

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062022\
 Data File : VW026466.D
 Acq On : 20 Jun 2022 23:24
 Operator : SY/MD
 Sample : N3401-05
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 21 05:41:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 21 05:26:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.626	114	184203	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	169363	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	71091	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	68062	4.254	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.000%
7) Chloroethane-d5	1.584	69	60526	4.811	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.124	63	99077	3.606	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.200%
20) 2-Butanone-d5	3.928	46	92224	59.074	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.140%
24) Chloroform-d	4.365	84	131343	5.601	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.000%
26) 1,2-Dichloroethane-d4	5.044	65	52454	5.287	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.800%
32) Benzene-d6	5.060	84	260118	5.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.800%
36) 1,2-Dichloropropane-d6	6.076	67	76478	5.787	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.800%
41) Toluene-d8	7.320	98	216123	5.235	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.600%
43) trans-1,3-Dichloroprop...	7.632	79	13836	3.229	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.600%
46) 2-Hexanone-d5	8.092	63	68217	52.700	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.400%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	49094	6.031	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.600%#
66) 1,2-Dichlorobenzene-d4	11.622	152	70007	6.393	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	127.800%#
Target Compounds						Qvalue
3) Chloromethane	1.256	50	4787	0.313	ug/L	91
5) Vinyl chloride	1.327	62	1007	0.063	ug/L #	1
6) Bromomethane	1.539	94	434	0.049	ug/L #	59
8) Chloroethane	1.600	64	5138	0.521	ug/L #	55
14) Carbon disulfide	2.311	76	26277	0.916	ug/L	100
33) Benzene	5.121	78	4978	0.115	ug/L	100
35) Methylcyclohexane	6.076	83	17988	1.097	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	8429	0.742	ug/L #	88
39) cis-1,3-Dichloropropene	6.995	75	1060	0.082	ug/L #	77
40) 4-Methyl-2-pentanone	7.246	43	2345	0.562	ug/L #	77
42) Toluene	7.394	91	56274	1.232	ug/L	92
47) Tetrachloroethene	7.982	164	515	0.059	ug/L	87
49) Dibromochloromethane	7.989	129	499	0.060	ug/L #	9
51) Chlorobenzene	8.886	112	1550	0.052	ug/L	98
52) Ethylbenzene	9.018	91	5617	0.123	ug/L	87
53) m,p-Xylene	9.143	106	7543	0.423	ug/L	85
54) o-Xylene	9.545	106	5659	0.327	ug/L	94
60) Isopropylbenzene	10.741	105	2634	0.069	ug/L	99
61) 1,2,3-Trichloropropane	11.249	75	8226	1.783	ug/L #	66

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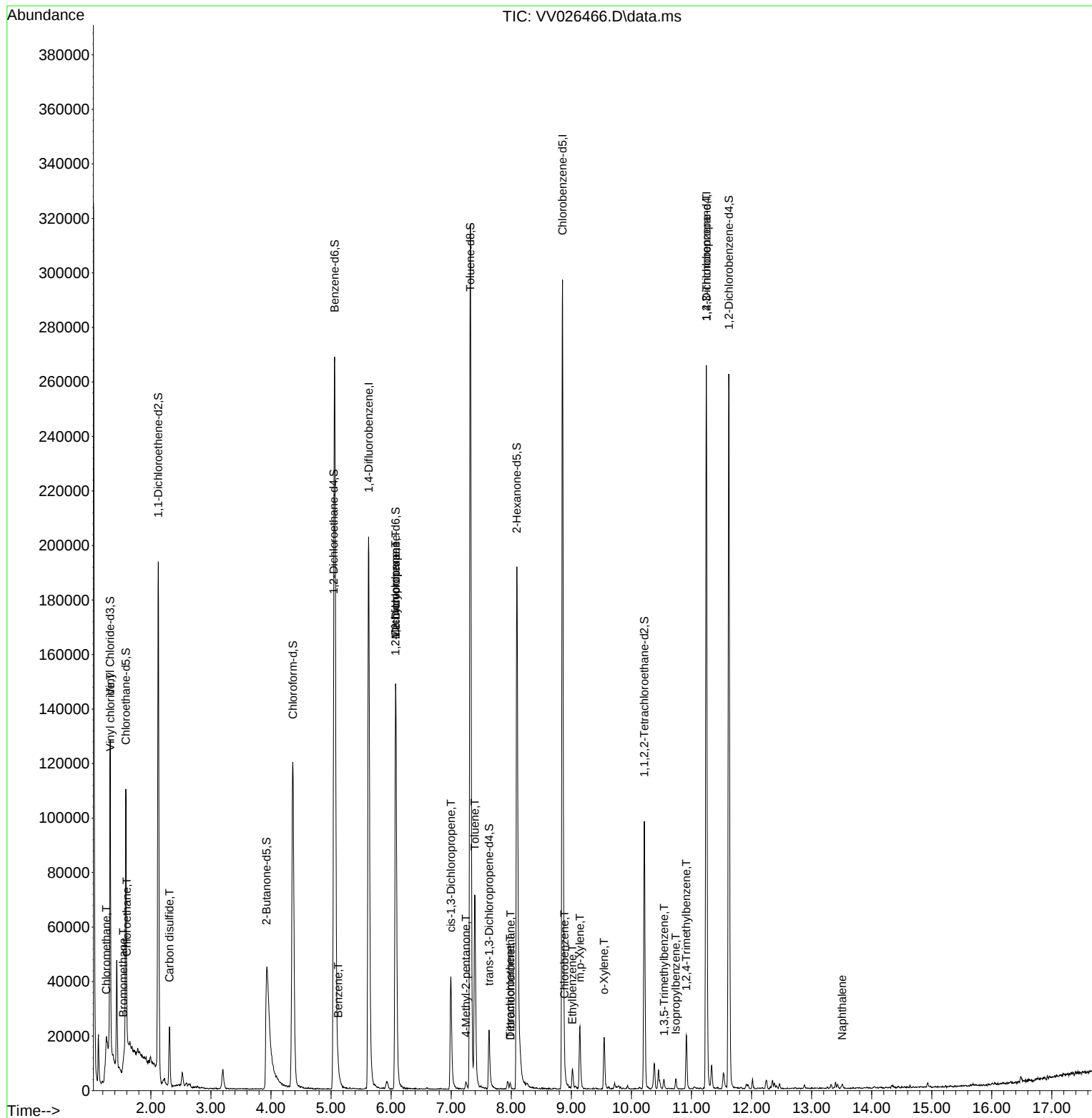
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.545	105	2384	0.079	ug/L	97
63) 1,2,4-Trimethylbenzene	10.915	105	10969	0.368	ug/L	95
71) Naphthalene	13.509	128	1875	0.136	ug/L #	86

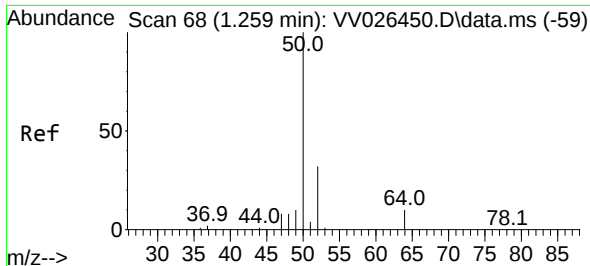
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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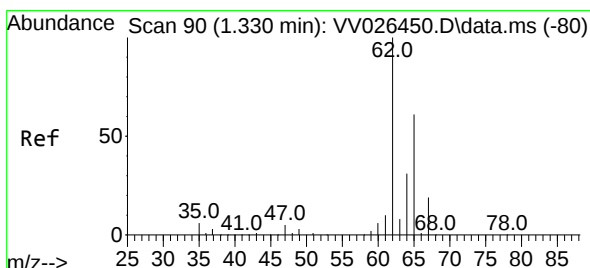
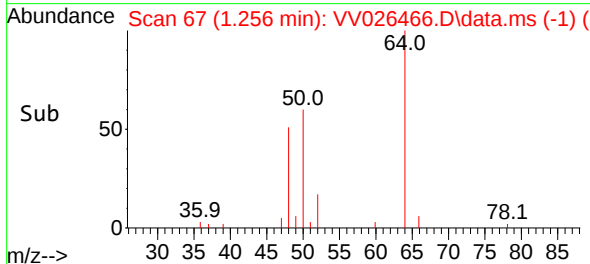
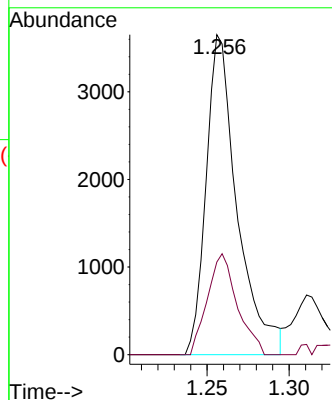
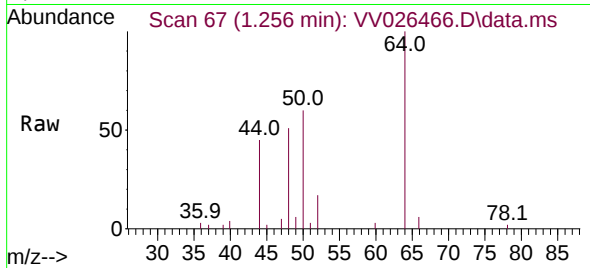




#3
Chloromethane
Concen: 0.313 ug/L
RT: 1.256 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV026466.D
Acq: 20 Jun 2022 23:24

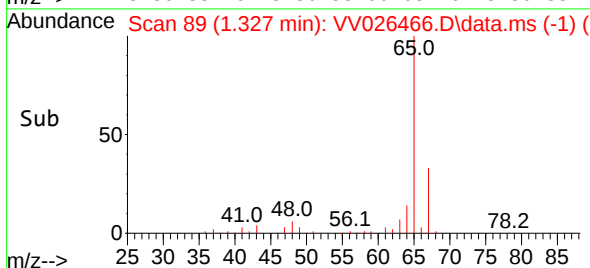
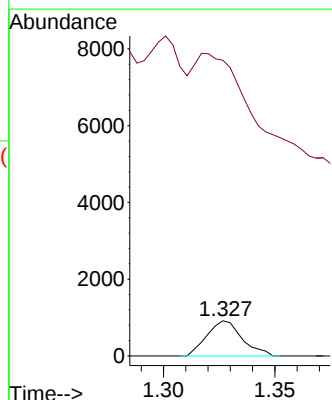
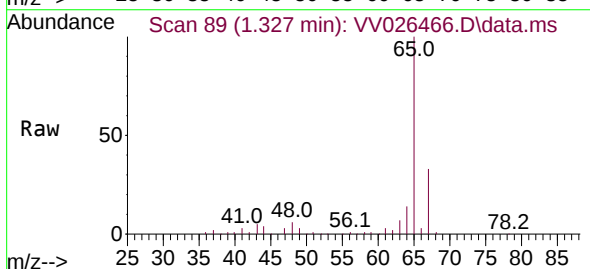
Instrument :
MSVOA_V
ClientSampleId :

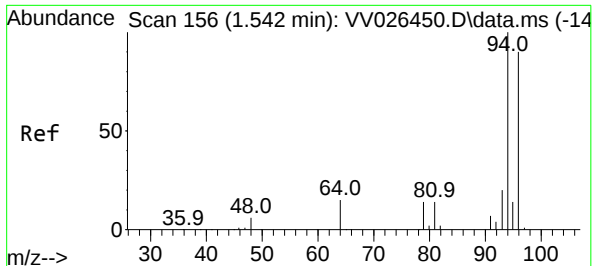
Tgt Ion: 50 Resp: 4787
Ion Ratio Lower Upper
50 100
52 28.9 23.7 44.1



#5
Vinyl chloride
Concen: 0.063 ug/L
RT: 1.327 min Scan# 89
Delta R.T. -0.003 min
Lab File: VV026466.D
Acq: 20 Jun 2022 23:24

Tgt Ion: 62 Resp: 1007
Ion Ratio Lower Upper
62 100
64 840.0 23.2 43.2#

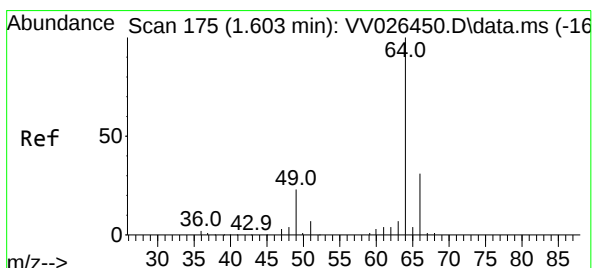
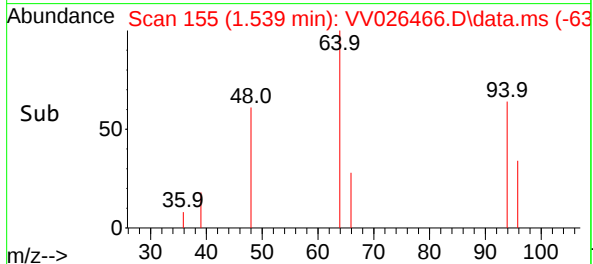
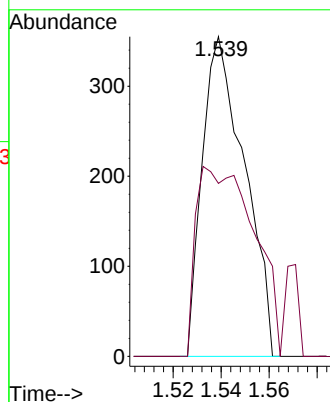
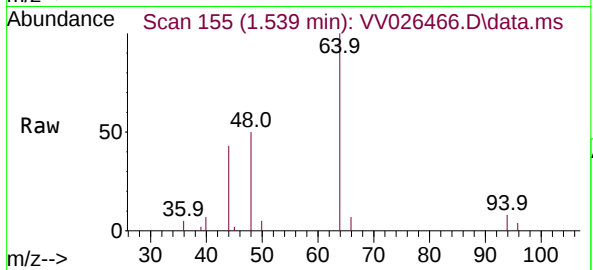




#6
Bromomethane
Concen: 0.049 ug/L
RT: 1.539 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV026466.D
Acq: 20 Jun 2022 23:24

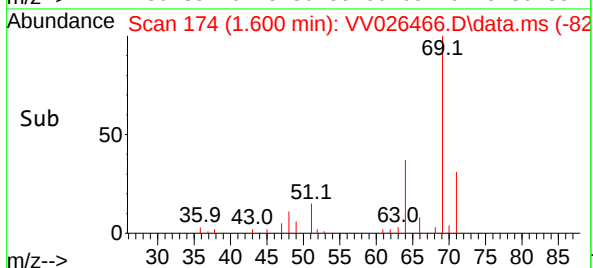
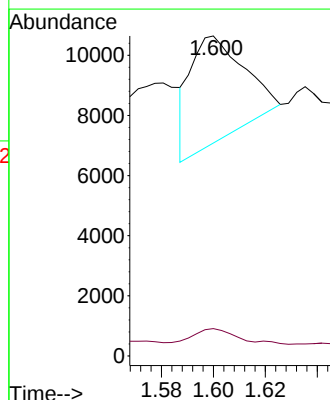
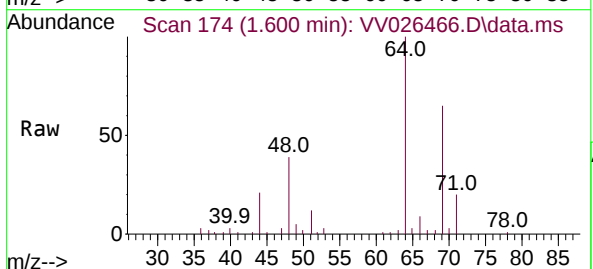
Instrument :
MSVOA_V
ClientSampleId :

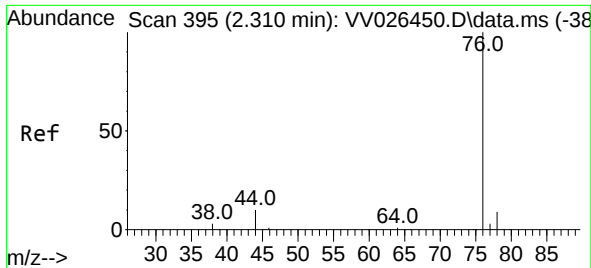
Tgt Ion: 94 Resp: 434
Ion Ratio Lower Upper
94 100
96 54.1 65.7 121.9#



#8
Chloroethane
Concen: 0.521 ug/L
RT: 1.600 min Scan# 174
Delta R.T. -0.003 min
Lab File: VV026466.D
Acq: 20 Jun 2022 23:24

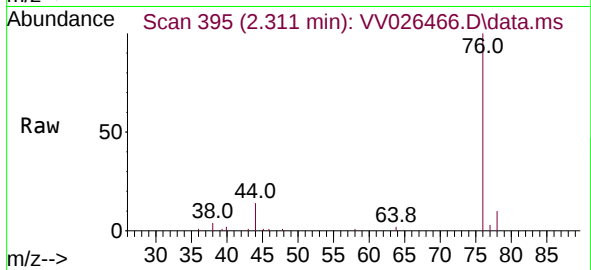
Tgt Ion: 64 Resp: 5138
Ion Ratio Lower Upper
64 100
66 8.5 24.1 44.7#



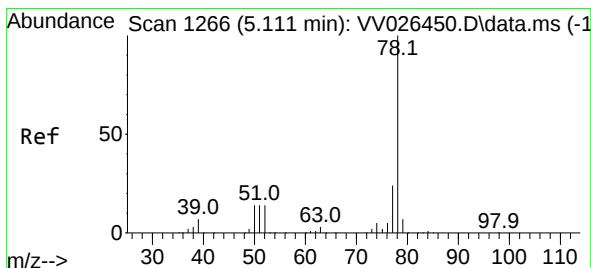
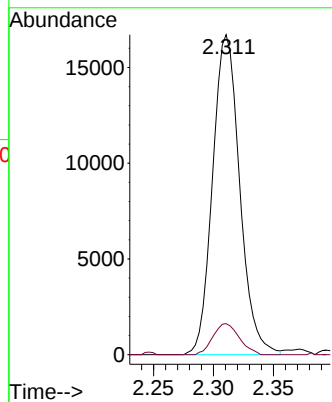
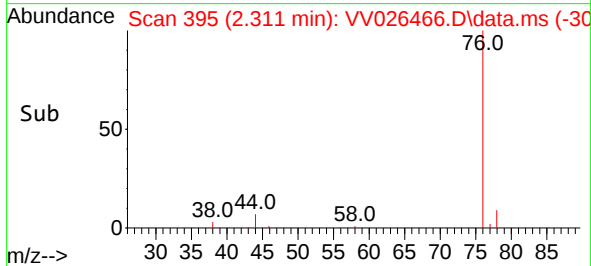


#14
Carbon disulfide
Concen: 0.916 ug/L
RT: 2.311 min Scan# 395
Delta R.T. 0.000 min
Lab File: VV026466.D
Acq: 20 Jun 2022 23:24

Instrument :
MSVOA_V
ClientSampleId :

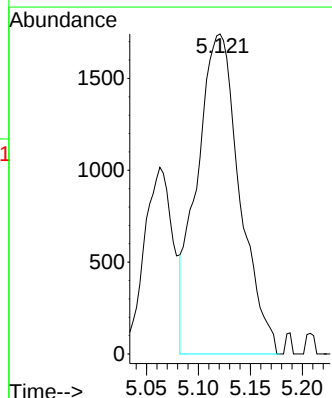
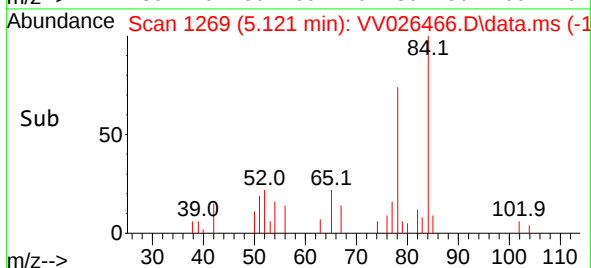
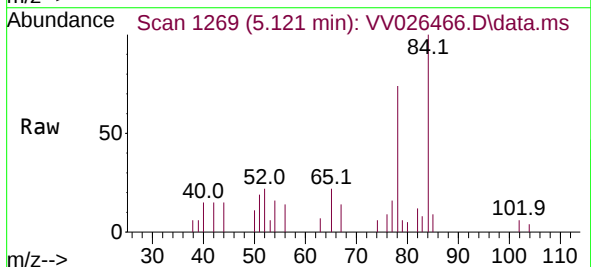


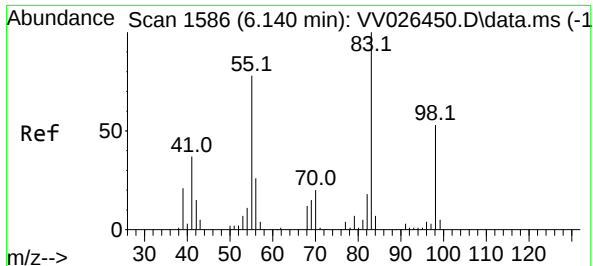
Tgt Ion: 76 Resp: 26277
Ion Ratio Lower Upper
76 100
78 9.7 7.7 11.5



#33
Benzene
Concen: 0.115 ug/L
RT: 5.121 min Scan# 1269
Delta R.T. 0.010 min
Lab File: VV026466.D
Acq: 20 Jun 2022 23:24

Tgt Ion: 78 Resp: 4978





#35

Methylcyclohexane

Concen: 1.097 ug/L

RT: 6.076 min Scan# 1

Delta R.T. -0.064 min

Lab File: VV026466.D

Acq: 20 Jun 2022 23:24

Instrument :

MSVOA_V

ClientSampleId :

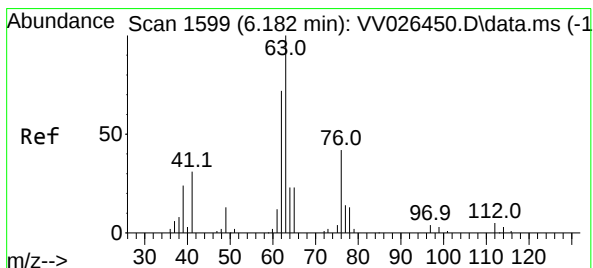
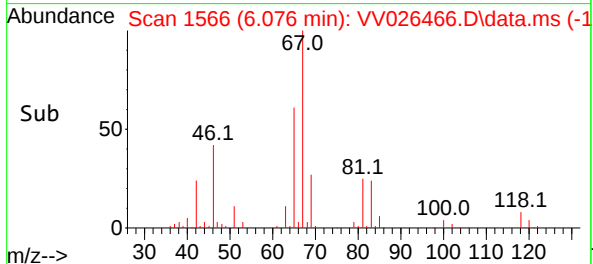
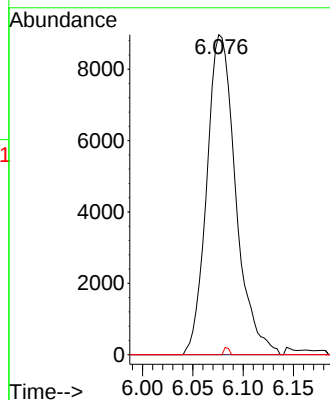
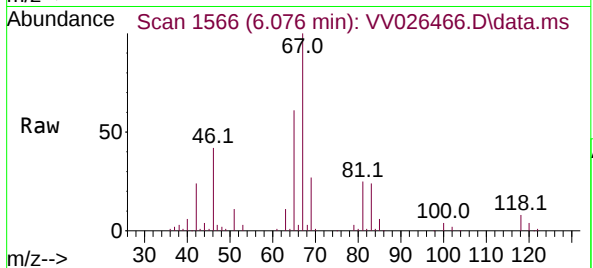
Tgt Ion: 83 Resp: 17988

Ion Ratio Lower Upper

83 100

55 0.0 59.3 88.9#

98 0.4 39.9 59.9#



#37

1,2-Dichloropropane

Concen: 0.742 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.109 min

Lab File: VV026466.D

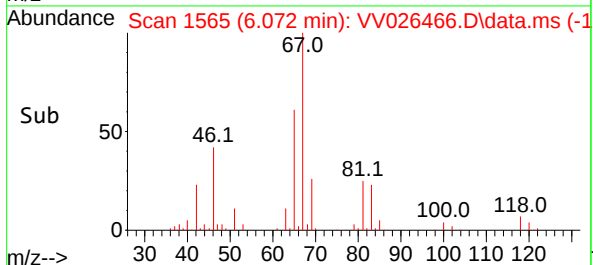
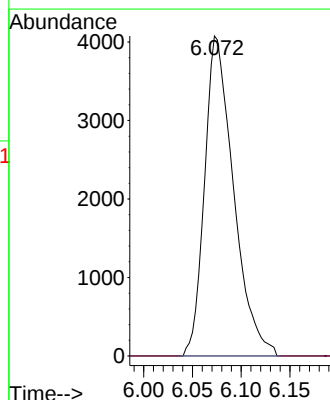
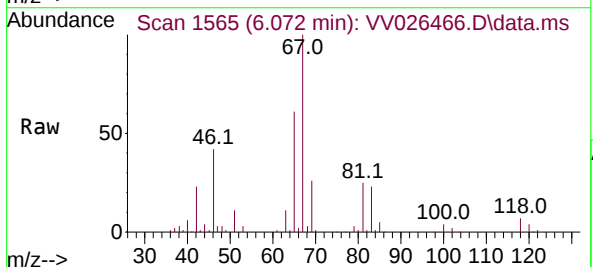
Acq: 20 Jun 2022 23:24

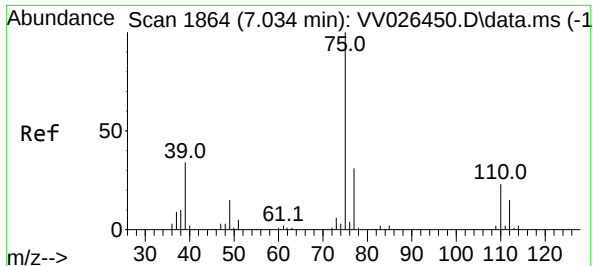
Tgt Ion: 63 Resp: 8429

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#





#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 6.995 min Scan# 11

Delta R.T. -0.038 min

Lab File: VV026466.D

Acq: 20 Jun 2022 23:24

Instrument :

MSVOA_V

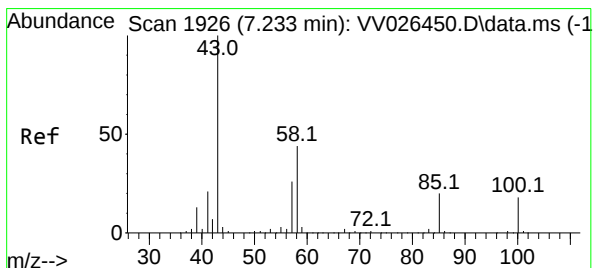
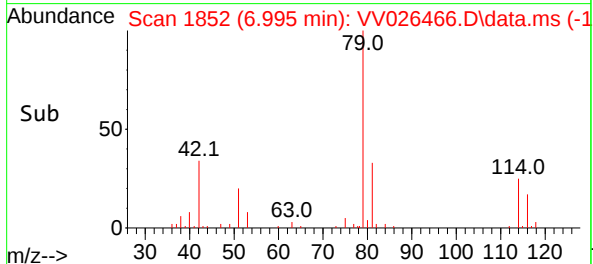
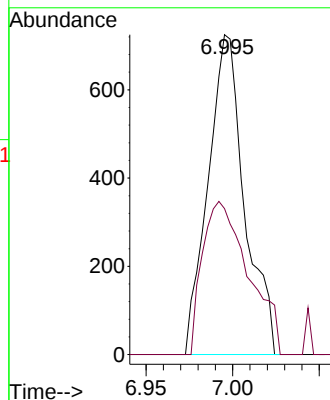
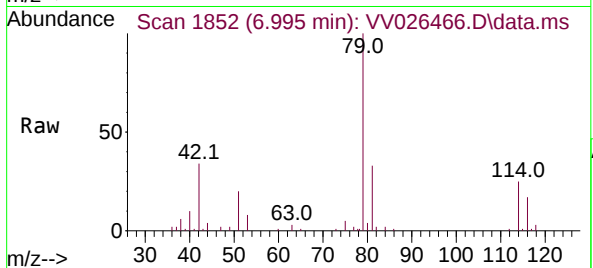
ClientSampleId :

Tgt Ion: 75 Resp: 1060

Ion Ratio Lower Upper

75 100

77 45.7 23.0 42.6#



#40

4-Methyl-2-pentanone

Concen: 0.562 ug/L

RT: 7.246 min Scan# 1930

Delta R.T. 0.013 min

Lab File: VV026466.D

Acq: 20 Jun 2022 23:24

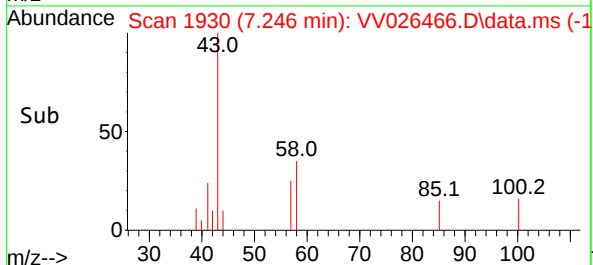
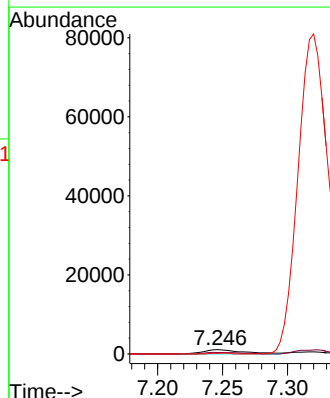
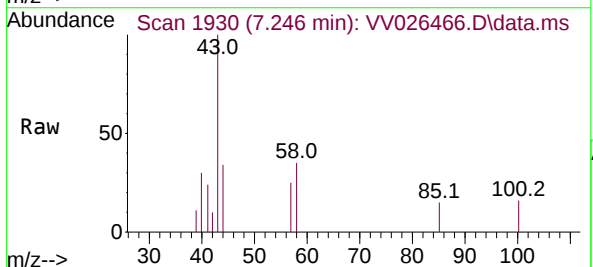
Tgt Ion: 43 Resp: 2345

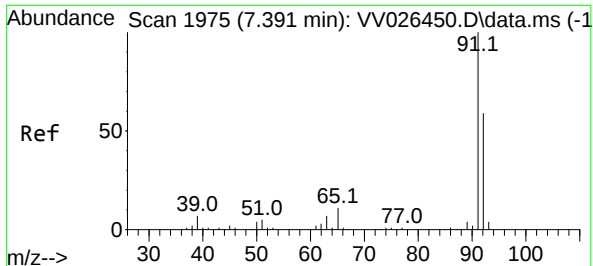
Ion Ratio Lower Upper

43 100

58 31.6 33.3 49.9#

100 0.0 13.4 20.2#





#42

Toluene

Concen: 1.232 ug/L

RT: 7.394 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV026466.D

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Instrument :

MSVOA_V

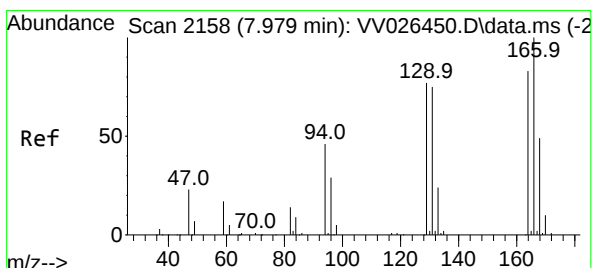
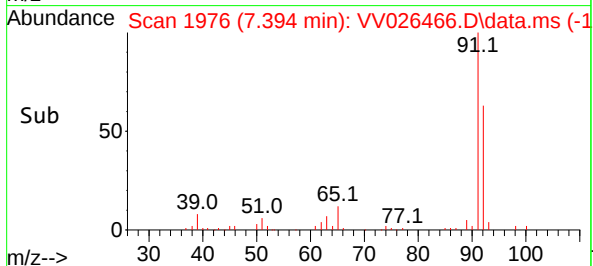
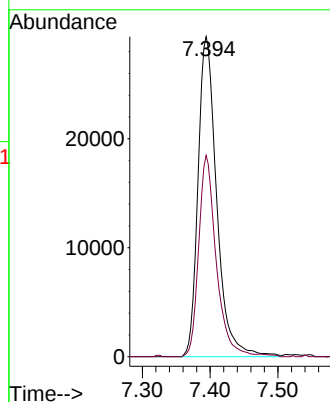
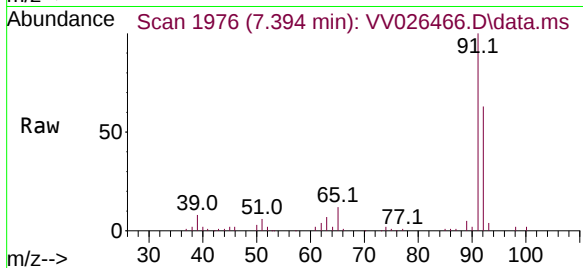
ClientSampleId :

Tgt Ion: 91 Resp: 56274

Ion Ratio Lower Upper

91 100

92 62.9 40.1 74.5



#47

Tetrachloroethene

Concen: 0.059 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. 0.003 min

Lab File: VV026466.D

Acq: 20 Jun 2022 23:24

Tgt Ion: 164 Resp: 515

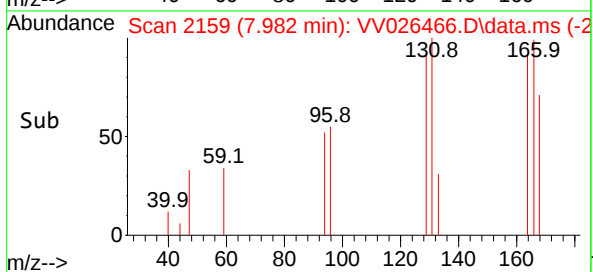
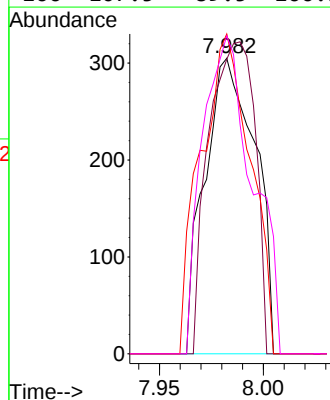
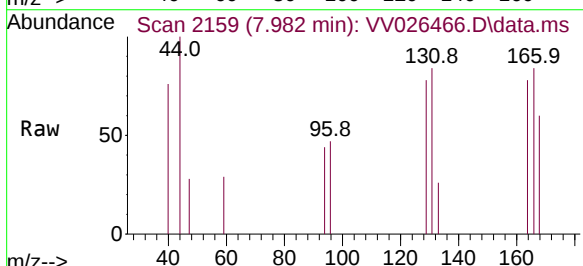
Ion Ratio Lower Upper

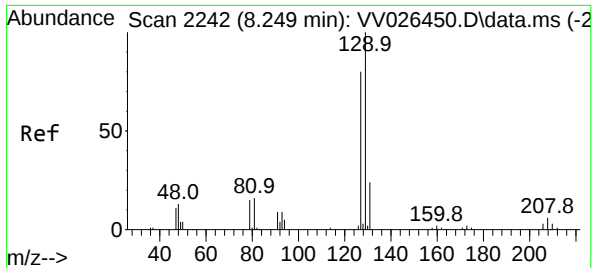
164 100

129 99.7 67.5 125.3

131 108.2 63.8 118.4

166 107.5 89.5 166.3





#49

Dibromochloromethane

Concen: 0.060 ug/L

RT: 7.989 min Scan# 2161

Delta R.T. -0.260 min

Lab File: VV026466.D

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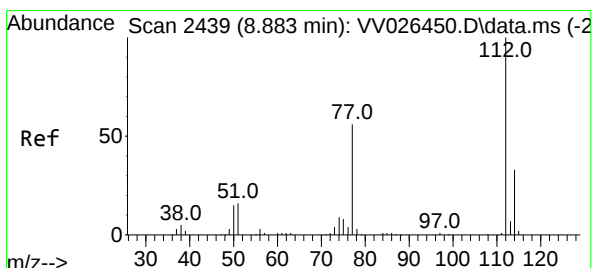
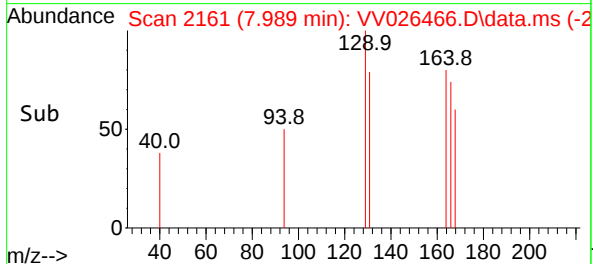
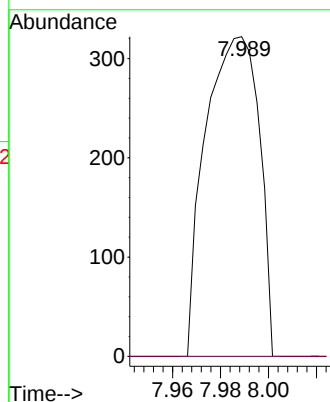
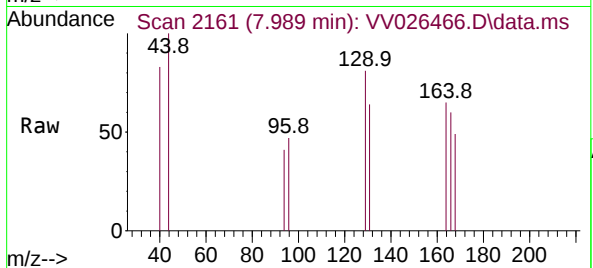
ClientSampleId :

Tgt Ion:129 Resp: 499

Ion Ratio Lower Upper

129 100

127 0.0 56.4 104.7#



#51

Chlorobenzene

Concen: 0.052 ug/L

RT: 8.886 min Scan# 2440

Delta R.T. 0.003 min

Lab File: VV026466.D

Acq: 20 Jun 2022 23:24

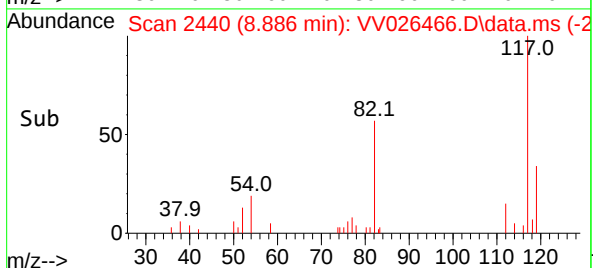
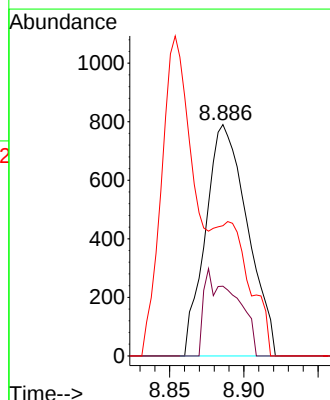
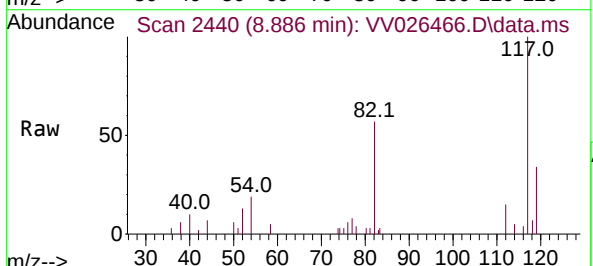
Tgt Ion:112 Resp: 1550

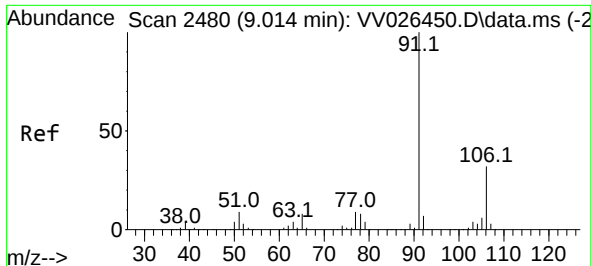
Ion Ratio Lower Upper

112 100

114 30.1 22.7 42.3

77 56.3 44.5 66.7

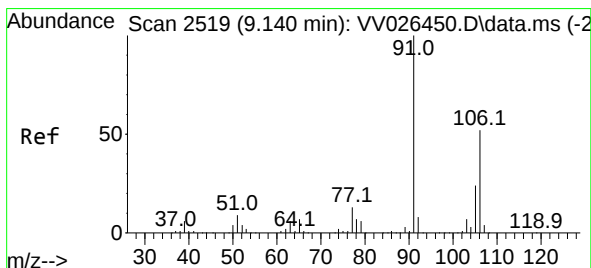
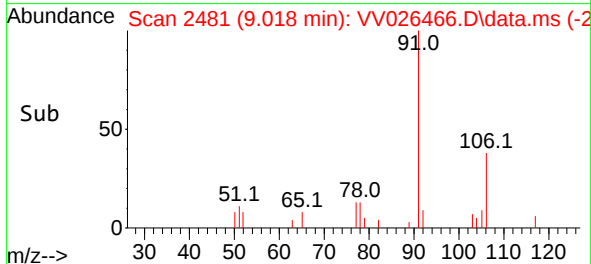
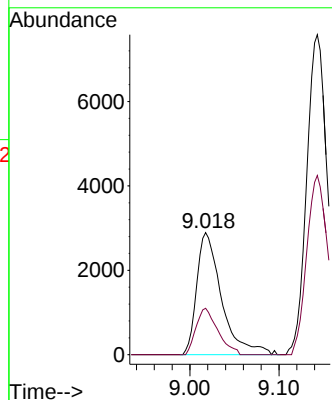
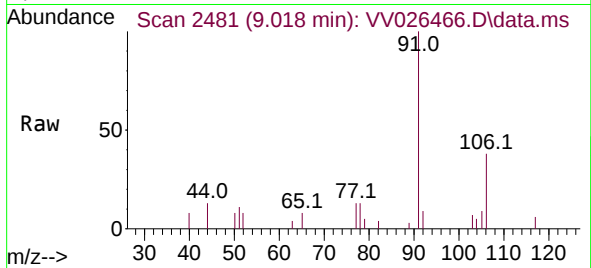




#52
Ethylbenzene
Concen: 0.123 ug/L
RT: 9.018 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV026466.D
Acq: 20 Jun 2022 23:24

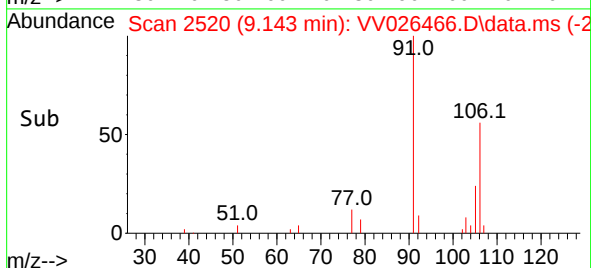
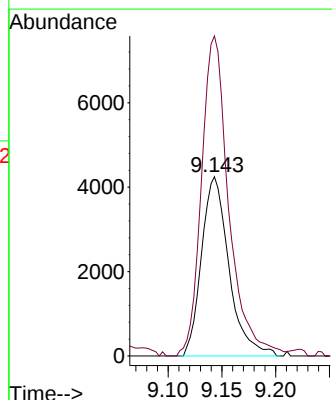
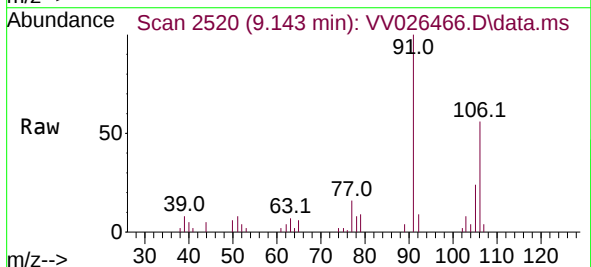
Instrument :
MSVOA_V
ClientSampleId :

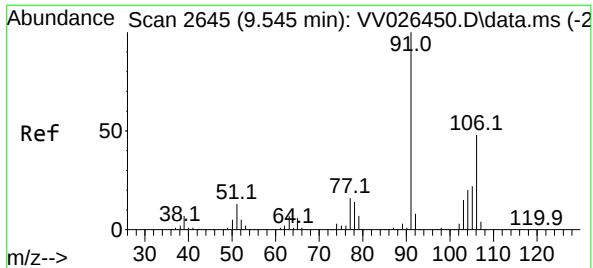
Tgt Ion: 91 Resp: 5617
Ion Ratio Lower Upper
91 100
106 38.0 21.6 40.0



#53
m,p-Xylene
Concen: 0.423 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VV026466.D
Acq: 20 Jun 2022 23:24

Tgt Ion: 106 Resp: 7543
Ion Ratio Lower Upper
106 100
91 178.6 141.3 262.3

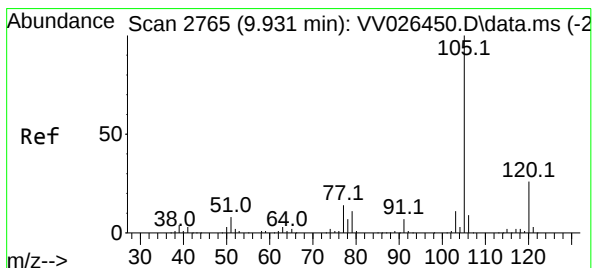
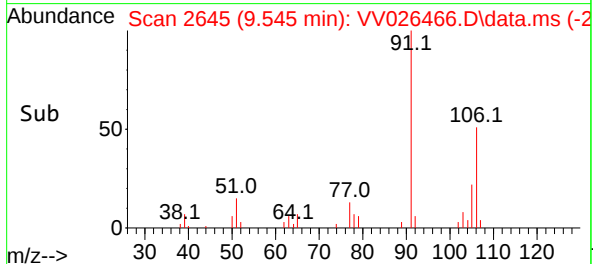
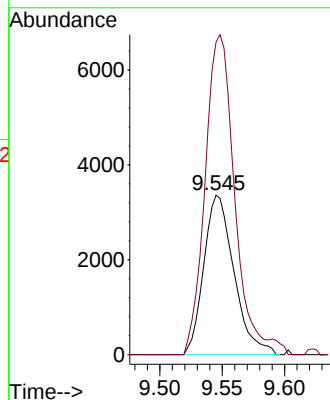
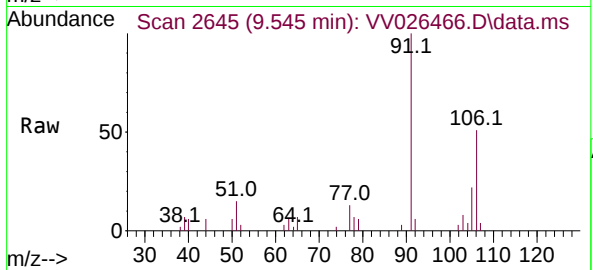




#54
o-Xylene
Concen: 0.327 ug/L
RT: 9.545 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV026466.D
Acq: 20 Jun 2022 23:24

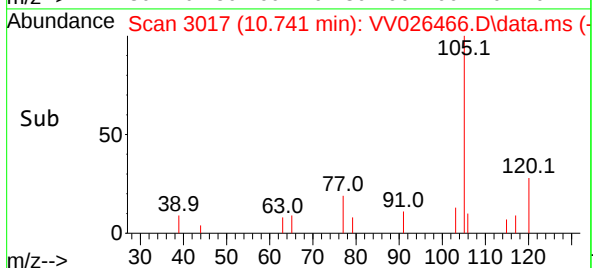
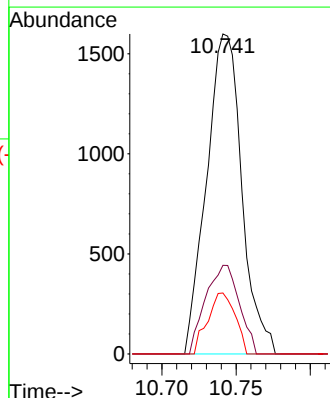
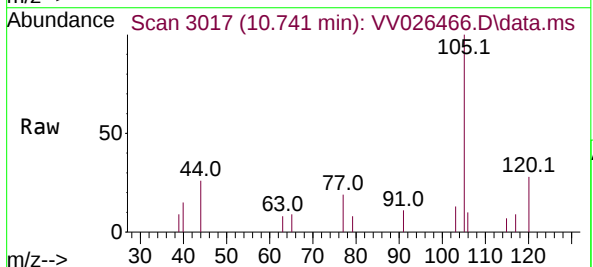
Instrument :
MSVOA_V
ClientSampleId :

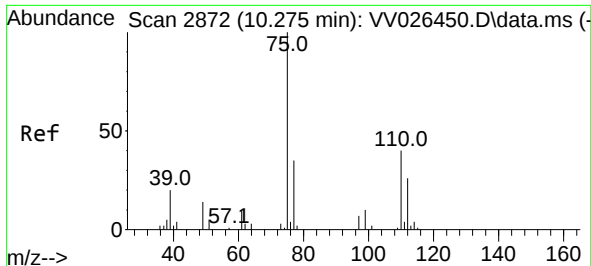
Tgt Ion:106 Resp: 5659
Ion Ratio Lower Upper
106 100
91 195.9 143.3 266.1



#60
Isopropylbenzene
Concen: 0.069 ug/L
RT: 10.741 min Scan# 3017
Delta R.T. 0.810 min
Lab File: VV026466.D
Acq: 20 Jun 2022 23:24

Tgt Ion:105 Resp: 2634
Ion Ratio Lower Upper
105 100
120 26.5 21.5 32.3
77 14.8 12.2 18.4

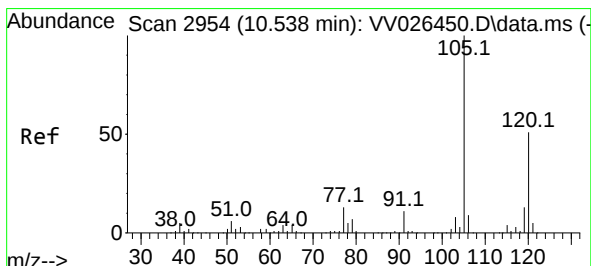
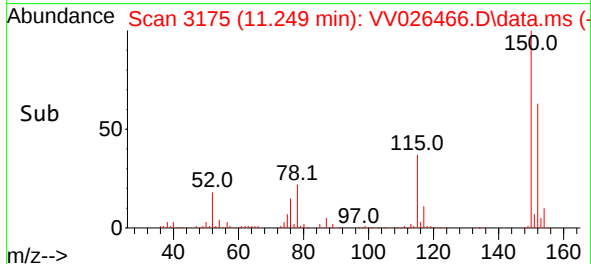
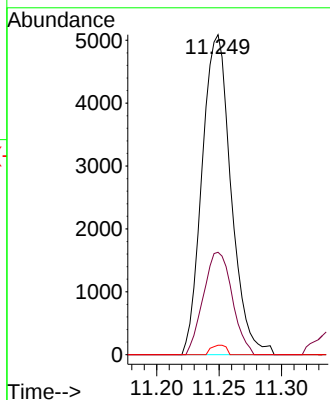
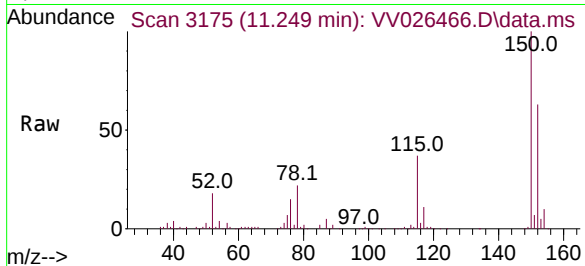




#61
 1,2,3-Trichloropropane
 Concen: 1.783 ug/L
 RT: 11.249 min Scan# 31175
 Delta R.T. 0.974 min
 Lab File: VV026466.D
 Acq: 20 Jun 2022 23:24

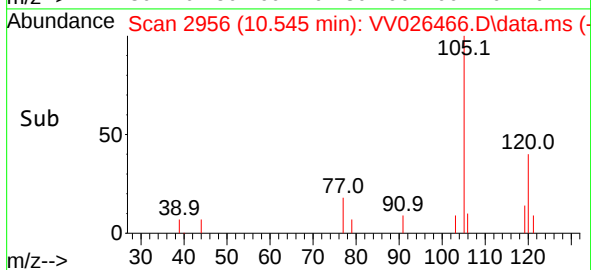
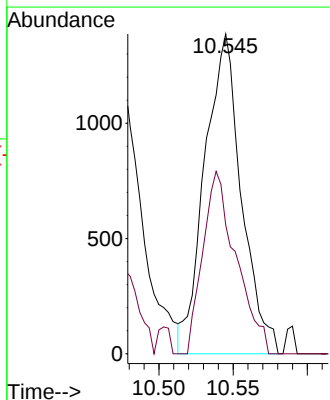
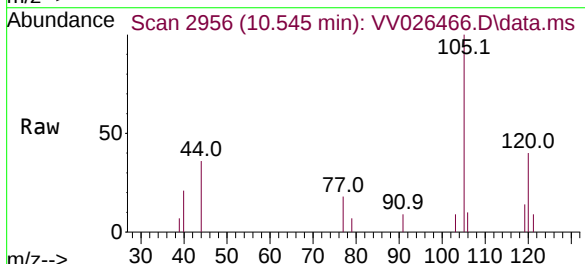
Instrument :
 MSVOA_V
 ClientSampleId :

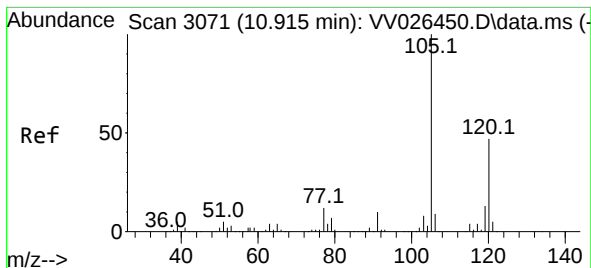
Tgt Ion: 75 Resp: 8226
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.9 40.3
 110 1.5 30.7 46.1#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.079 ug/L
 RT: 10.545 min Scan# 2956
 Delta R.T. 0.007 min
 Lab File: VV026466.D
 Acq: 20 Jun 2022 23:24

Tgt Ion: 105 Resp: 2384
 Ion Ratio Lower Upper
 105 100
 120 51.6 39.9 59.9





#63

1,2,4-Trimethylbenzene

Concen: 0.368 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV026466.D

Acq: 20 Jun 2022 23:24

Instrument :

MSVOA_V

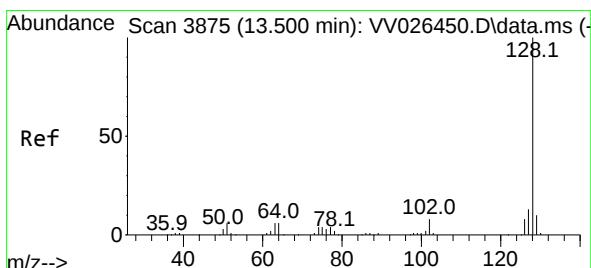
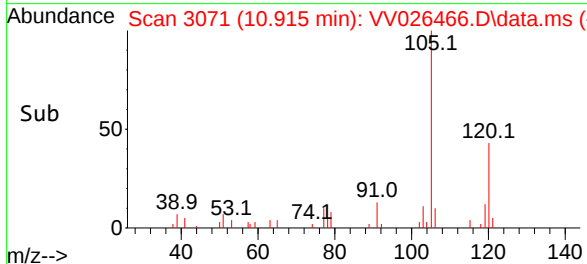
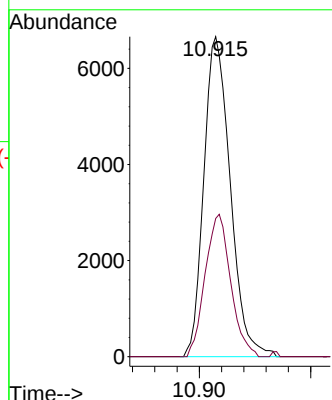
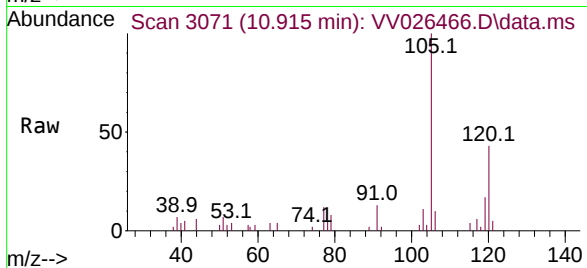
ClientSampleId :

Tgt Ion:105 Resp: 10969

Ion Ratio Lower Upper

105 100

120 43.0 36.9 55.3



#71

Naphthalene

Concen: 0.136 ug/L

RT: 13.509 min Scan# 3878

Delta R.T. 0.010 min

Lab File: VV026466.D

Acq: 20 Jun 2022 23:24

Tgt Ion:128 Resp: 1875

Ion Ratio Lower Upper

128 100

129 6.3 8.7 13.1#

127 7.0 10.6 16.0#

