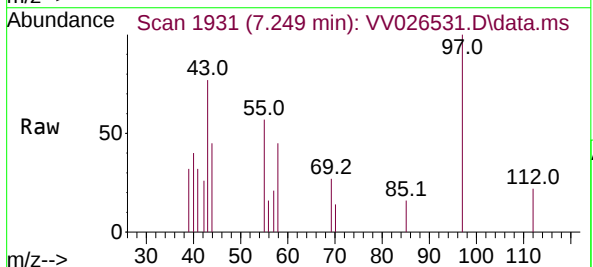
Tgt Ion: 43 Resp: 1889

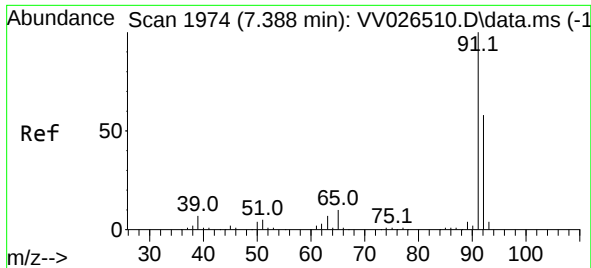
Ion Ratio Lower Upper

43 100

58 23.1 33.3 49.9#

100 0.0 14.3 21.5#





#42

Toluene

Concen: 0.544 ug/L

RT: 7.397 min Scan# 11

Delta R.T. 0.009 min

Lab File: VV026531.D

Acq: 23 Jun 2022 21:55

Instrument :

MSVOA_V

ClientSampleId :

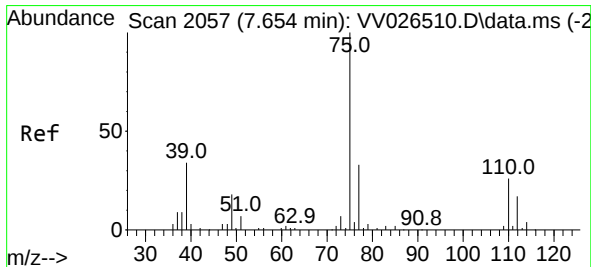
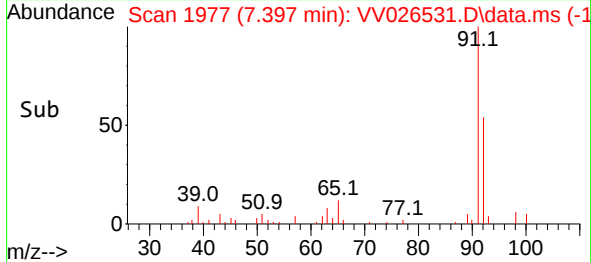
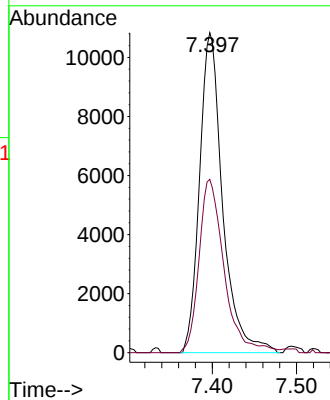
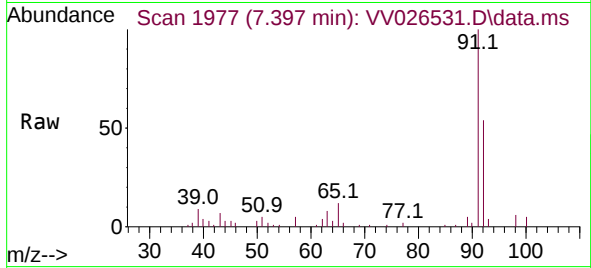
C0AE7

Tgt Ion: 91 Resp: 20673

Ion Ratio Lower Upper

91 100

92 54.2 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.876 min Scan# 2126

Delta R.T. 0.222 min

Lab File: VV026531.D

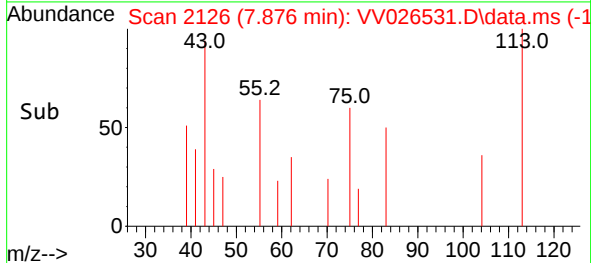
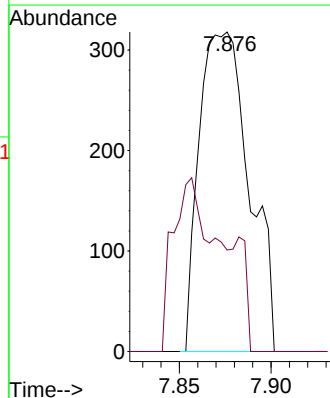
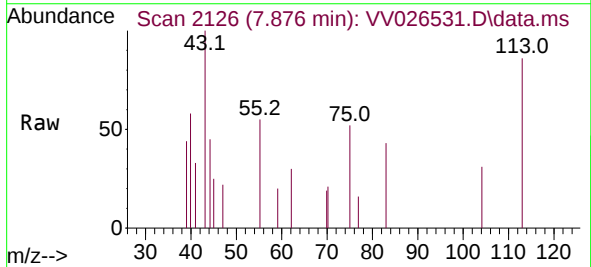
Acq: 23 Jun 2022 21:55

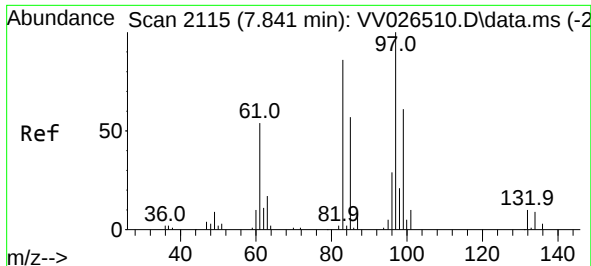
Tgt Ion: 75 Resp: 604

Ion Ratio Lower Upper

75 100

77 31.8 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 0.471 ug/L

RT: 7.786 min Scan# 2098

Delta R.T. -0.055 min

Lab File: VV026531.D

Acq: 23 Jun 2022 21:55

Instrument :

MSVOA_V

ClientSampleId :

C0AE7

Tgt Ion: 97 Resp: 2635

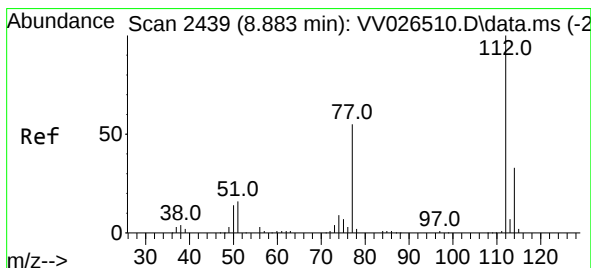
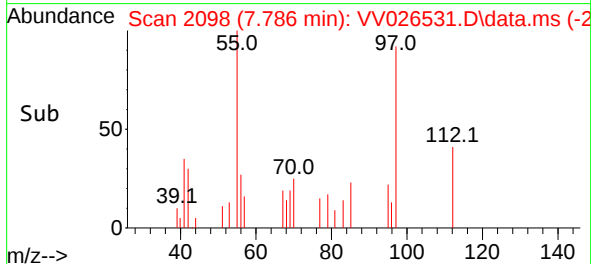
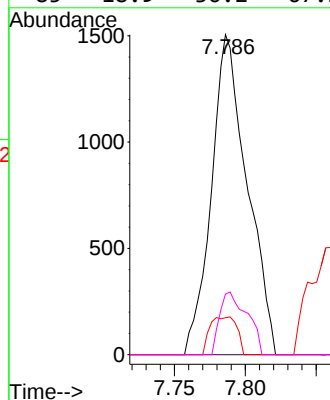
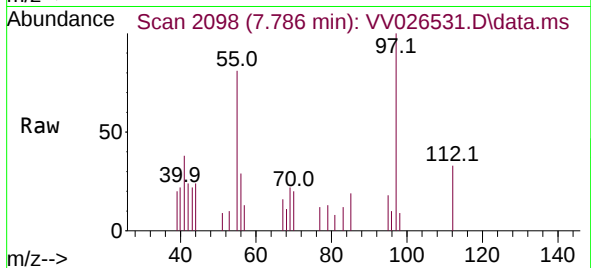
Ion Ratio Lower Upper

97 100

99 0.0 43.4 80.6#

83 11.6 58.0 107.8#

85 18.9 36.2 67.2#



#51

Chlorobenzene

Concen: 0.081 ug/L

RT: 8.889 min Scan# 2441

Delta R.T. 0.006 min

Lab File: VV026531.D

Acq: 23 Jun 2022 21:55

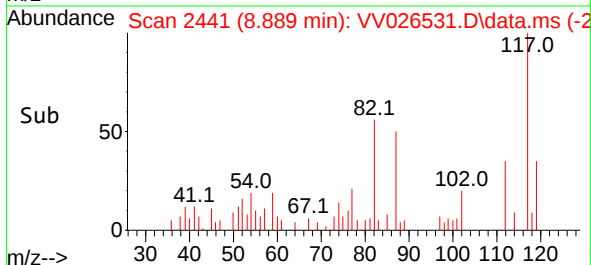
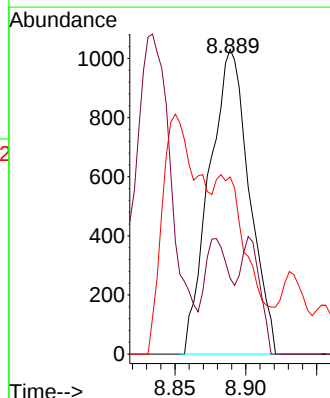
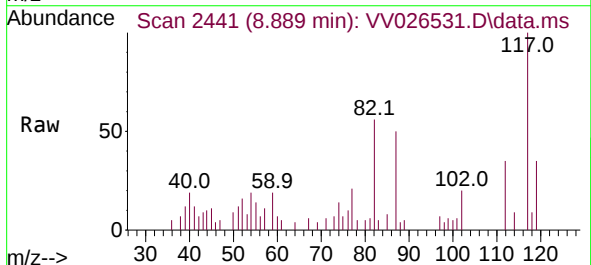
Tgt Ion: 112 Resp: 2016

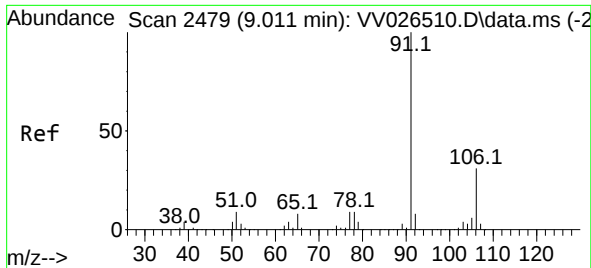
Ion Ratio Lower Upper

112 100

114 24.9 22.3 41.5

77 58.1 44.4 66.6

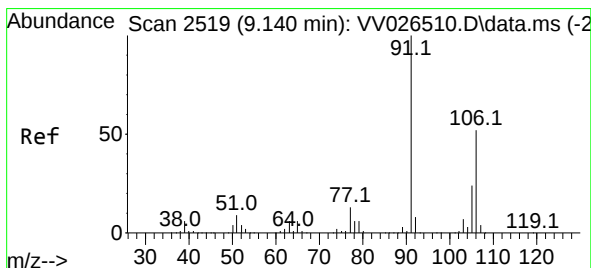
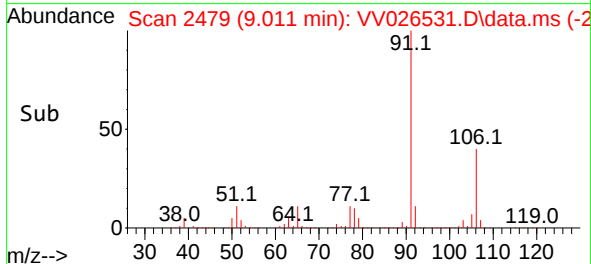
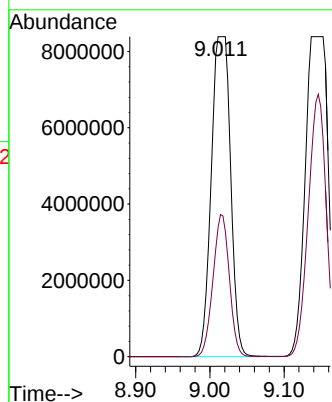
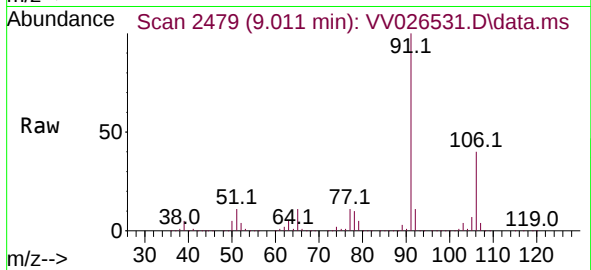




#52
Ethylbenzene
Concen: 386.488 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. -0.000 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

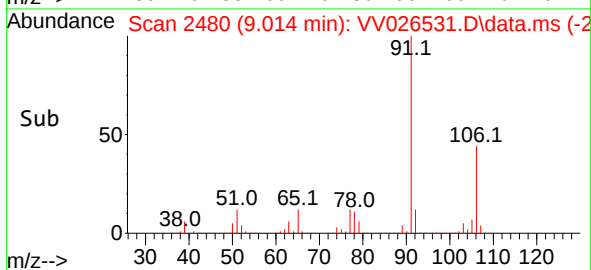
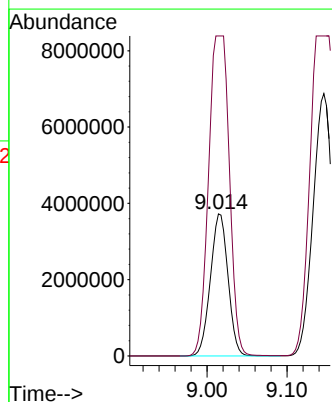
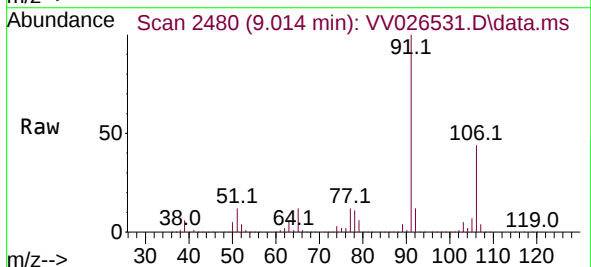
Instrument :
MSVOA_V
ClientSampleId :
C0AE7

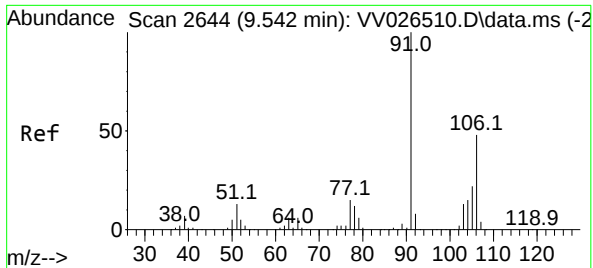
Tgt Ion: 91 Resp:15184796
Ion Ratio Lower Upper
91 100
106 40.5 22.1 41.1



#53
m,p-Xylene
Concen: 371.099 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. -0.126 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

Tgt Ion:106 Resp: 5687765
Ion Ratio Lower Upper
106 100
91 225.2 139.9 259.9

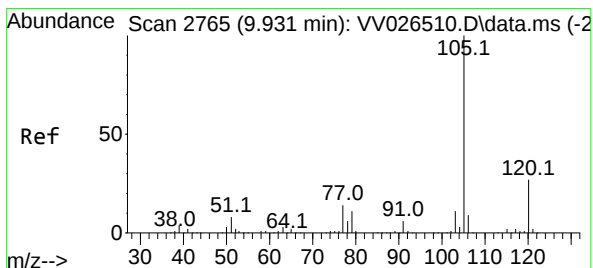
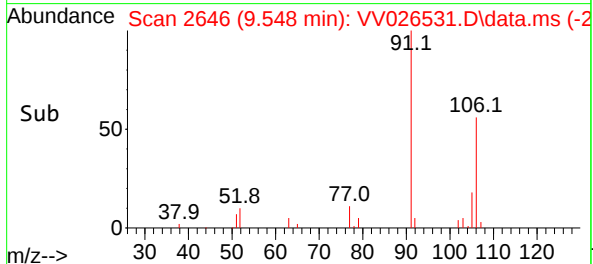
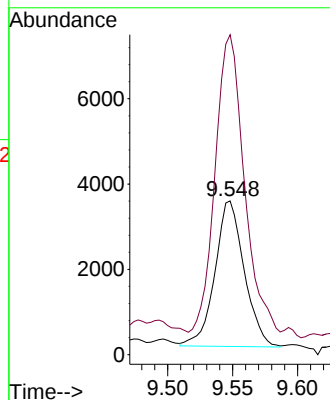
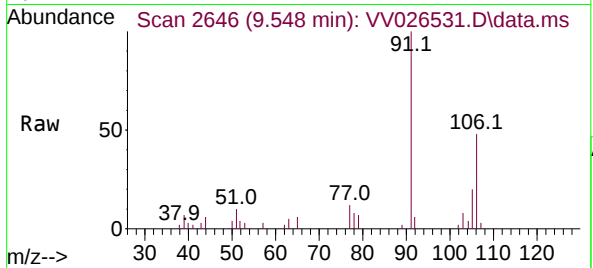




#54
o-Xylene
Concen: 0.372 ug/L
RT: 9.548 min Scan# 20
Delta R.T. 0.006 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

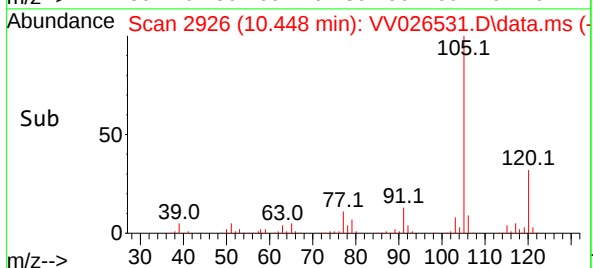
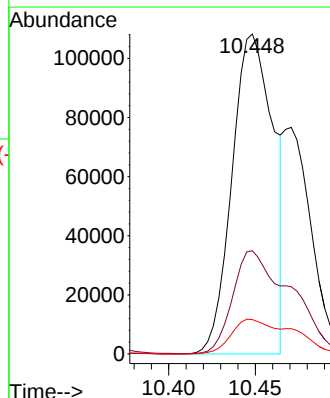
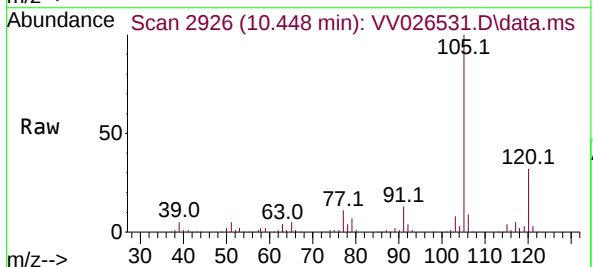
Instrument :
MSVOA_V
ClientSampleId :
C0AE7

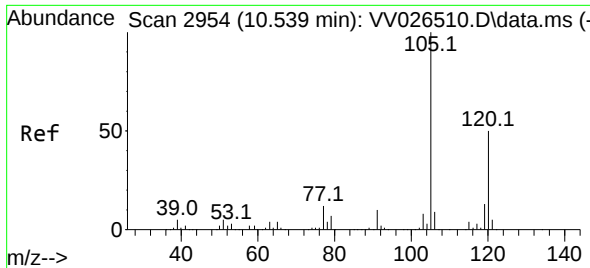
Tgt Ion:106 Resp: 5351
Ion Ratio Lower Upper
106 100
91 208.2 147.5 273.9



#60
Isopropylbenzene
Concen: 4.758 ug/L
RT: 10.448 min Scan# 2926
Delta R.T. 0.517 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

Tgt Ion:105 Resp: 180048
Ion Ratio Lower Upper
105 100
120 45.5 21.4 32.2#
77 0.0 11.6 17.4#

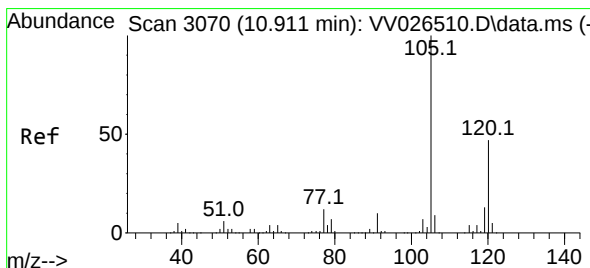
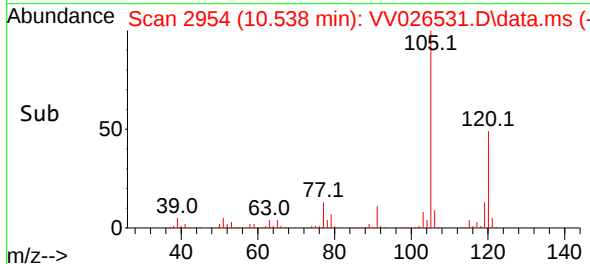
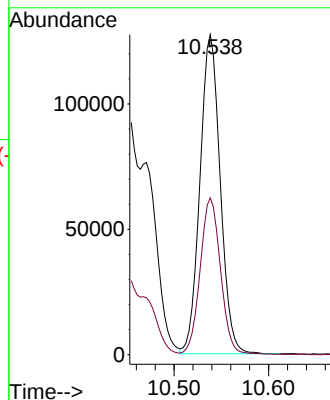
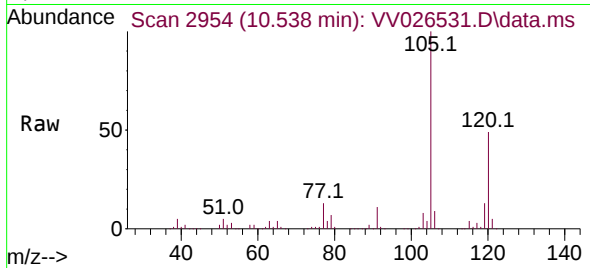




#62
 1,3,5-Trimethylbenzene
 Concen: 6.335 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. -0.000 min
 Lab File: VV026531.D
 Acq: 23 Jun 2022 21:55

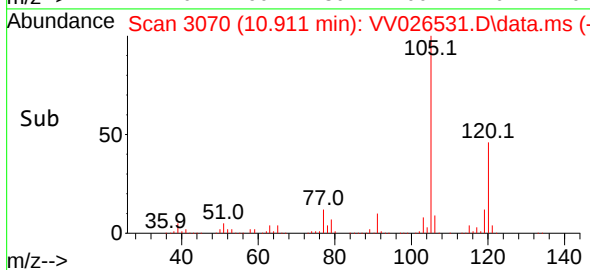
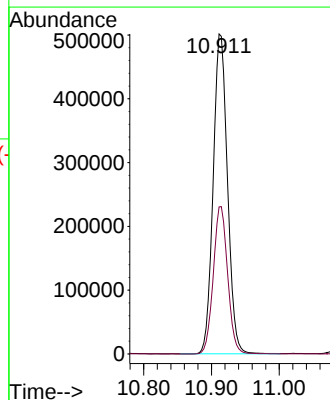
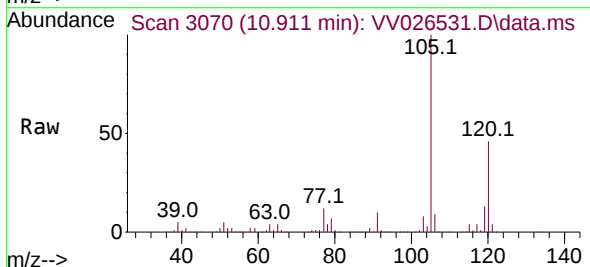
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE7

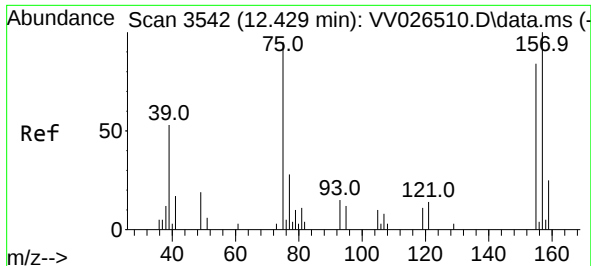
Tgt Ion:105 Resp: 189502
 Ion Ratio Lower Upper
 105 100
 120 49.3 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 24.914 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. -0.000 min
 Lab File: VV026531.D
 Acq: 23 Jun 2022 21:55

Tgt Ion:105 Resp: 734917
 Ion Ratio Lower Upper
 105 100
 120 46.3 37.4 56.2

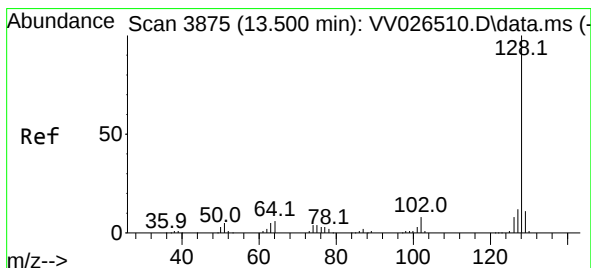
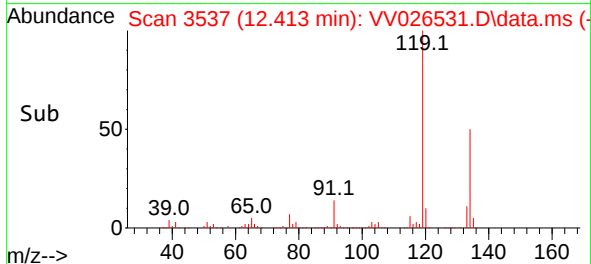
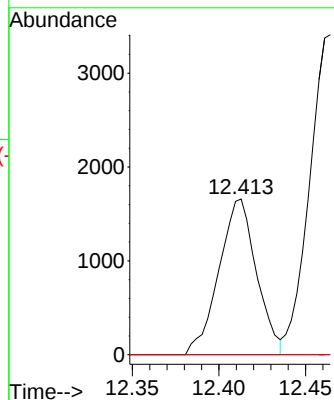
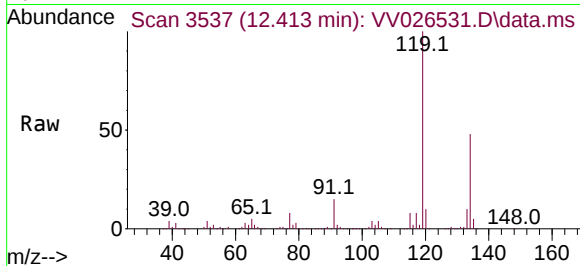




#68
1,2-Dibromo-3-chloropropane
Concen: 3.514 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.016 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

Instrument :
MSVOA_V
ClientSampleId :
C0AE7

Tgt Ion: 75 Resp: 2504
Ion Ratio Lower Upper
75 100
155 0.0 74.7 112.1#
157 0.0 96.9 145.3#



#71
Naphthalene
Concen: 72.180 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. -0.000 min
Lab File: VV026531.D
Acq: 23 Jun 2022 21:55

Tgt Ion: 128 Resp: 880104
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 12.6 10.2 15.4

