

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081222\
 Data File : VW027345.D
 Acq On : 12 Aug 2022 22:55
 Operator : SY/MD
 Sample : N4133-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 13 04:18:21 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	157866	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	170924	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	85159	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	49303	3.595	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.800%
7) Chloroethane-d5	1.561	69	38513	3.866	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.400%
11) 1,1-Dichloroethene-d2	2.101	63	60548	2.434	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.600%#
20) 2-Butanone-d5	3.873	46	130760	56.294	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.580%
24) Chloroform-d	4.342	84	100846	4.009	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
26) 1,2-Dichloroethane-d4	5.030	65	49280	4.112	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
32) Benzene-d6	5.046	84	172160	3.414	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.200%#
36) 1,2-Dichloropropane-d6	6.066	67	58873	3.776	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.600%
41) Toluene-d8	7.313	98	147821	3.202	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.000%#
43) trans-1,3-Dichloroprop...	7.625	79	16323	3.023	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	60.400%
46) 2-Hexanone-d5	8.085	63	89887	43.012	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.020%
56) 1,1,2,2-Tetrachloroeth...	10.213	84	47766	4.235	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	60621	4.124	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.227	50	16907	0.901	ug/L #	41
5) Vinyl chloride	1.307	62	42015	2.400	ug/L #	1
8) Chloroethane	1.342	64	660281	67.849	ug/L #	51
13) Acetone	2.159	43	44061	25.669	ug/L	96
14) Carbon disulfide	2.288	76	58461	1.284	ug/L	99
15) Methyl Acetate	2.651	43	72014	17.231	ug/L #	52
18) trans-1,2-Dichloroethene	2.757	96	6696	0.479	ug/L	95
21) 2-Butanone	3.973	43	25853	11.061	ug/L	97
22) cis-1,2-Dichloroethene	3.902	96	16998	1.236	ug/L	87
33) Benzene	5.098	78	18020	0.308	ug/L	100
34) Trichloroethene	5.918	95	4974	0.342	ug/L	98
35) Methylcyclohexane	6.069	83	13949	0.697	ug/L #	16
42) Toluene	7.384	91	292830	5.024	ug/L	98
47) Tetrachloroethene	7.982	164	1095	0.096	ug/L	94
49) Dibromochloromethane	7.985	129	1287	0.107	ug/L #	10
52) Ethylbenzene	9.017	91	7042	0.120	ug/L	90
53) m,p-Xylene	9.143	106	5500	0.246	ug/L	99
54) o-Xylene	9.551	106	1919	0.088	ug/L	74
61) 1,2,3-Trichloropropane	10.088	75	540	0.066	ug/L #	61

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Instrument :
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ClientSampleId :

Quant Time: Aug 13 04:18:21 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

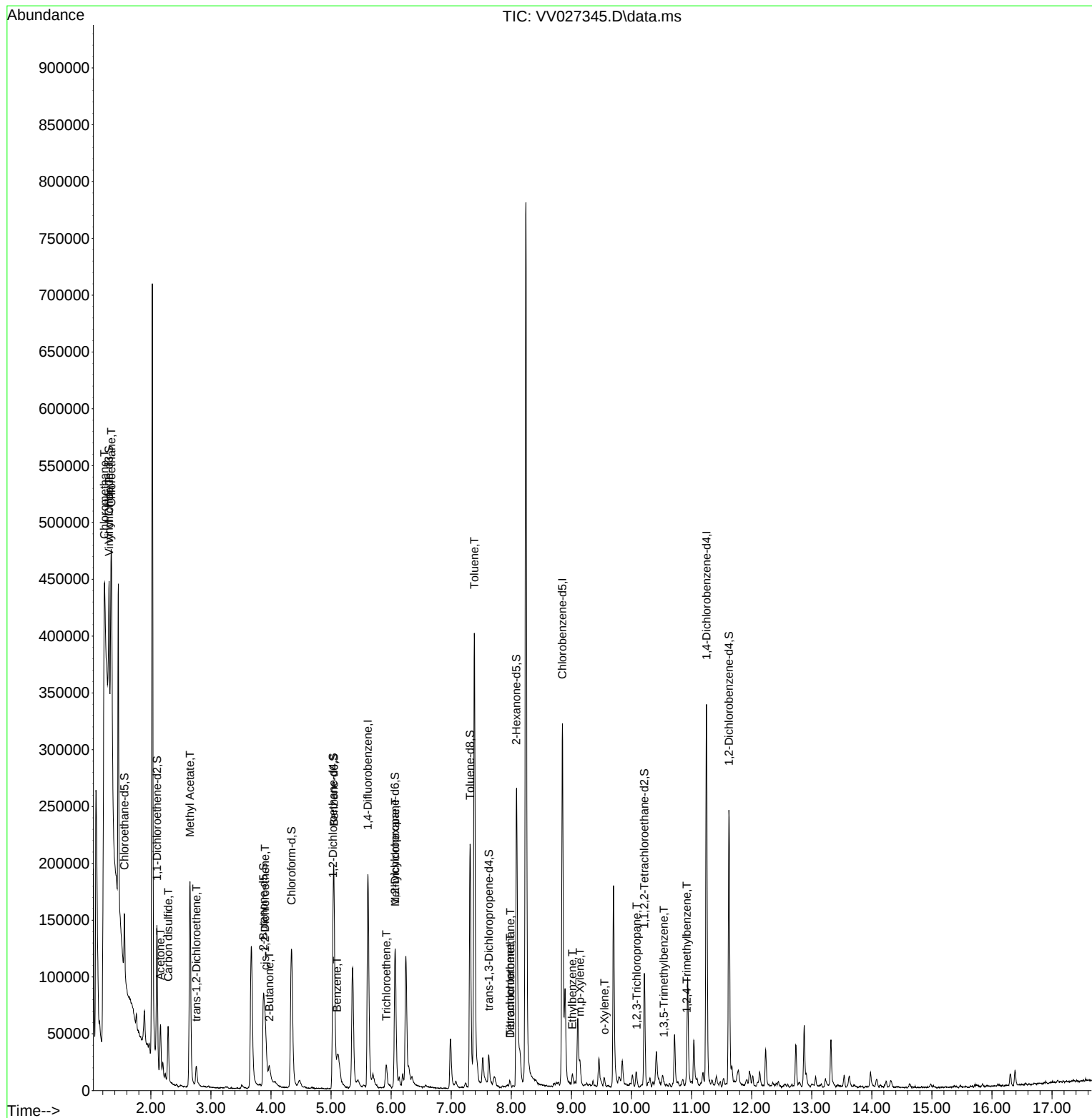
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.538	105	1263	0.085	ug/L	88
63) 1,2,4-Trimethylbenzene	10.918	105	4117	0.097	ug/L	94

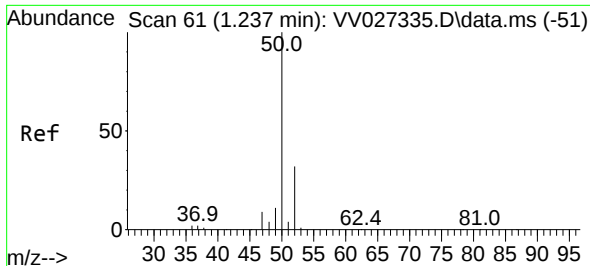
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
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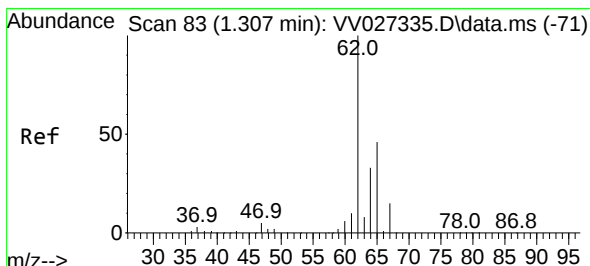
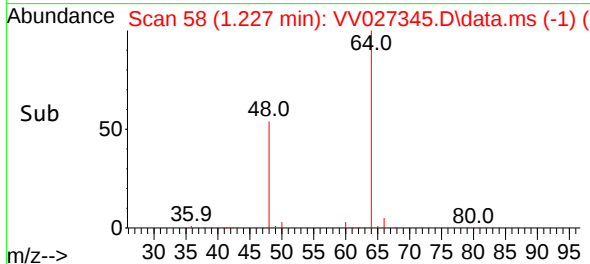
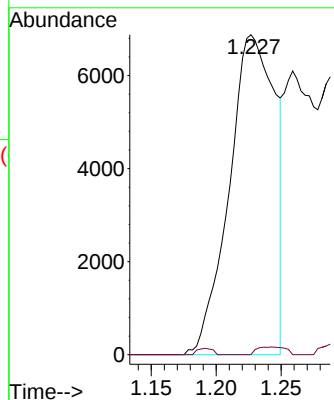
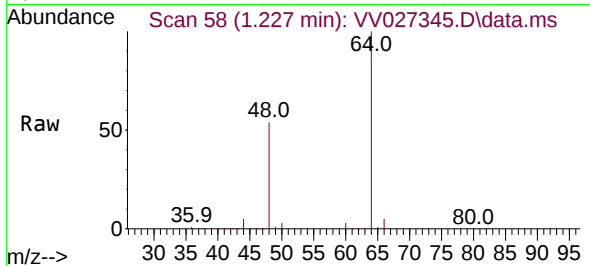




#3
Chloromethane
Concen: 0.901 ug/L
RT: 1.227 min Scan# 51
Delta R.T. -0.010 min
Lab File: VV027345.D
Acq: 12 Aug 2022 22:55

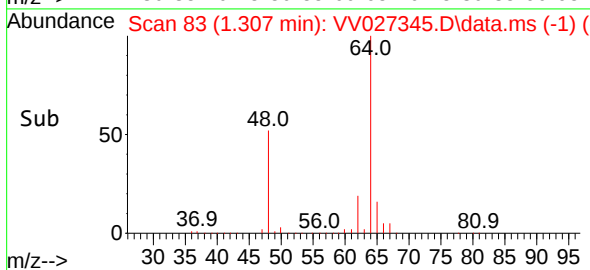
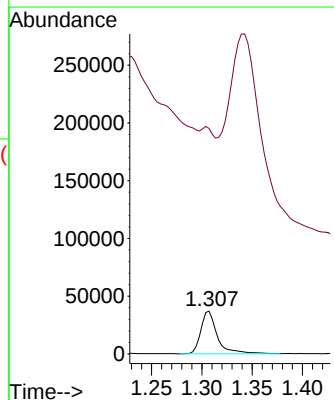
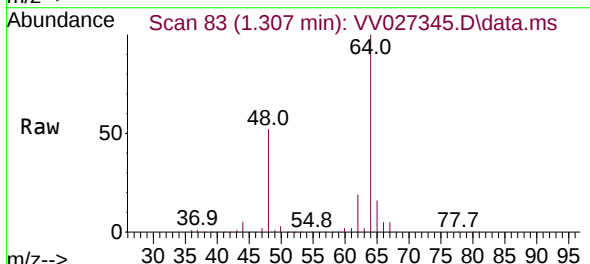
Instrument :
MSVOA_V
ClientSampleId :

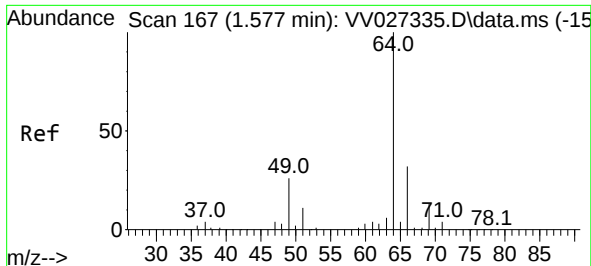
Tgt Ion: 50 Resp: 16907
Ion Ratio Lower Upper
50 100
52 0.0 23.4 43.4#



#5
Vinyl chloride
Concen: 2.400 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.000 min
Lab File: VV027345.D
Acq: 12 Aug 2022 22:55

Tgt Ion: 62 Resp: 42015
Ion Ratio Lower Upper
62 100
64 525.8 23.7 44.1#

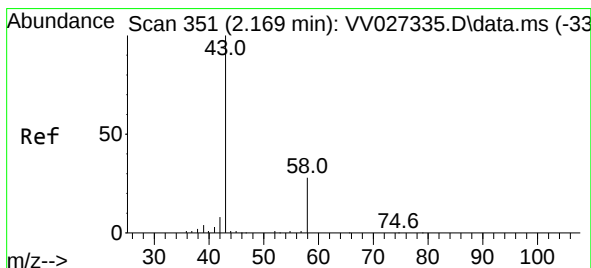
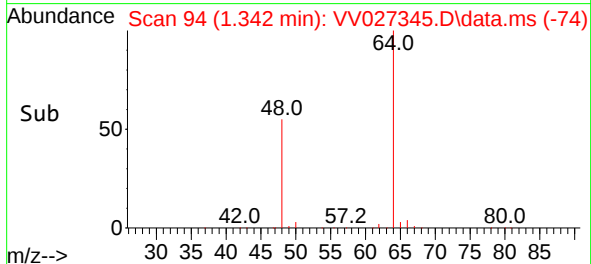
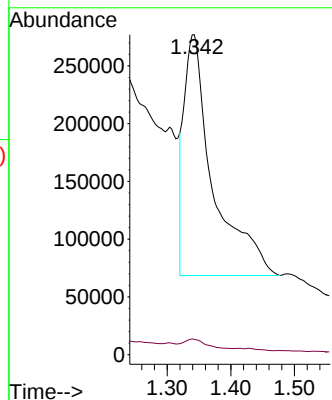
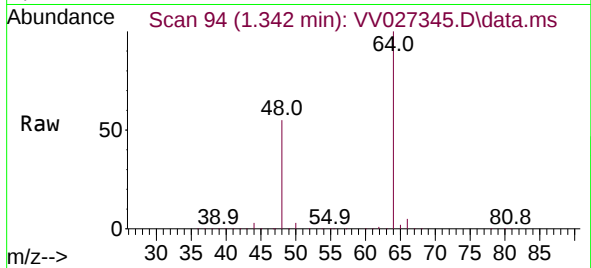




#8
Chloroethane
Concen: 67.849 ug/L
RT: 1.342 min Scan# 94
Delta R.T. -0.235 min
Lab File: VV027345.D
Acq: 12 Aug 2022 22:55

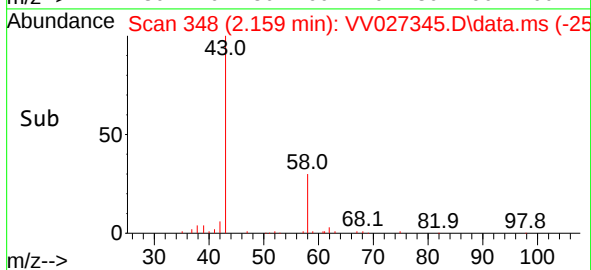
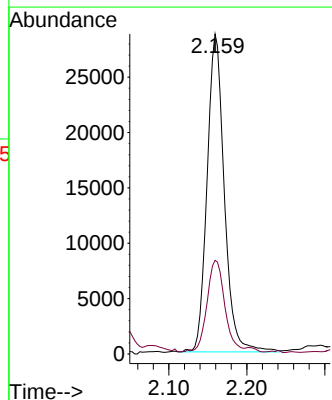
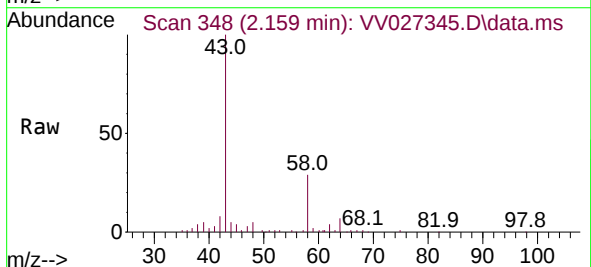
Instrument :
MSVOA_V
ClientSampleId :

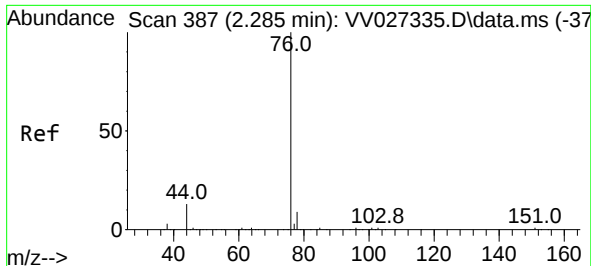
Tgt Ion: 64 Resp: 660281
Ion Ratio Lower Upper
64 100
66 4.8 22.3 41.5#



#13
Acetone
Concen: 25.669 ug/L
RT: 2.159 min Scan# 348
Delta R.T. -0.010 min
Lab File: VV027345.D
Acq: 12 Aug 2022 22:55

Tgt Ion: 43 Resp: 44061
Ion Ratio Lower Upper
43 100
58 29.6 0.0 63.2





#14

Carbon disulfide

Concen: 1.284 ug/L

RT: 2.288 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV027345.D

Acq: 12 Aug 2022 22:55

Instrument :

MSVOA_V

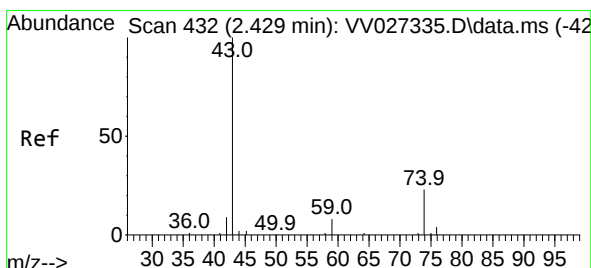
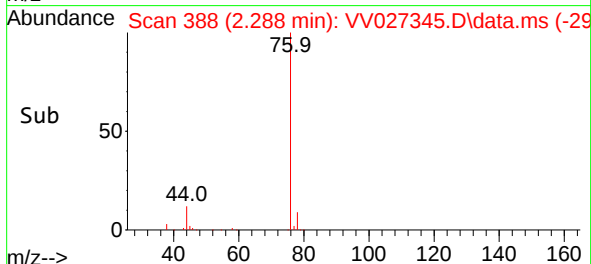
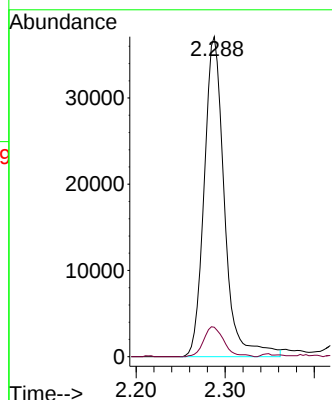
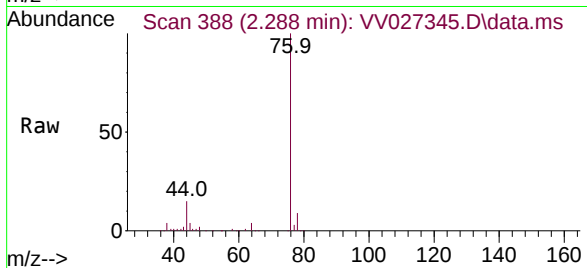
ClientSampleId :

Tgt Ion: 76 Resp: 58461

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



#15

Methyl Acetate

Concen: 17.231 ug/L

RT: 2.651 min Scan# 501

Delta R.T. 0.222 min

Lab File: VV027345.D

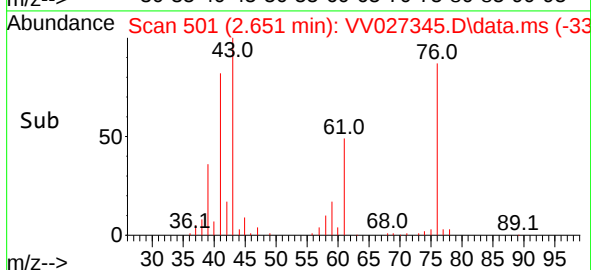
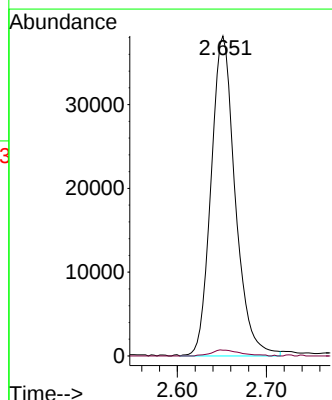
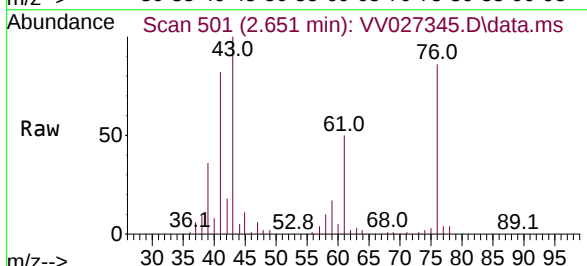
Acq: 12 Aug 2022 22:55

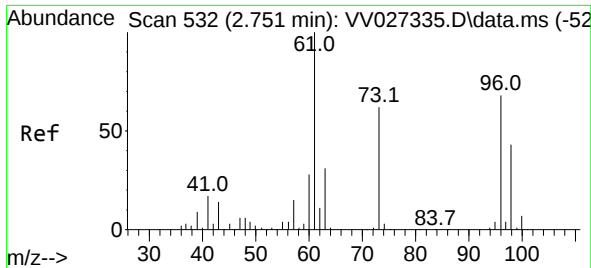
Tgt Ion: 43 Resp: 72014

Ion Ratio Lower Upper

43 100

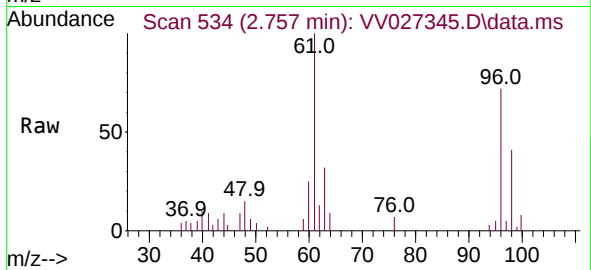
74 2.3 21.8 32.8#





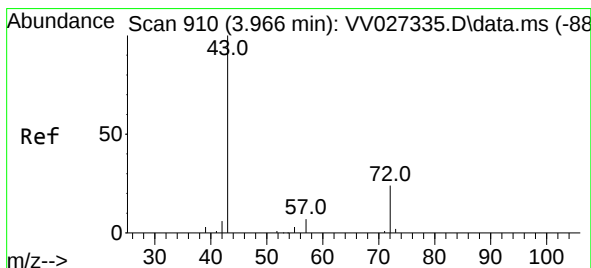
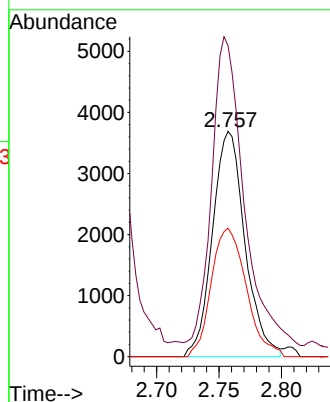
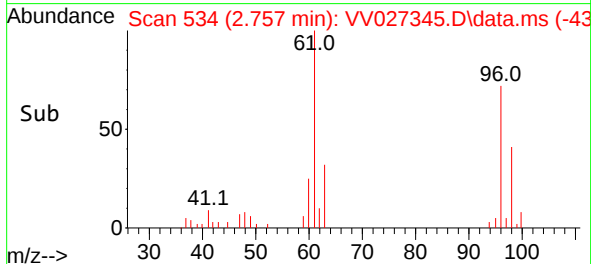
#18
trans-1,2-Dichloroethene
Concen: 0.479 ug/L
RT: 2.757 min Scan# 511
Delta R.T. 0.006 min
Lab File: VV027345.D
Acq: 12 Aug 2022 22:55

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 6696

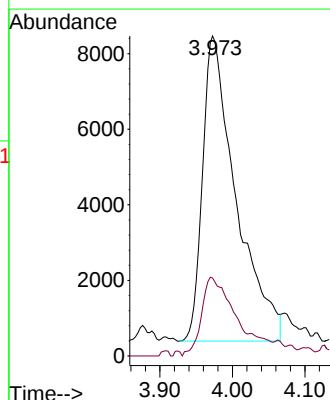
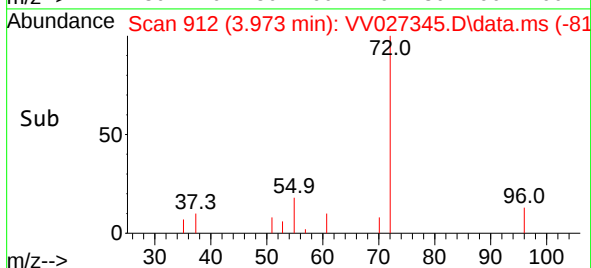
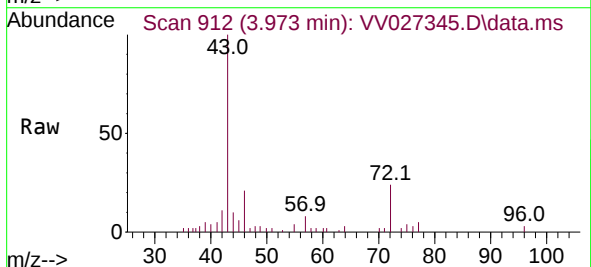
Ion	Ratio	Lower	Upper
96	100		
61	138.1	99.6	185.0
98	57.0	45.1	83.7

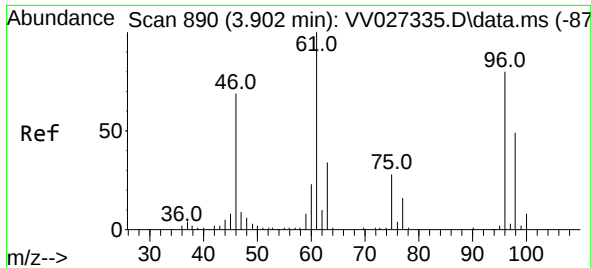


#21
2-Butanone
Concen: 11.061 ug/L
RT: 3.973 min Scan# 912
Delta R.T. 0.006 min
Lab File: VV027345.D
Acq: 12 Aug 2022 22:55

Tgt Ion: 43 Resp: 25853

Ion	Ratio	Lower	Upper
43	100		
72	27.4	12.9	38.6

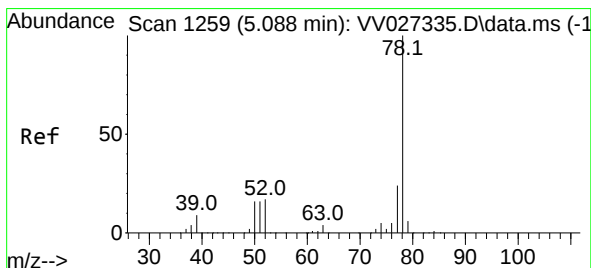
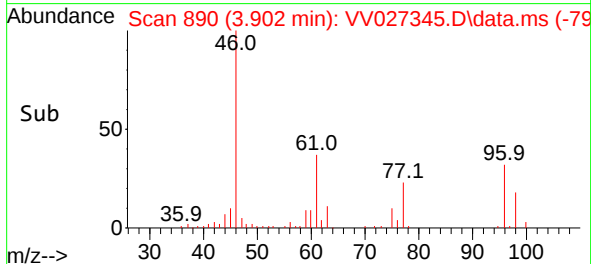
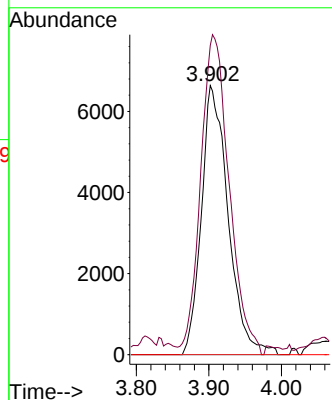
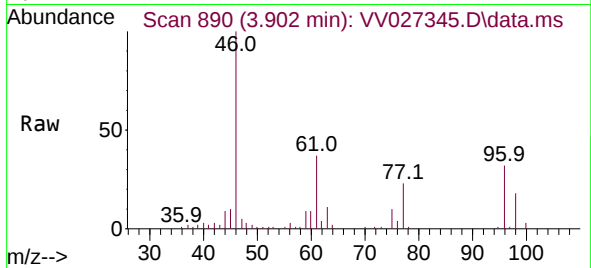




#22
 cis-1,2-Dichloroethene
 Concen: 1.236 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. -0.000 min
 Lab File: VV027345.D
 Acq: 12 Aug 2022 22:55

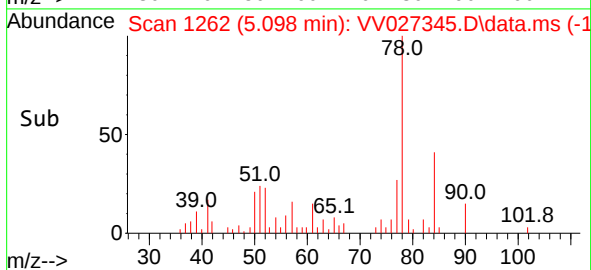
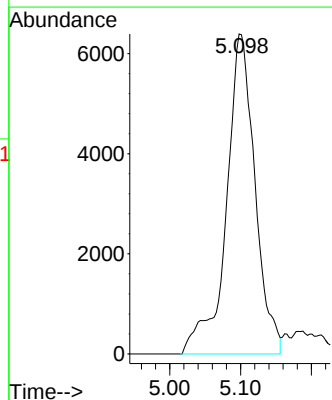
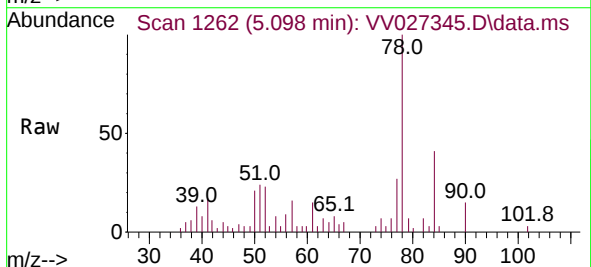
Instrument :
 MSVOA_V
 ClientSampleId :

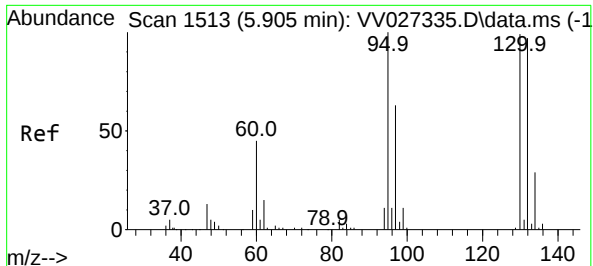
Tgt Ion: 96 Resp: 16998
 Ion Ratio Lower Upper
 96 100
 61 114.9 91.3 169.5
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 0.308 ug/L
 RT: 5.098 min Scan# 1262
 Delta R.T. 0.009 min
 Lab File: VV027345.D
 Acq: 12 Aug 2022 22:55

Tgt Ion: 78 Resp: 18020





#34

Trichloroethene

Concen: 0.342 ug/L

RT: 5.918 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV027345.D

Acq: 12 Aug 2022 22:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 4974

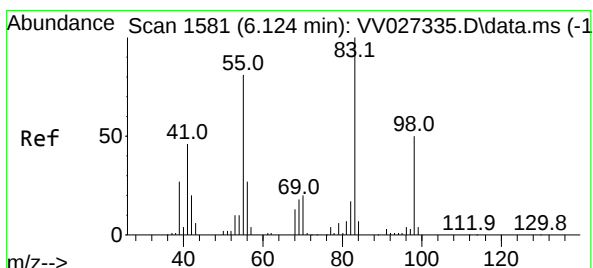
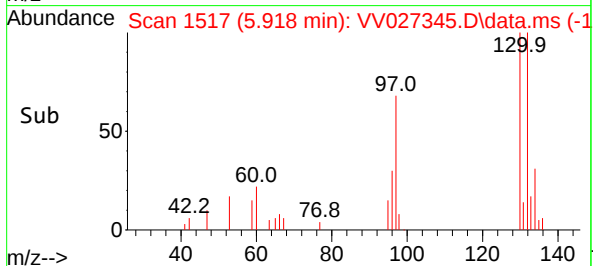
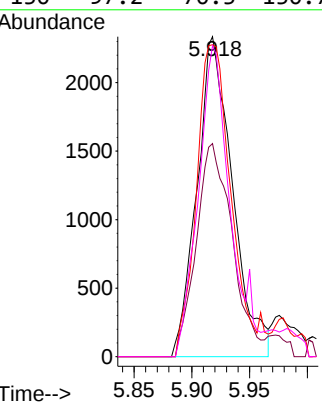
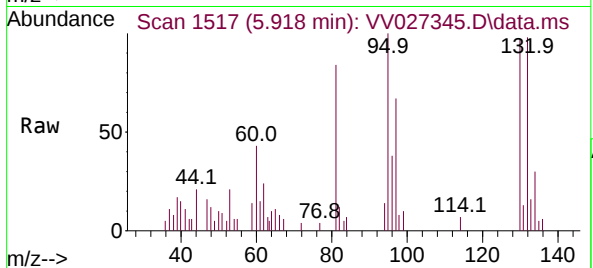
Ion Ratio Lower Upper

95 100

97 66.6 45.5 84.5

132 97.5 68.2 126.6

130 97.2 70.3 130.7



#35

Methylcyclohexane

Concen: 0.697 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.055 min

Lab File: VV027345.D

Acq: 12 Aug 2022 22:55

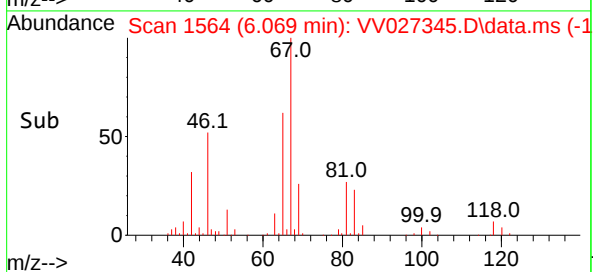
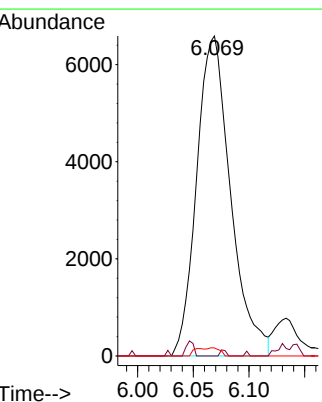
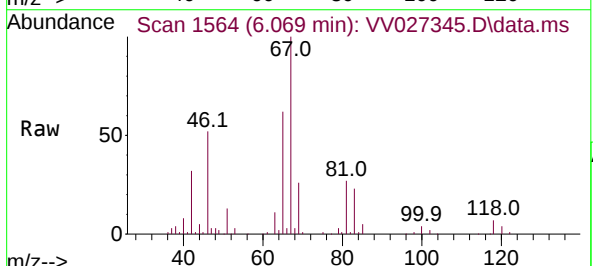
Tgt Ion: 83 Resp: 13949

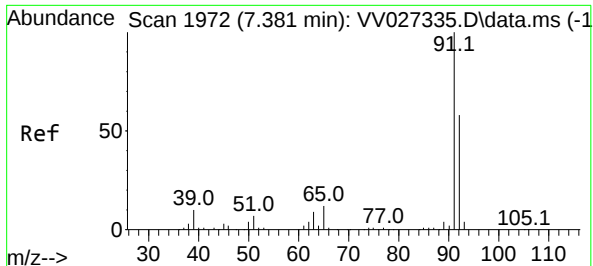
Ion Ratio Lower Upper

83 100

55 0.0 67.0 100.6#

98 0.8 38.7 58.1#

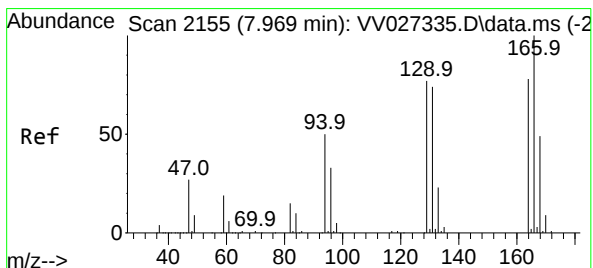
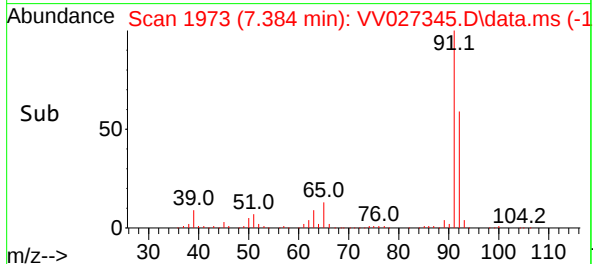
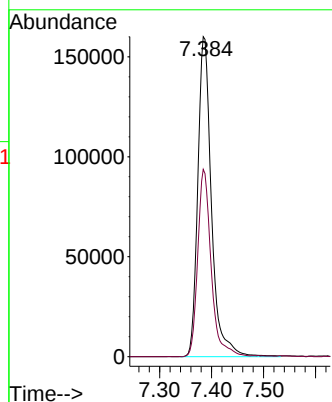
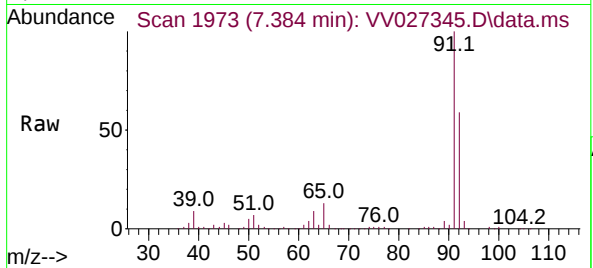




#42
Toluene
Concen: 5.024 ug/L
RT: 7.384 min Scan# 1972
Delta R.T. 0.003 min
Lab File: VV027345.D
Acq: 12 Aug 2022 22:55

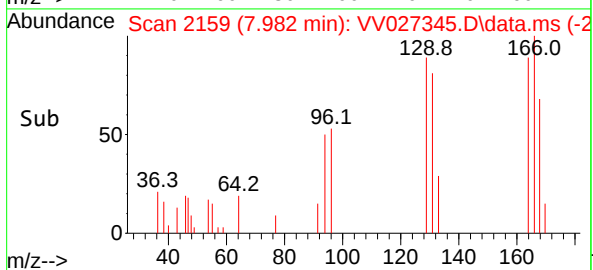
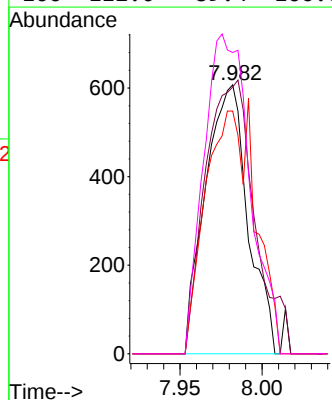
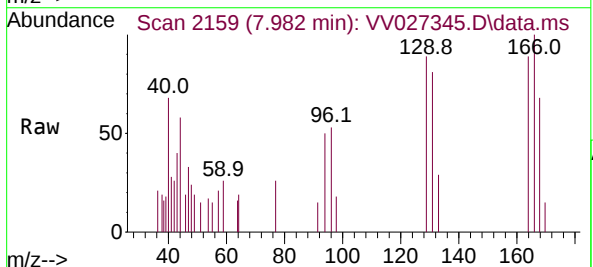
Instrument :
MSVOA_V
ClientSampleId :

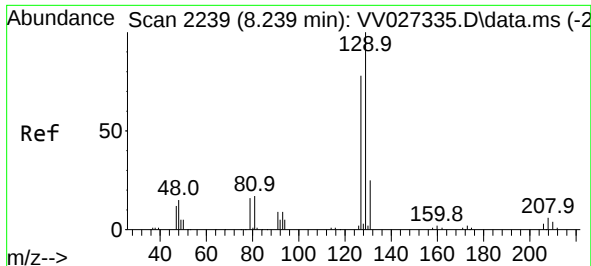
Tgt Ion: 91 Resp: 292830
Ion Ratio Lower Upper
91 100
92 58.6 39.9 74.1



#47
Tetrachloroethene
Concen: 0.096 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.013 min
Lab File: VV027345.D
Acq: 12 Aug 2022 22:55

Tgt Ion: 164 Resp: 1095
Ion Ratio Lower Upper
164 100
129 99.2 69.0 128.1
131 90.3 64.7 120.1
166 112.0 89.4 166.0





#49

Dibromochloromethane

Concen: 0.107 ug/L

RT: 7.985 min Scan# 2160

Delta R.T. -0.254 min

Lab File: VV027345.D

Acq: 12 Aug 2022 22:55

Instrument :

MSVOA_V

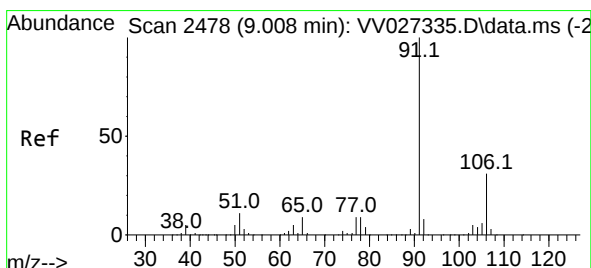
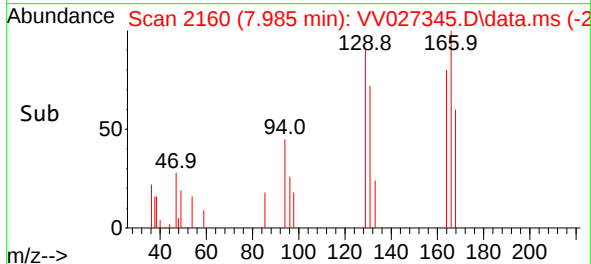
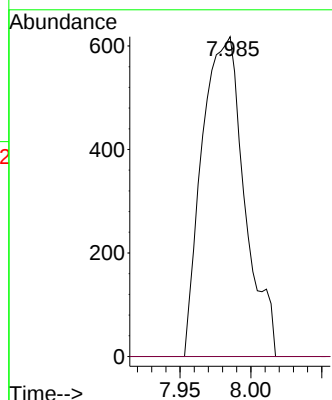
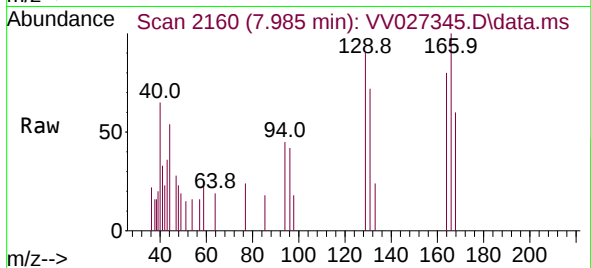
ClientSampleId :

Tgt Ion:129 Resp: 1287

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.3#



#52

Ethylbenzene

Concen: 0.120 ug/L

RT: 9.017 min Scan# 2481

Delta R.T. 0.009 min

Lab File: VV027345.D

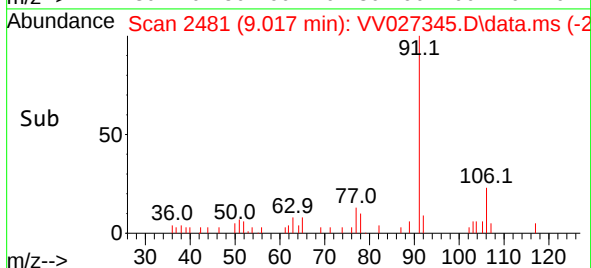
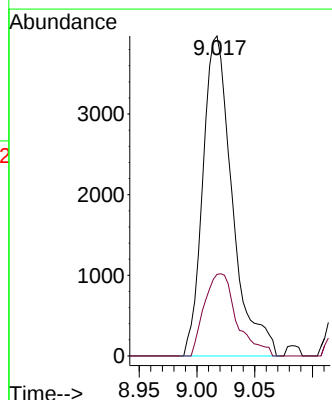
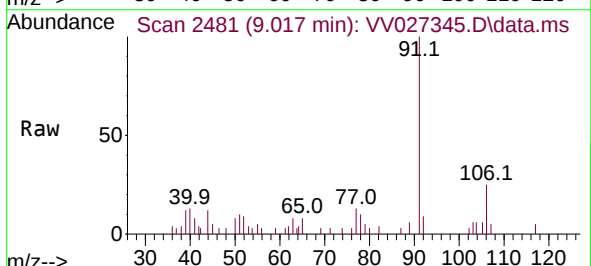
Acq: 12 Aug 2022 22:55

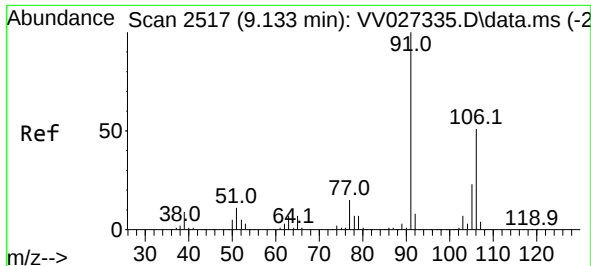
Tgt Ion: 91 Resp: 7042

Ion Ratio Lower Upper

91 100

106 25.5 21.5 39.9





#53

m,p-Xylene

Concen: 0.246 ug/L

RT: 9.143 min Scan# 2

Delta R.T. 0.009 min

Lab File: VV027345.D

Acq: 12 Aug 2022 22:55

Instrument :

MSVOA_V

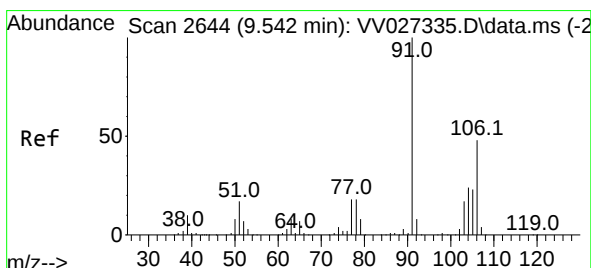
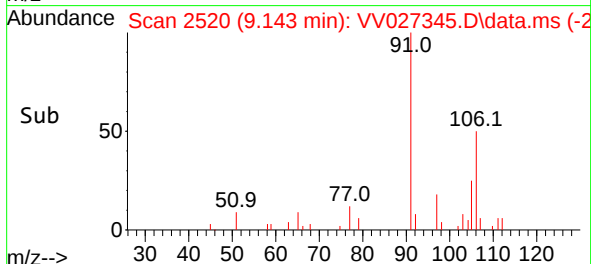
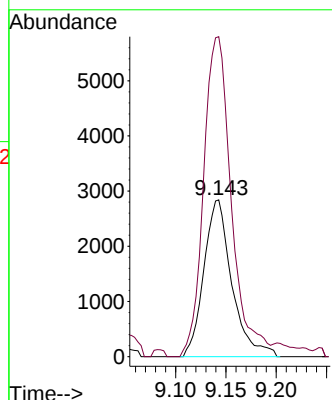
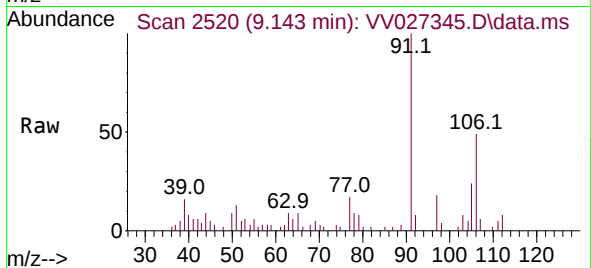
ClientSampleId :

Tgt Ion:106 Resp: 5500

Ion Ratio Lower Upper

106 100

91 204.0 141.5 262.9



#54

o-Xylene

Concen: 0.088 ug/L

RT: 9.551 min Scan# 2647

Delta R.T. 0.009 min

Lab File: VV027345.D

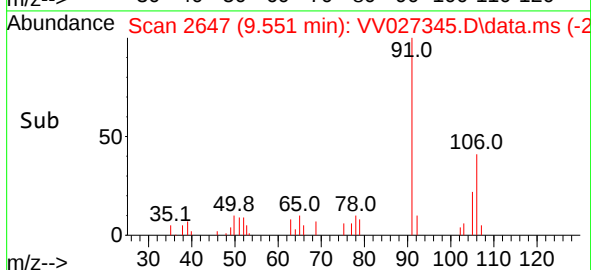
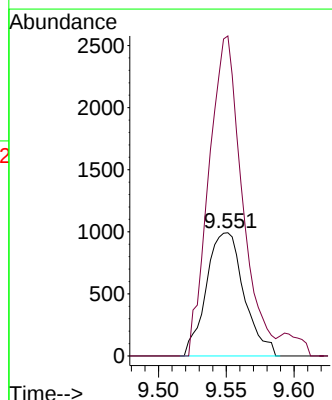
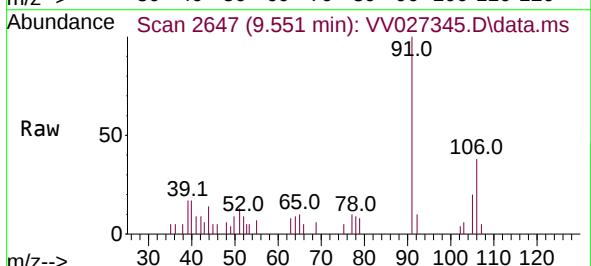
Acq: 12 Aug 2022 22:55

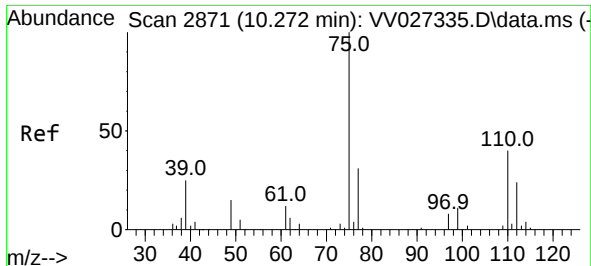
Tgt Ion:106 Resp: 1919

Ion Ratio Lower Upper

106 100

91 259.8 153.2 284.4





#61

1,2,3-Trichloropropane

Concen: 0.066 ug/L

RT: 10.088 min Scan# 21

Delta R.T. -0.183 min

Lab File: VV027345.D

Acq: 12 Aug 2022 22:55

Instrument :

MSVOA_V

ClientSampleId :

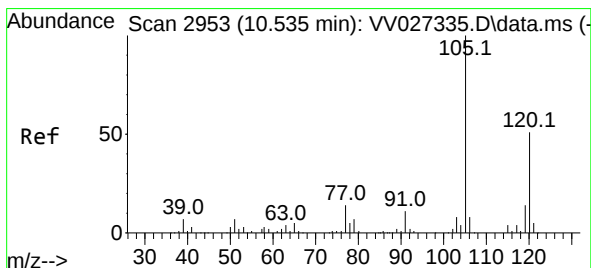
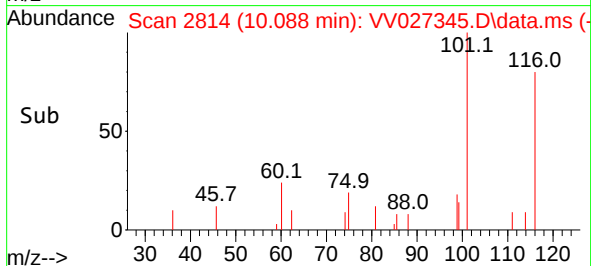
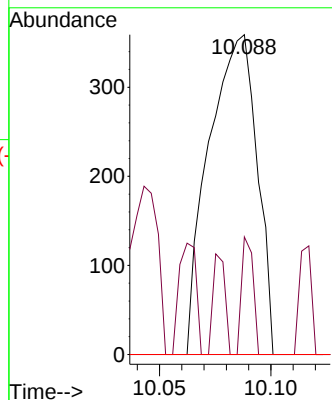
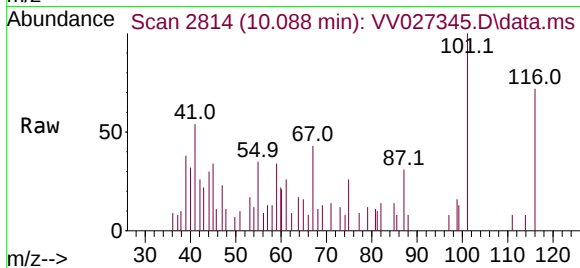
Tgt Ion: 75 Resp: 540

Ion Ratio Lower Upper

75 100

77 27.8 26.6 39.8

110 0.0 31.0 46.6#



#62

1,3,5-Trimethylbenzene

Concen: 0.085 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.003 min

Lab File: VV027345.D

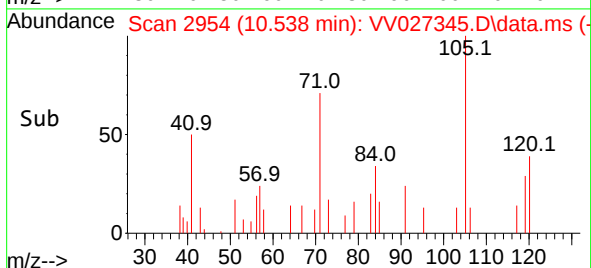
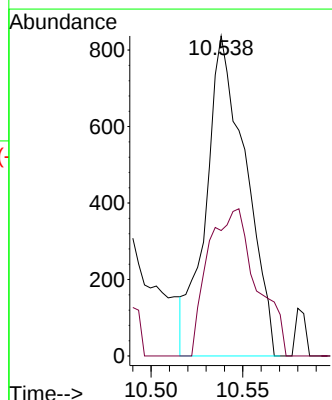
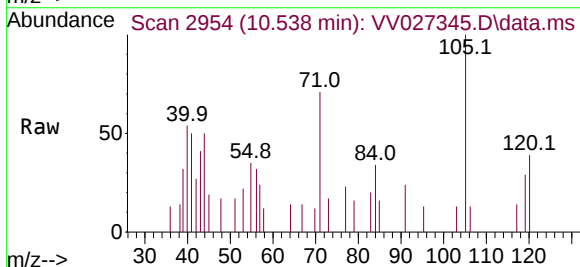
Acq: 12 Aug 2022 22:55

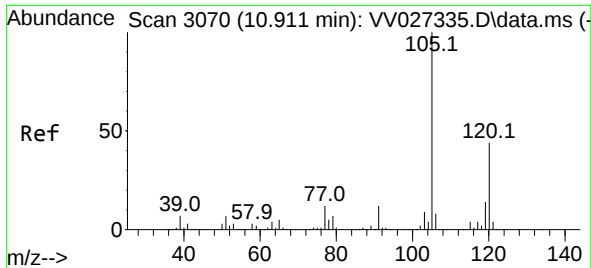
Tgt Ion: 105 Resp: 1263

Ion Ratio Lower Upper

105 100

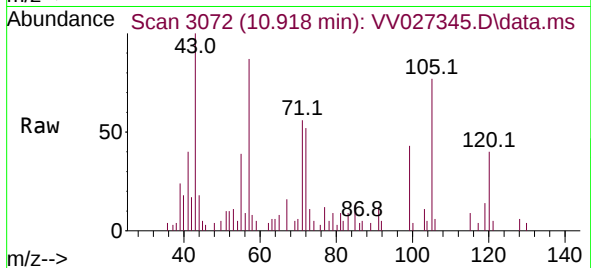
120 56.1 38.2 57.4





#63
 1,2,4-Trimethylbenzene
 Concen: 0.097 ug/L
 RT: 10.918 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: VV027345.D
 Acq: 12 Aug 2022 22:55

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:105 Resp: 4117
 Ion Ratio Lower Upper
 105 100
 120 49.0 36.2 54.2

