

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081222\
 Data File : VW027344.D
 Acq On : 12 Aug 2022 22:30
 Operator : SY/MD
 Sample : N4133-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 13 04:18:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 13 02:46:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	148900	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	158096	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	71753	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	48184	3.725	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	74.400%	
7) Chloroethane-d5	1.561	69	37348	3.975	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	79.600%	
11) 1,1-Dichloroethene-d2	2.101	63	64395	2.745	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	54.800%#	
20) 2-Butanone-d5	3.889	46	115254	52.607	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	105.220%	
24) Chloroform-d	4.346	84	100629	4.242	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	84.800%	
26) 1,2-Dichloroethane-d4	5.030	65	50611	4.478	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	89.600%	
32) Benzene-d6	5.046	84	175769	3.769	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	75.400%	
36) 1,2-Dichloropropane-d6	6.066	67	60269	4.180	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	83.600%	
41) Toluene-d8	7.313	98	144491	3.384	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	67.600%#	
43) trans-1,3-Dichloroprop...	7.625	79	18142	3.632	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	72.600%	
46) 2-Hexanone-d5	8.088	63	85305	44.131	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	88.260%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	47994	4.601	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	92.000%	
66) 1,2-Dichlorobenzene-d4	11.622	152	57565	4.648	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	93.000%	
Target Compounds						Qvalue
5) Vinyl chloride	1.307	62	14672	0.889	ug/L	99
6) Bromomethane	1.516	94	392	0.051	ug/L	94
18) trans-1,2-Dichloroethene	2.754	96	6161	0.467	ug/L	98
22) cis-1,2-Dichloroethene	3.911	96	3534	0.272	ug/L	94
25) Chloroform	4.374	83	4148	0.160	ug/L	92
33) Benzene	5.098	78	32541	0.602	ug/L	100
35) Methylcyclohexane	6.066	83	15709	0.848	ug/L #	16
37) 1,2-Dichloropropane	6.066	63	7467	0.559	ug/L #	86
39) cis-1,3-Dichloropropene	6.989	75	1491	0.091	ug/L #	76
42) Toluene	7.390	91	14765	0.274	ug/L	100
44) trans-1,3-Dichloropropene	7.625	75	1059	0.074	ug/L #	63
49) Dibromochloromethane	7.972	129	318	0.029	ug/L #	10
51) Chlorobenzene	8.886	112	2183	0.062	ug/L #	66
52) Ethylbenzene	9.014	91	31118	0.574	ug/L	99
53) m,p-Xylene	9.140	106	20953	1.014	ug/L	96
54) o-Xylene	9.545	106	11502	0.569	ug/L	89
62) 1,3,5-Trimethylbenzene	10.545	105	1858	0.149	ug/L	89
63) 1,2,4-Trimethylbenzene	10.918	105	5449	0.152	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 13 02:46:03 2022
Response via : Initial Calibration

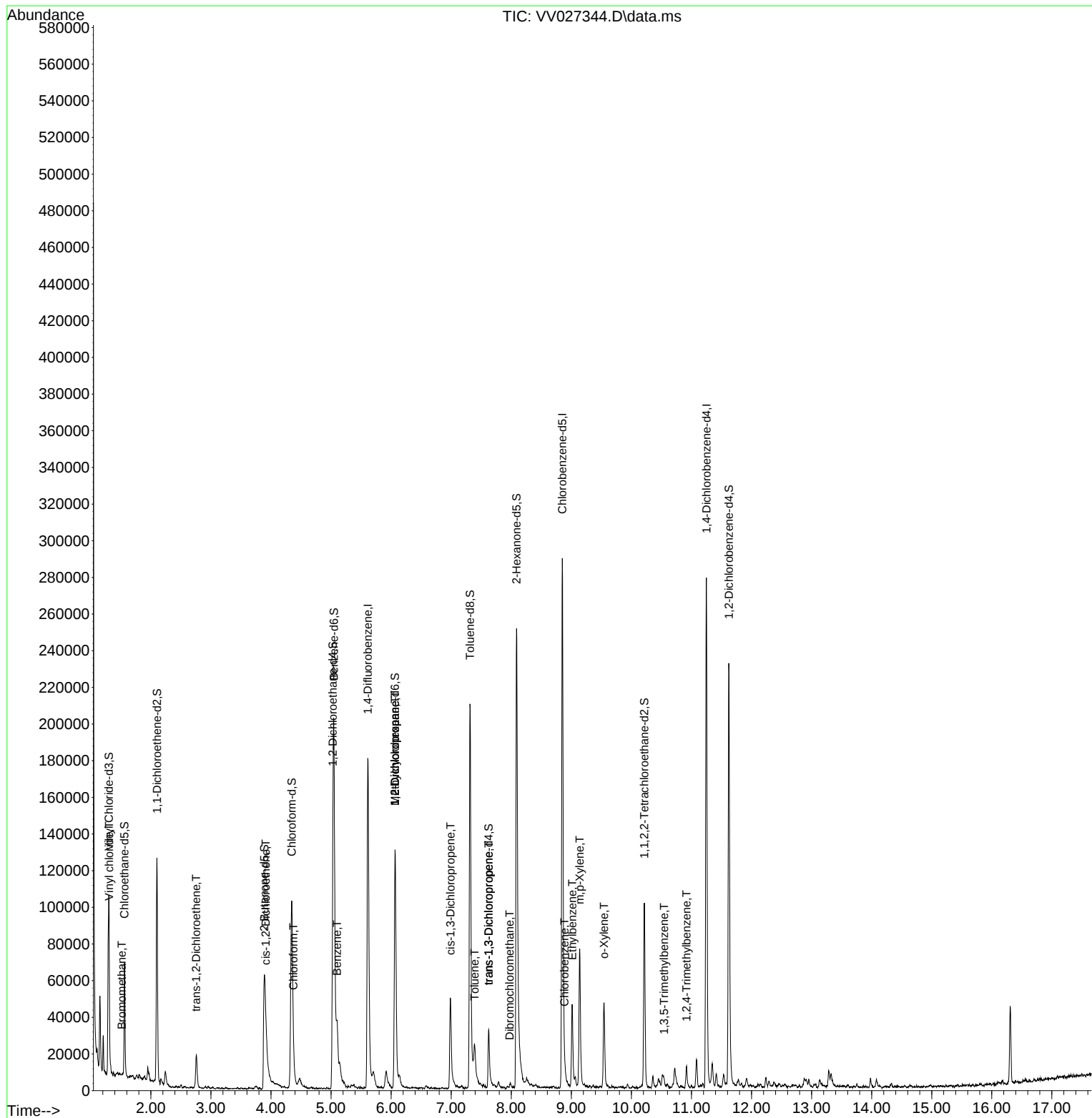
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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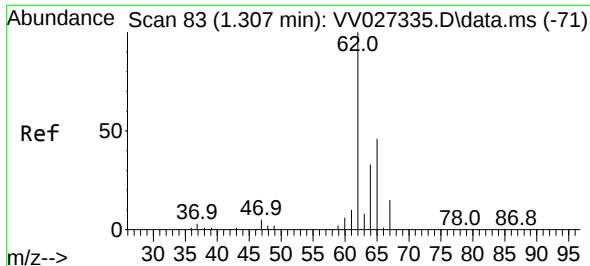
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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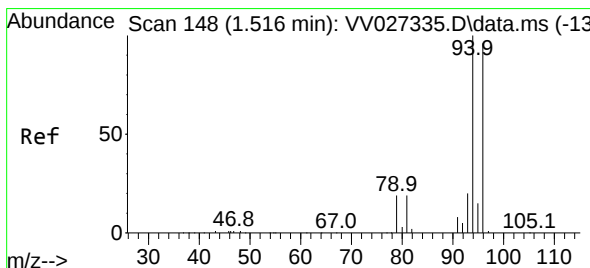
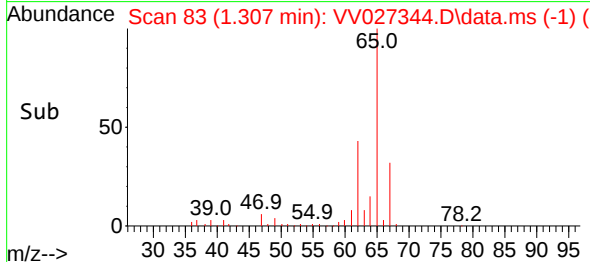
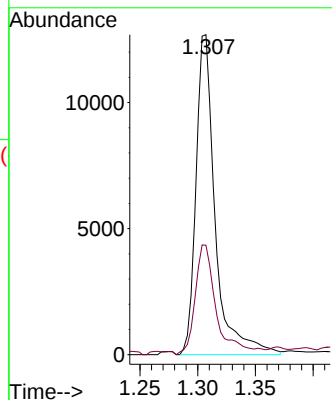
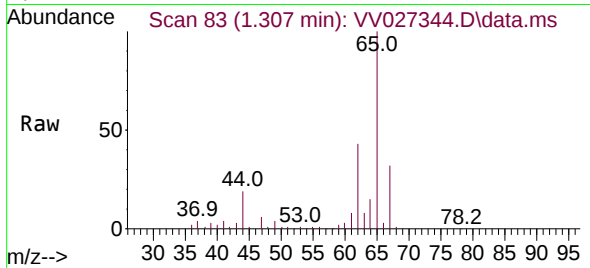




#5
 Vinyl chloride
 Concen: 0.889 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV027344.D
 Acq: 12 Aug 2022 22:30

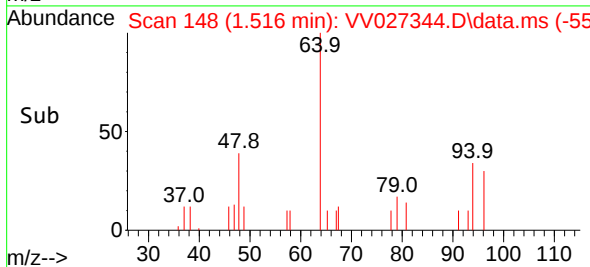
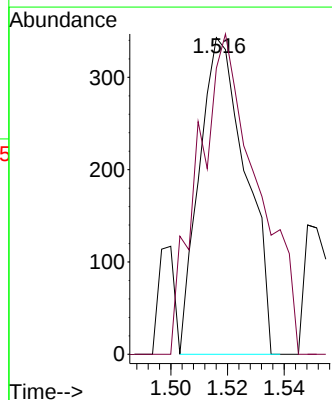
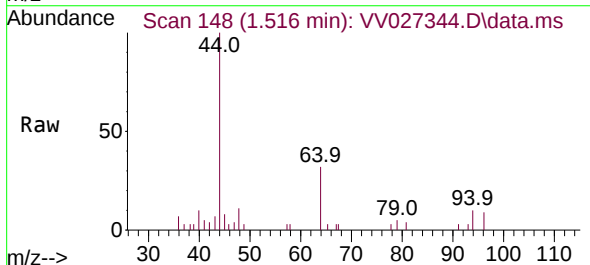
Instrument :
 MSVOA_V
 ClientSampleId :

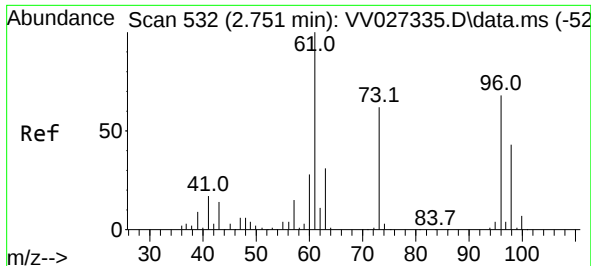
Tgt Ion: 62 Resp: 14672
 Ion Ratio Lower Upper
 62 100
 64 34.2 23.7 44.1



#6
 Bromomethane
 Concen: 0.051 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VV027344.D
 Acq: 12 Aug 2022 22:30

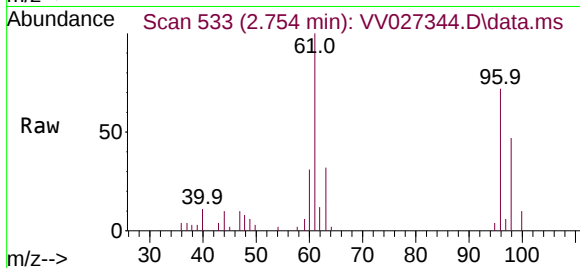
Tgt Ion: 94 Resp: 392
 Ion Ratio Lower Upper
 94 100
 96 90.4 67.2 124.8



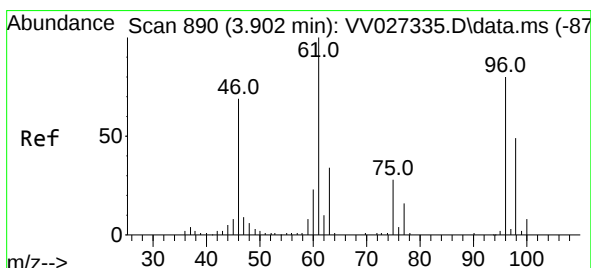
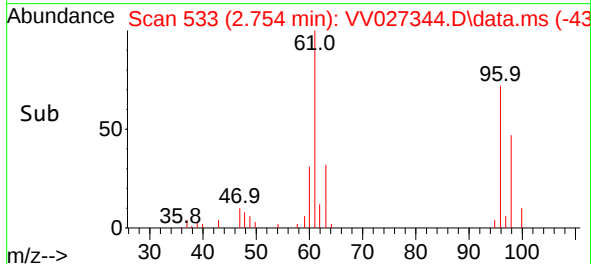
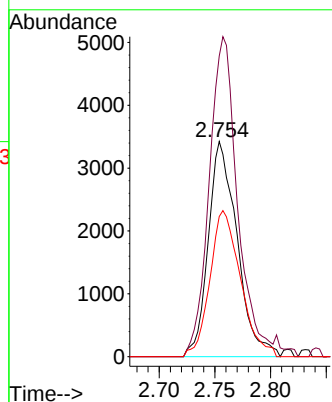


#18
trans-1,2-Dichloroethene
Concen: 0.467 ug/L
RT: 2.754 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV027344.D
Acq: 12 Aug 2022 22:30

Instrument :
MSVOA_V
ClientSampleId :

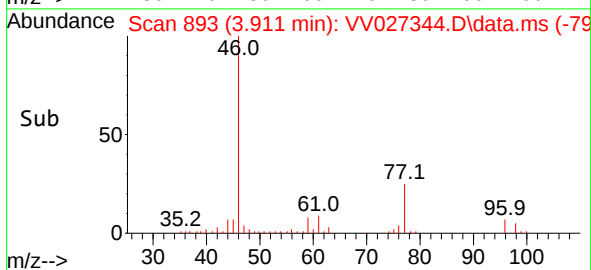
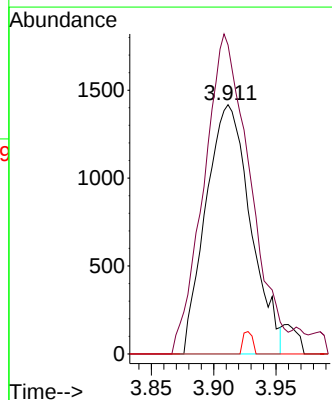
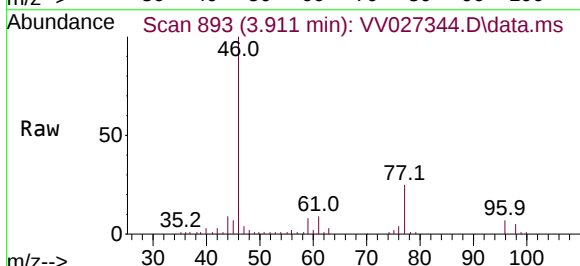


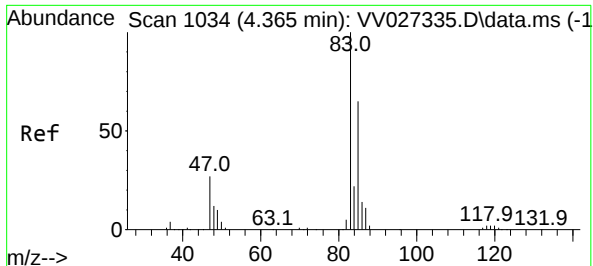
Tgt Ion: 96 Resp: 6161
Ion Ratio Lower Upper
96 100
61 139.7 99.6 185.0
98 65.1 45.1 83.7



#22
cis-1,2-Dichloroethene
Concen: 0.272 ug/L
RT: 3.911 min Scan# 893
Delta R.T. 0.009 min
Lab File: VV027344.D
Acq: 12 Aug 2022 22:30

Tgt Ion: 96 Resp: 3534
Ion Ratio Lower Upper
96 100
61 123.9 91.3 169.5
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.160 ug/L

RT: 4.374 min Scan# 1034

Delta R.T. 0.009 min

Lab File: VV027344.D

Acq: 12 Aug 2022 22:30

Instrument :

MSVOA_V

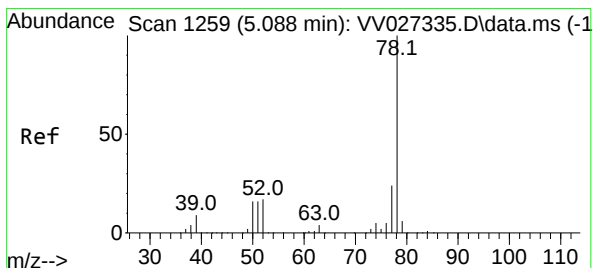
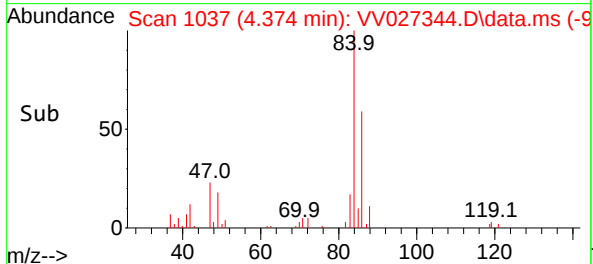
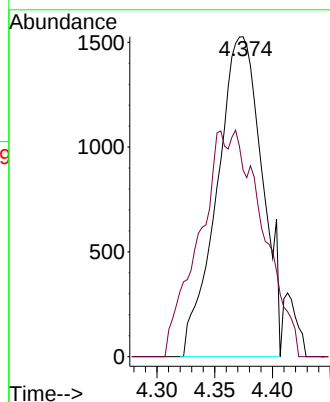
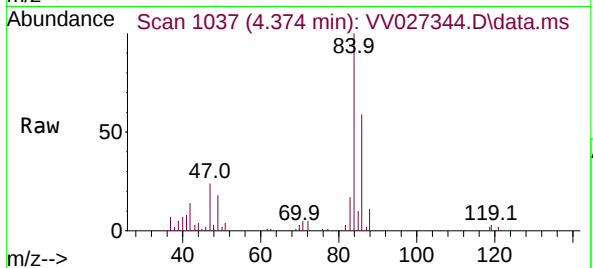
ClientSampleId :

Tgt Ion: 83 Resp: 4148

Ion Ratio Lower Upper

83 100

85 58.3 45.2 84.0



#33

Benzene

Concen: 0.602 ug/L

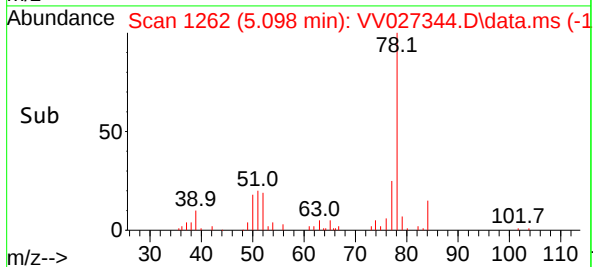
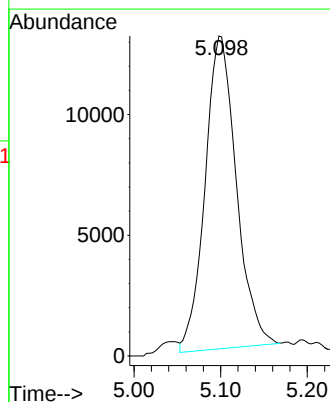
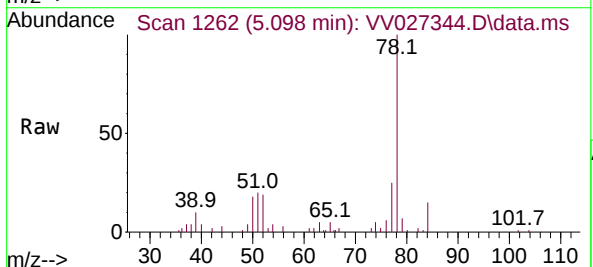
RT: 5.098 min Scan# 1262

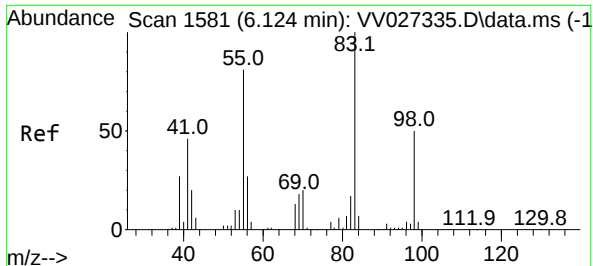
Delta R.T. 0.009 min

Lab File: VV027344.D

Acq: 12 Aug 2022 22:30

Tgt Ion: 78 Resp: 32541





#35

Methylcyclohexane

Concen: 0.848 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.058 min

Lab File: VV027344.D

Acq: 12 Aug 2022 22:30

Instrument :

MSVOA_V

ClientSampleId :

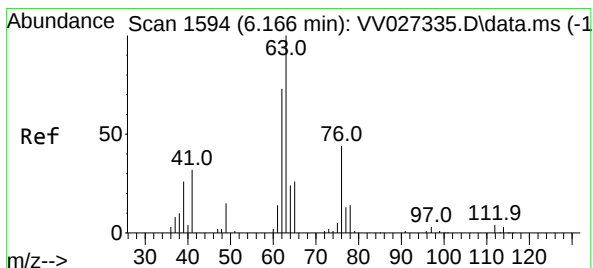
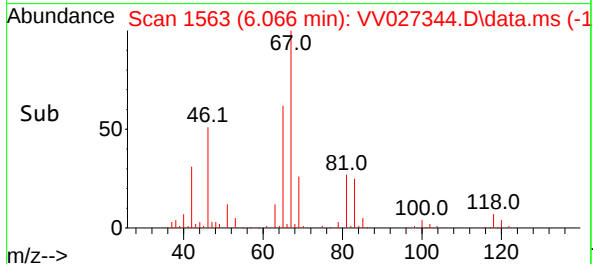
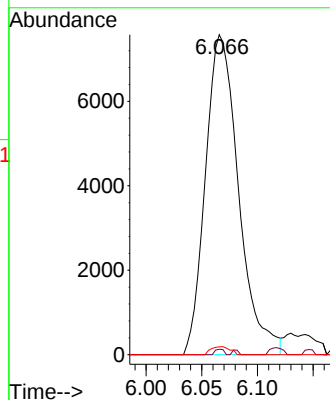
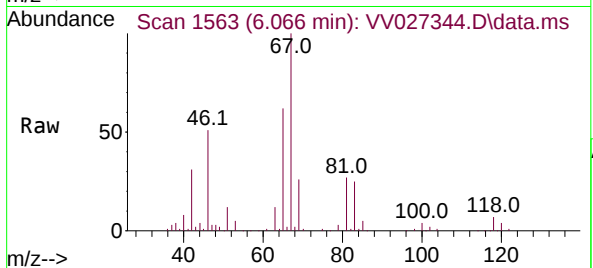
Tgt Ion: 83 Resp: 15709

Ion Ratio Lower Upper

83 100

55 0.4 67.0 100.6#

98 1.4 38.7 58.1#



#37

1,2-Dichloropropane

Concen: 0.559 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.100 min

Lab File: VV027344.D

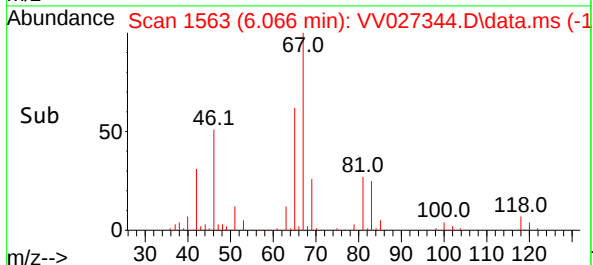
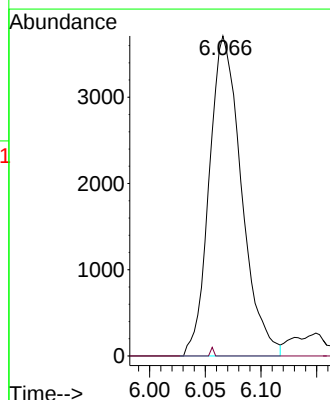
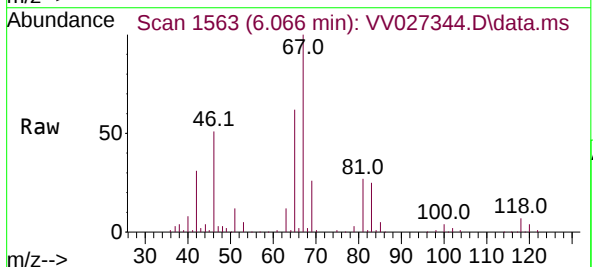
Acq: 12 Aug 2022 22:30

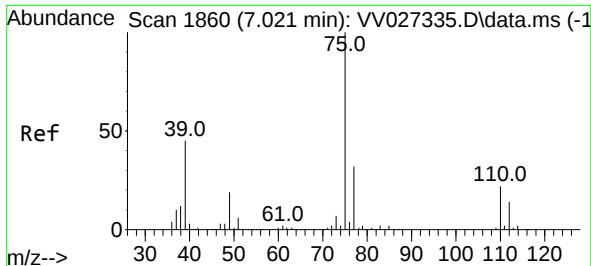
Tgt Ion: 63 Resp: 7467

Ion Ratio Lower Upper

63 100

112 0.3 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.032 min

Lab File: VV027344.D

Acq: 12 Aug 2022 22:30

Instrument :

MSVOA_V

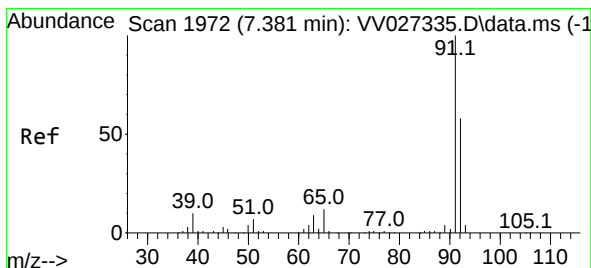
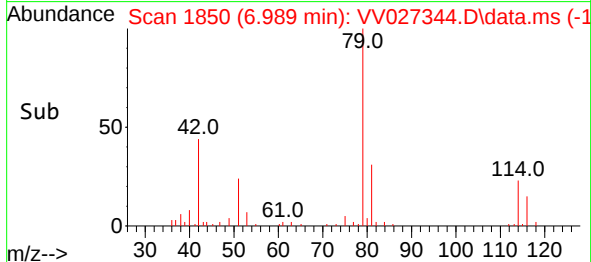
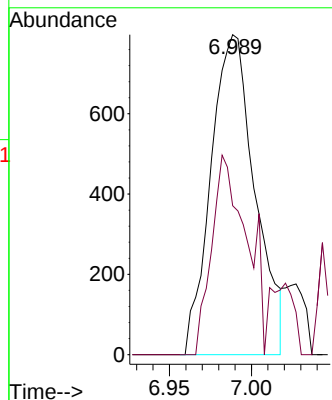
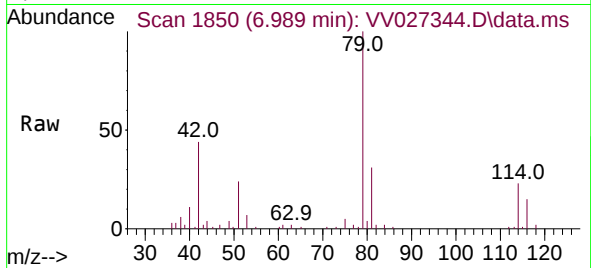
ClientSampleId :

Tgt Ion: 75 Resp: 1491

Ion Ratio Lower Upper

75 100

77 46.5 23.2 43.0#



#42

Toluene

Concen: 0.274 ug/L

RT: 7.390 min Scan# 1975

Delta R.T. 0.009 min

Lab File: VV027344.D

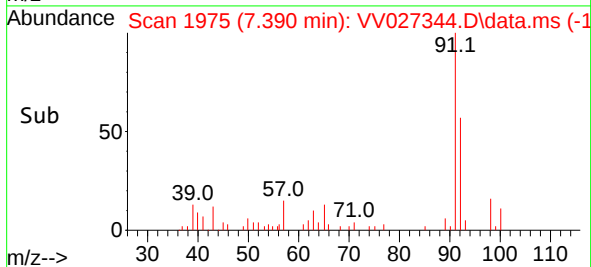
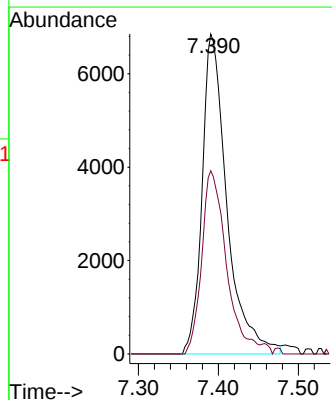
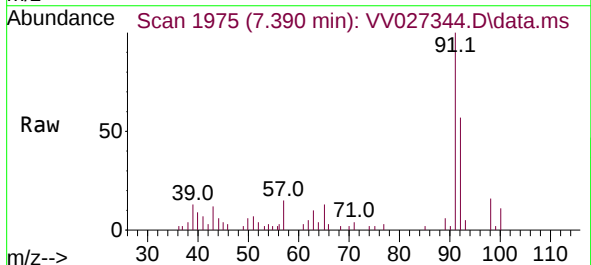
Acq: 12 Aug 2022 22:30

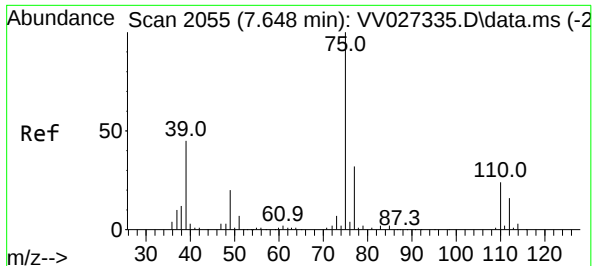
Tgt Ion: 91 Resp: 14765

Ion Ratio Lower Upper

91 100

92 57.3 39.9 74.1

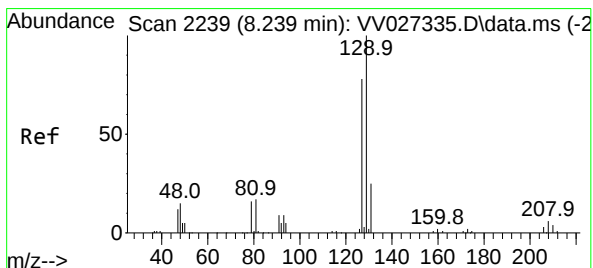
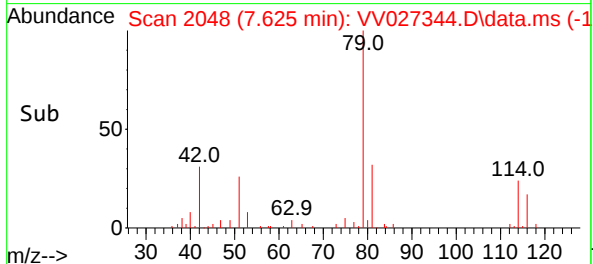
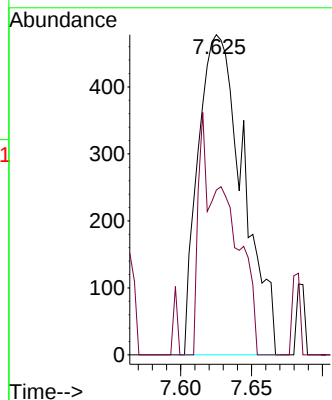
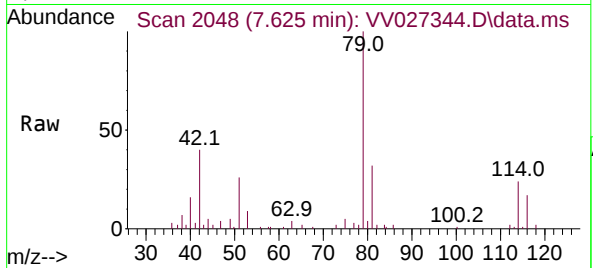




#44
trans-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 7.625 min Scan# 2059
Delta R.T. -0.023 min
Lab File: VV027344.D
Acq: 12 Aug 2022 22:30

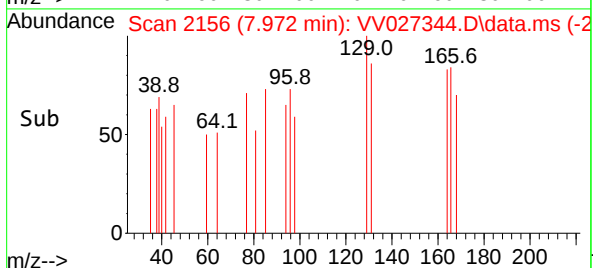
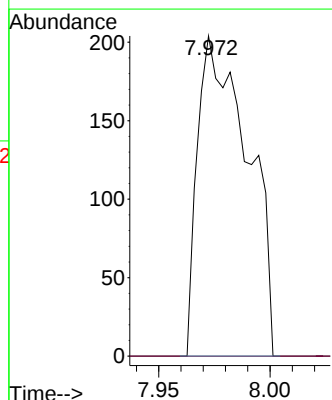
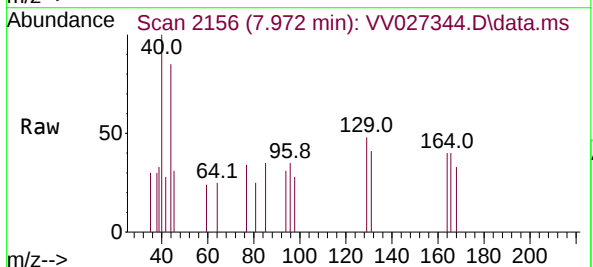
Instrument :
MSVOA_V
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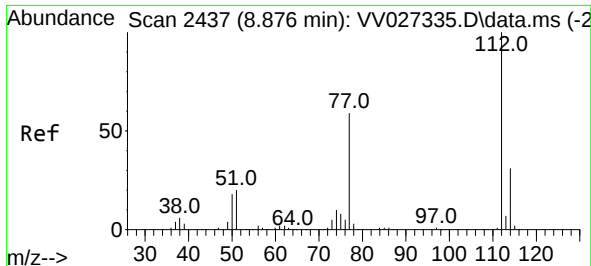
Tgt Ion: 75 Resp: 1059
Ion Ratio Lower Upper
75 100
77 51.5 21.9 40.7#



#49
Dibromochloromethane
Concen: 0.029 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. -0.267 min
Lab File: VV027344.D
Acq: 12 Aug 2022 22:30

Tgt Ion: 129 Resp: 318
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.3#

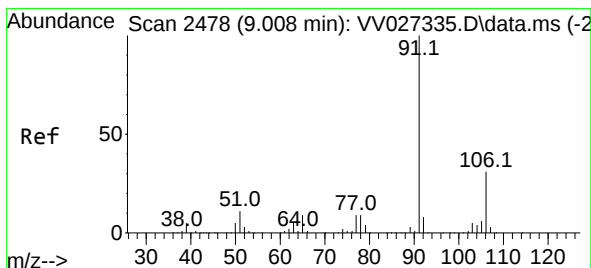
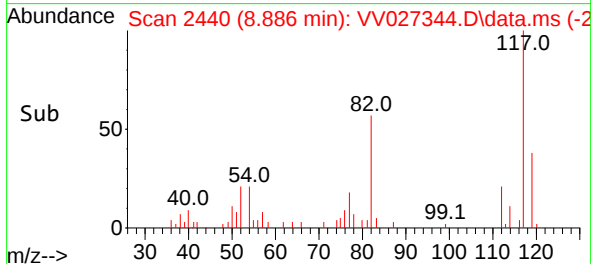
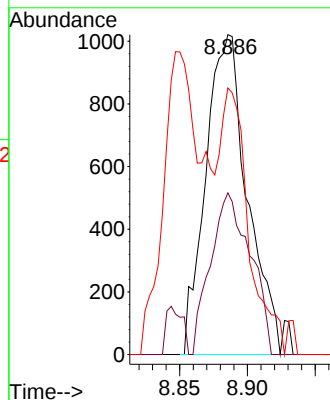
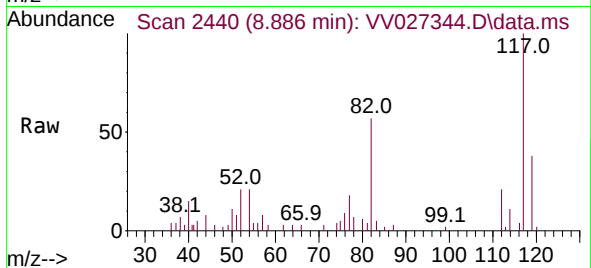




#51
Chlorobenzene
Concen: 0.062 ug/L
RT: 8.886 min Scan# 2437
Delta R.T. 0.009 min
Lab File: VV027344.D
Acq: 12 Aug 2022 22:30

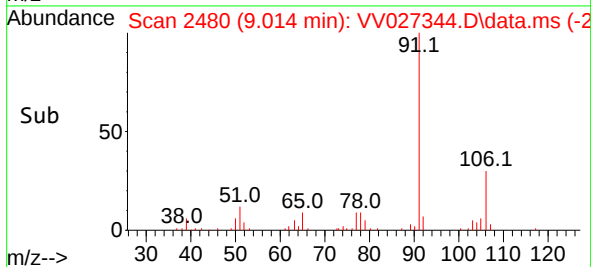
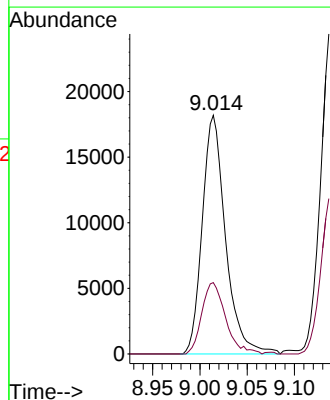
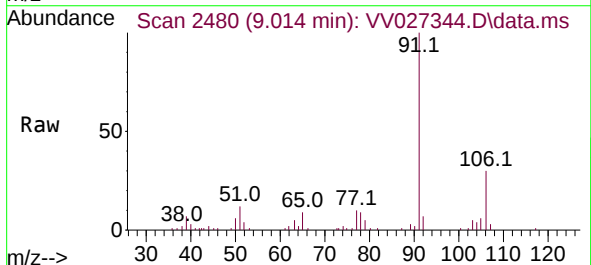
Instrument :
MSVOA_V
ClientSampleId :

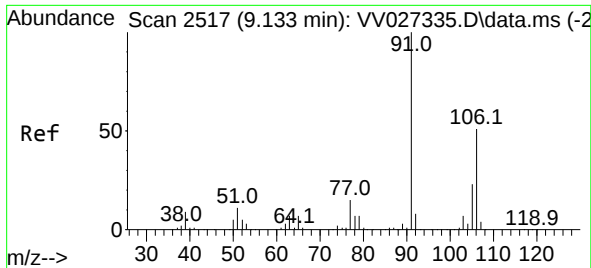
Tgt Ion:112 Resp: 2183
Ion Ratio Lower Upper
112 100
114 50.5 22.5 41.9#
77 83.3 46.4 69.6#



#52
Ethylbenzene
Concen: 0.574 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.006 min
Lab File: VV027344.D
Acq: 12 Aug 2022 22:30

Tgt Ion: 91 Resp: 31118
Ion Ratio Lower Upper
91 100
106 29.9 21.5 39.9

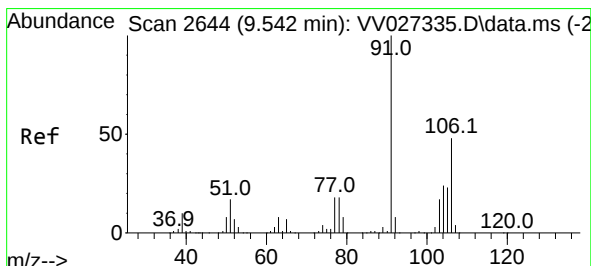
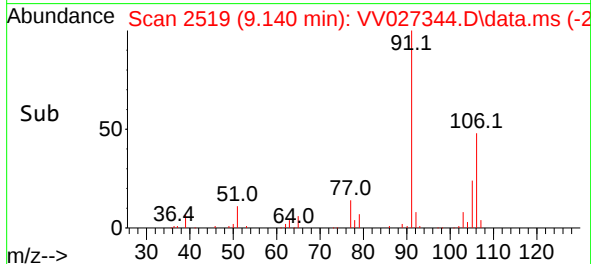
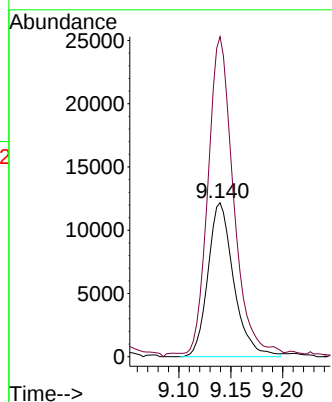
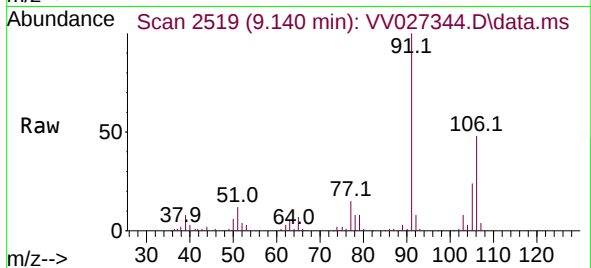




#53
m,p-Xylene
Concen: 1.014 ug/L
RT: 9.140 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV027344.D
Acq: 12 Aug 2022 22:30

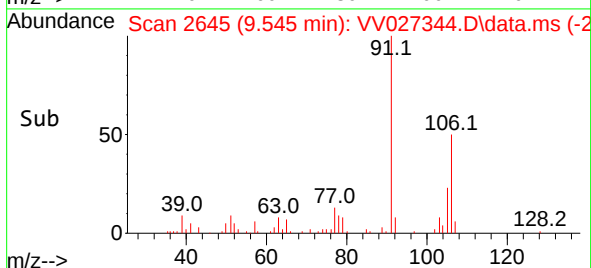
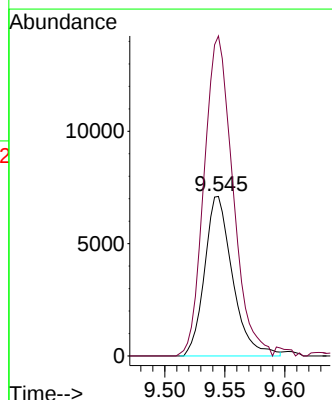
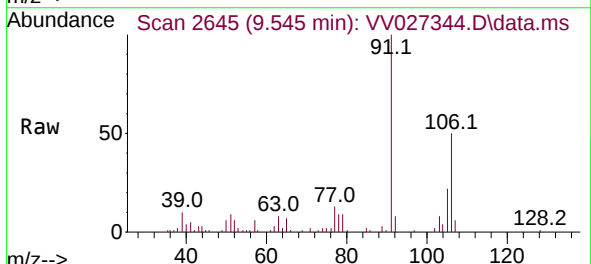
Instrument :
MSVOA_V
ClientSampleId :

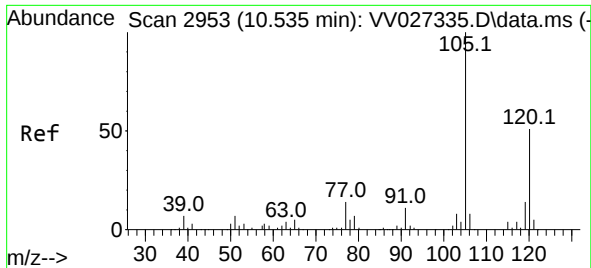
Tgt Ion:106 Resp: 20953
Ion Ratio Lower Upper
106 100
91 207.8 141.5 262.9



#54
o-Xylene
Concen: 0.569 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV027344.D
Acq: 12 Aug 2022 22:30

Tgt Ion:106 Resp: 11502
Ion Ratio Lower Upper
106 100
91 200.6 153.2 284.4

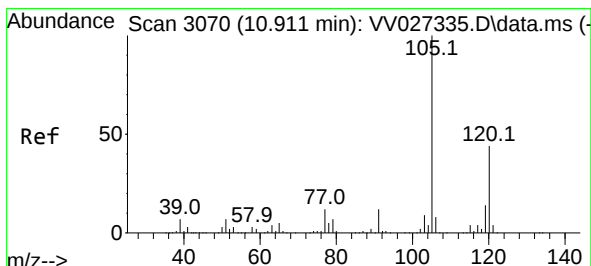
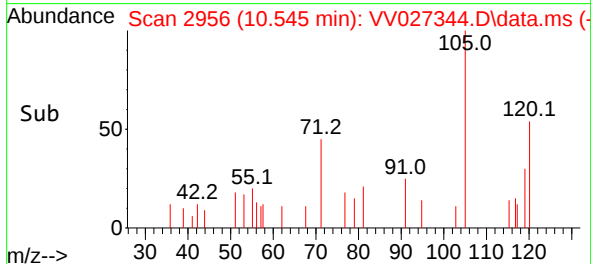
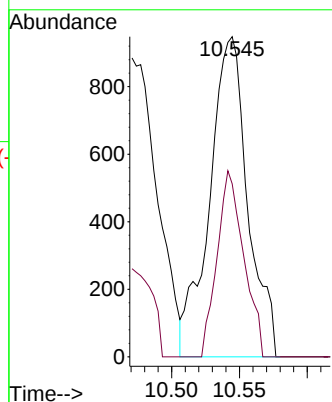
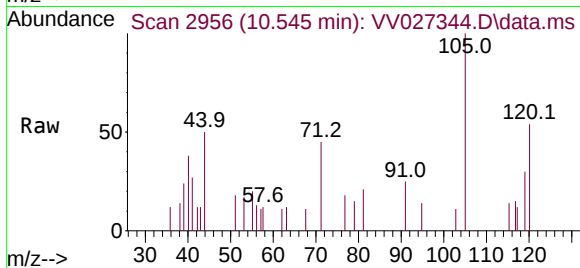




#62
 1,3,5-Trimethylbenzene
 Concen: 0.149 ug/L
 RT: 10.545 min Scan# 2956
 Delta R.T. 0.009 min
 Lab File: VV027344.D
 Acq: 12 Aug 2022 22:30

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion:105 Resp: 1858
 Ion Ratio Lower Upper
 105 100
 120 40.4 38.2 57.4



#63
 1,2,4-Trimethylbenzene
 Concen: 0.152 ug/L
 RT: 10.918 min Scan# 3072
 Delta R.T. 0.006 min
 Lab File: VV027344.D
 Acq: 12 Aug 2022 22:30

Tgt Ion:105 Resp: 5449
 Ion Ratio Lower Upper
 105 100
 120 45.8 36.2 54.2

