

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081222\
 Data File : VV027356.D
 Acq On : 13 Aug 2022 03:28
 Operator : SY/MD
 Sample : N4115-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 13 04:20:43 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	5.613	114	161395	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	160911	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	70047	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	52874	3.771	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.400%
7) Chloroethane-d5	1.561	69	39847	3.913	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.200%
11) 1,1-Dichloroethene-d2	2.195	63	4731	0.186	ug/L	0.09
Spiked Amount	5.000	Range	60 - 125	Recovery	=	3.800%#
20) 2-Butanone-d5	3.873	46	121229	51.050	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.100%
24) Chloroform-d	4.343	84	103420	4.022	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
26) 1,2-Dichloroethane-d4	5.031	65	49490	4.040	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.800%
32) Benzene-d6	5.047	84	173289	3.651	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.000%
36) 1,2-Dichloropropane-d6	6.066	67	63424	4.321	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.313	98	144695	3.330	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.600%#
43) trans-1,3-Dichloroprop...	7.625	79	14072	2.768	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	55.400%
46) 2-Hexanone-d5	8.088	63	88666	45.067	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.140%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	46332	4.364	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	55798	4.615	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	8533	0.477	ug/L #	1
8) Chloroethane	1.339	64	326379	32.804	ug/L #	52
13) Acetone	2.163	43	11836	6.745	ug/L	97
14) Carbon disulfide	2.291	76	5423	0.117	ug/L	98
15) Methyl Acetate	2.163	43	11287	2.642	ug/L #	49
18) trans-1,2-Dichloroethene	2.761	96	1308	0.091	ug/L	85
22) cis-1,2-Dichloroethene	3.905	96	11947	0.850	ug/L	97
33) Benzene	5.098	78	8763	0.159	ug/L	100
35) Methylcyclohexane	6.066	83	15413	0.818	ug/L #	16
37) 1,2-Dichloropropane	6.069	63	7690	0.566	ug/L #	85
39) cis-1,3-Dichloropropene	6.992	75	1120	0.067	ug/L	84
42) Toluene	7.384	91	178571	3.254	ug/L	97
52) Ethylbenzene	9.018	91	4445	0.081	ug/L	95
53) m,p-Xylene	9.143	106	2715	0.129	ug/L	94
60) Isopropylbenzene	10.452	105	2032	0.046	ug/L #	83
62) 1,3,5-Trimethylbenzene	10.542	105	1838	0.151	ug/L	96
63) 1,2,4-Trimethylbenzene	10.918	105	2525	0.072	ug/L	98

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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

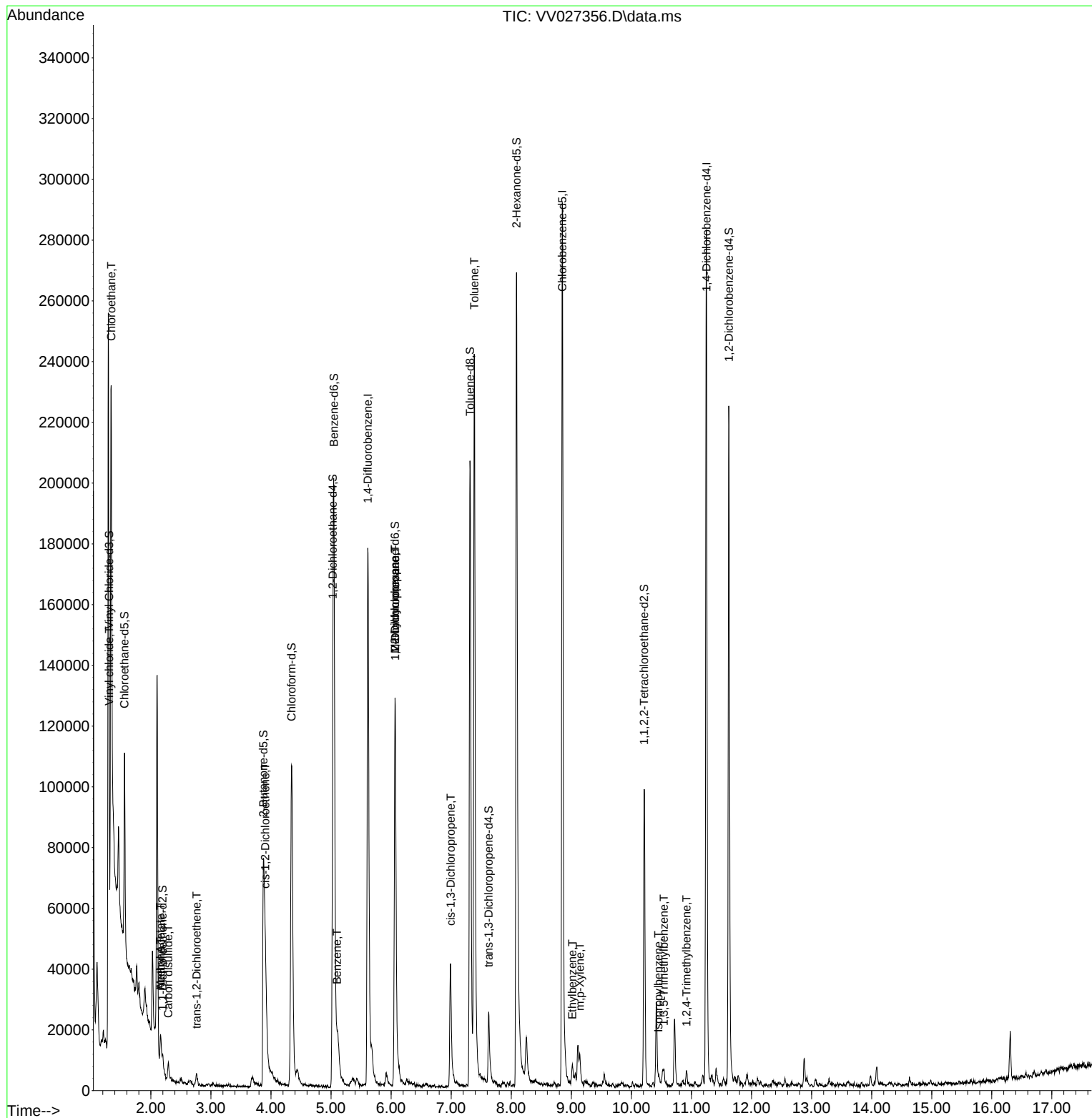
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

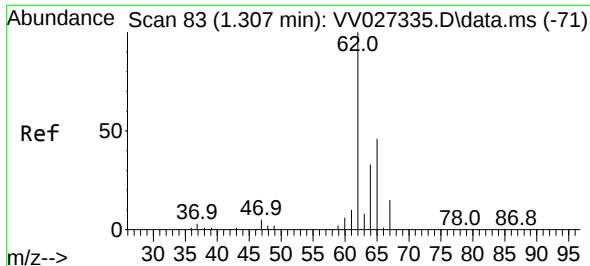
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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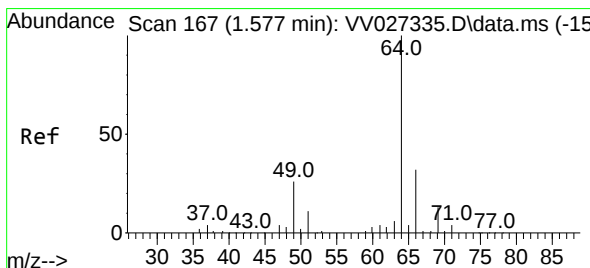
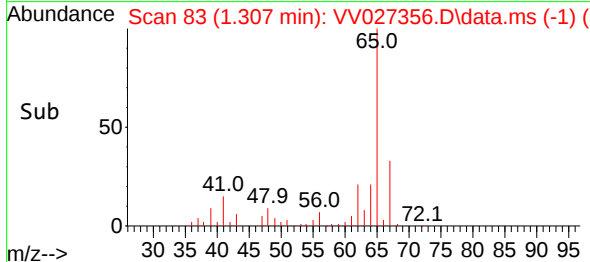
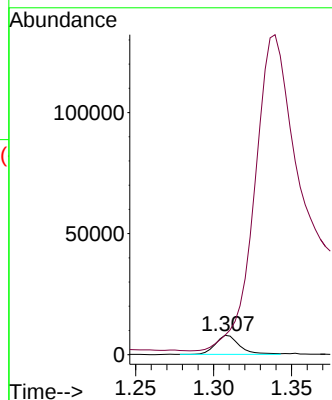
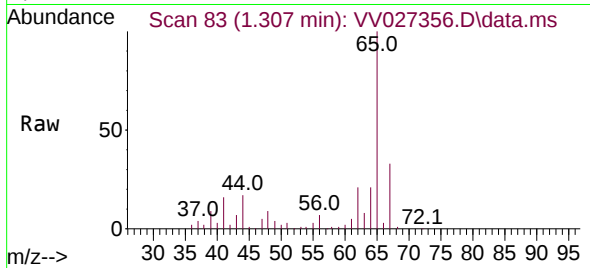




#5
 Vinyl chloride
 Concen: 0.477 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV027356.D
 Acq: 13 Aug 2022 03:28

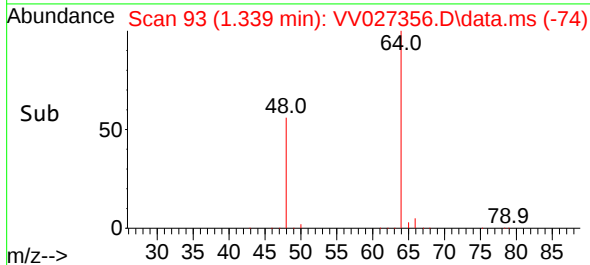
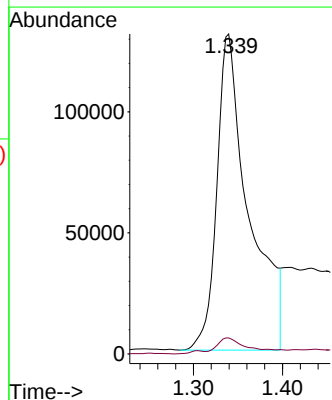
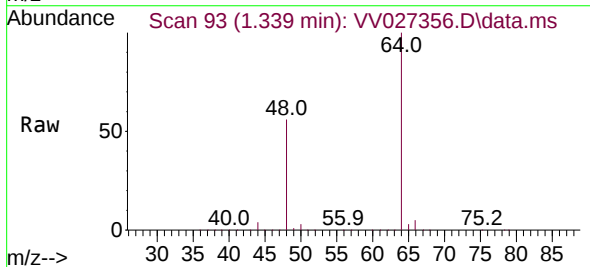
Instrument :
 MSVOA_V
 ClientSampleId :

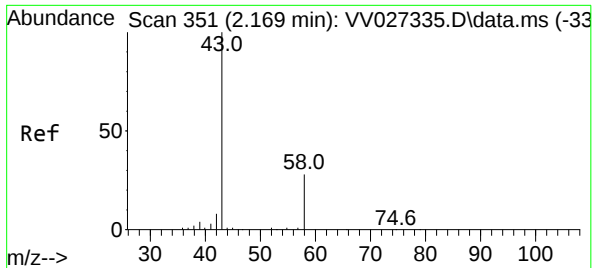
Tgt Ion: 62 Resp: 8533
 Ion Ratio Lower Upper
 62 100
 64 100.3 23.7 44.1#



#8
 Chloroethane
 Concen: 32.804 ug/L
 RT: 1.339 min Scan# 93
 Delta R.T. -0.238 min
 Lab File: VV027356.D
 Acq: 13 Aug 2022 03:28

Tgt Ion: 64 Resp: 326379
 Ion Ratio Lower Upper
 64 100
 66 5.0 22.3 41.5#





#13

Acetone

Concen: 6.745 ug/L

RT: 2.163 min Scan# 349

Delta R.T. -0.006 min

Lab File: VV027356.D

Acq: 13 Aug 2022 03:28

Instrument :

MSVOA_V

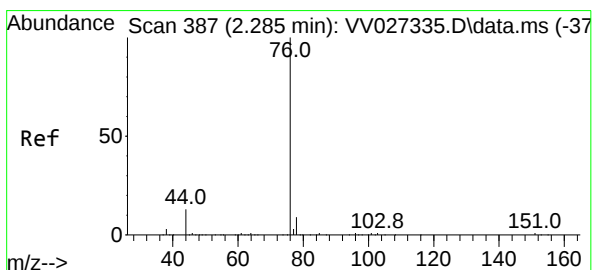
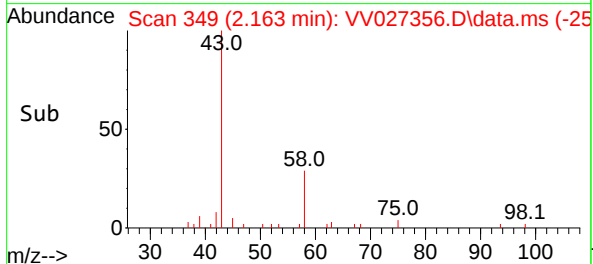
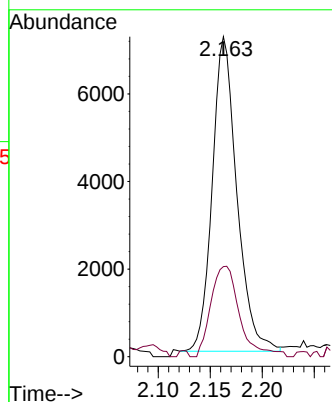
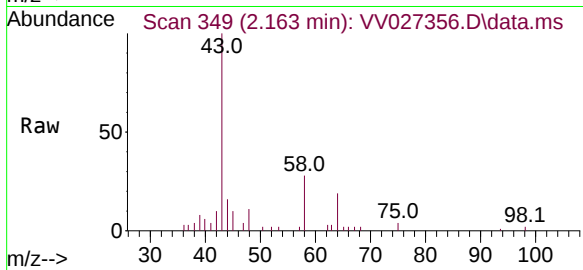
ClientSampleId :

Tgt Ion: 43 Resp: 11836

Ion Ratio Lower Upper

43 100

58 33.5 0.0 63.2



#14

Carbon disulfide

Concen: 0.117 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.006 min

Lab File: VV027356.D

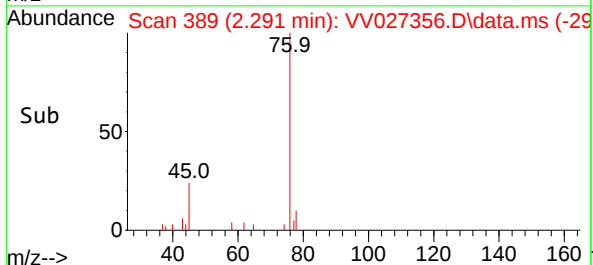
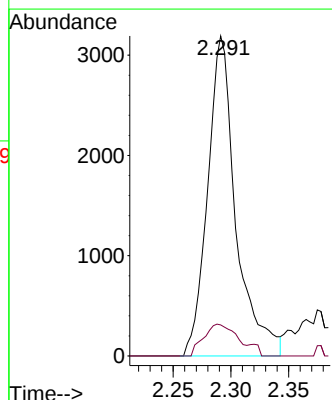
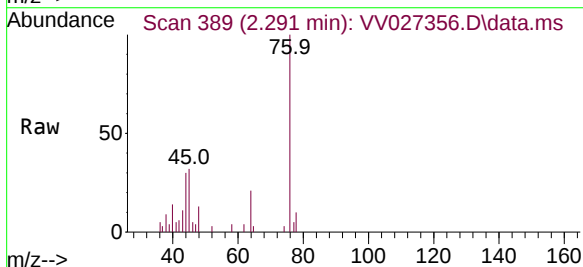
Acq: 13 Aug 2022 03:28

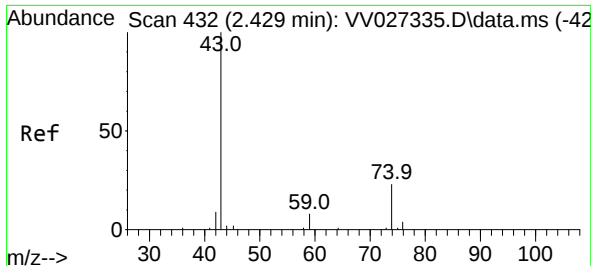
Tgt Ion: 76 Resp: 5423

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8





#15

Methyl Acetate

Concen: 2.642 ug/L

RT: 2.163 min Scan# 34

Delta R.T. -0.267 min

Lab File: VV027356.D

Acq: 13 Aug 2022 03:28

Instrument :

MSVOA_V

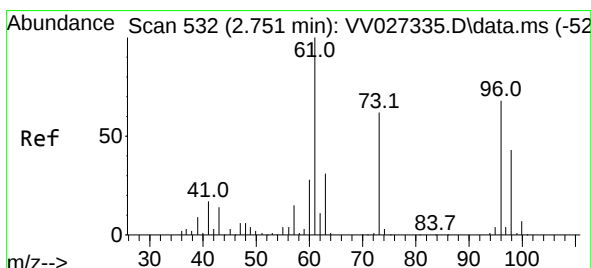
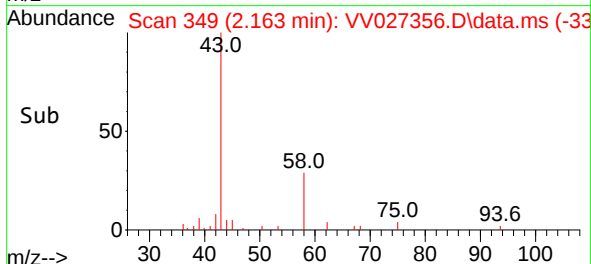
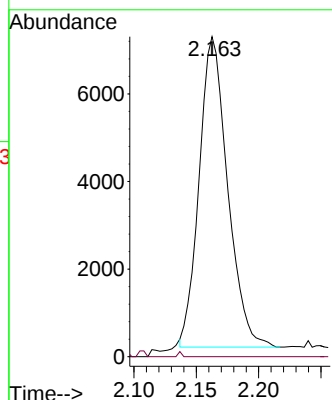
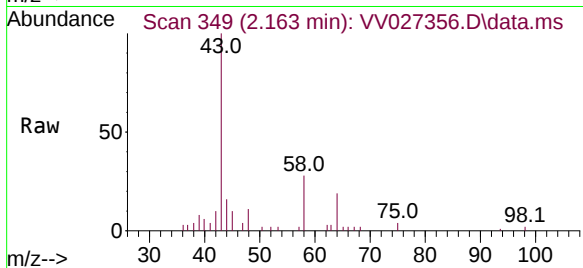
ClientSampleId :

Tgt Ion: 43 Resp: 11287

Ion Ratio Lower Upper

43 100

74 0.5 21.8 32.8#



#18

trans-1,2-Dichloroethene

Concen: 0.091 ug/L

RT: 2.761 min Scan# 535

Delta R.T. 0.010 min

Lab File: VV027356.D

Acq: 13 Aug 2022 03:28

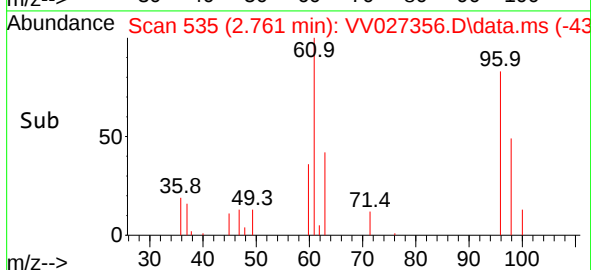
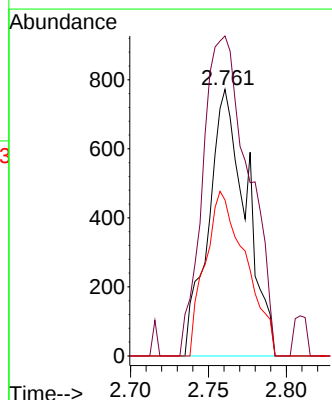
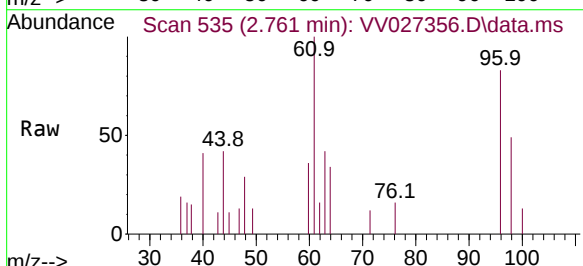
Tgt Ion: 96 Resp: 1308

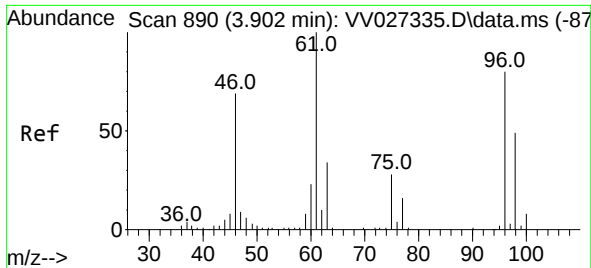
Ion Ratio Lower Upper

96 100

61 120.1 99.6 185.0

98 58.5 45.1 83.7





#22

cis-1,2-Dichloroethene

Concen: 0.850 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV027356.D

Acq: 13 Aug 2022 03:28

Instrument :

MSVOA_V

ClientSampleId :

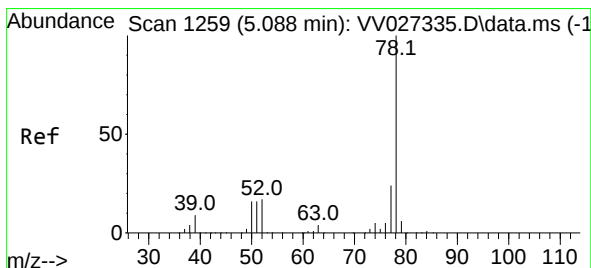
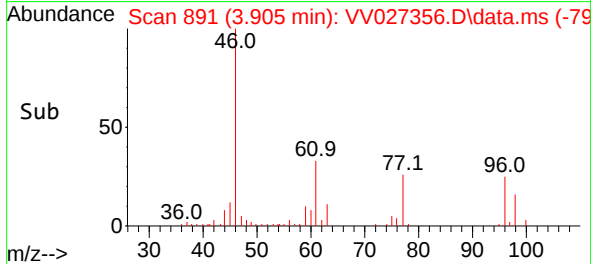
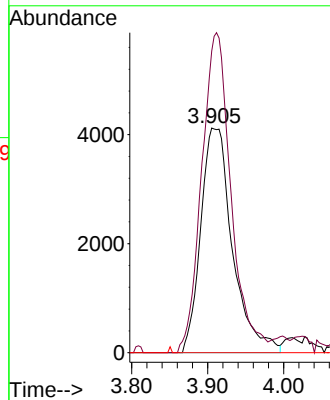
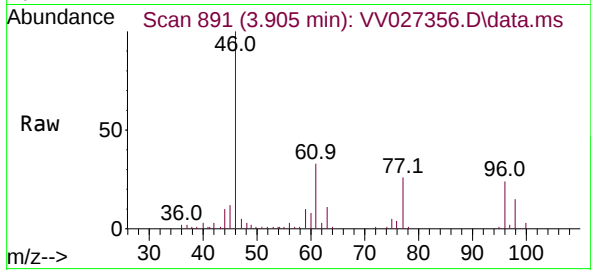
Tgt Ion: 96 Resp: 11947

Ion Ratio Lower Upper

96 100

61 134.3 91.3 169.5

68 0.0 0.0 0.0



#33

Benzene

Concen: 0.159 ug/L

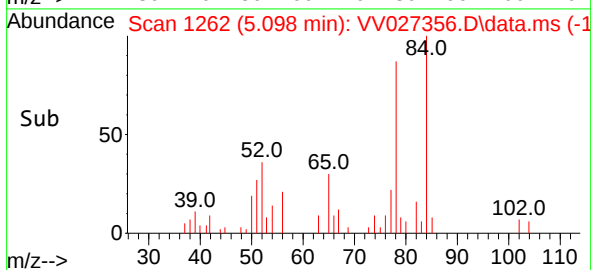
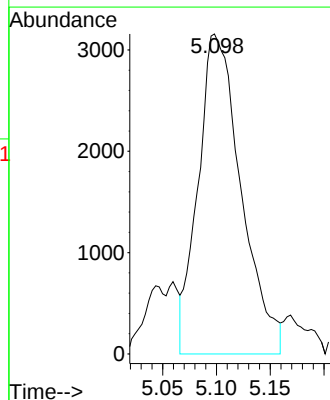
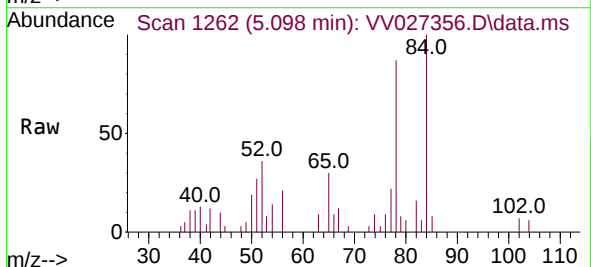
RT: 5.098 min Scan# 1262

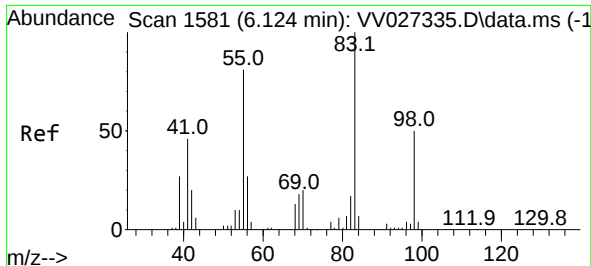
Delta R.T. 0.010 min

Lab File: VV027356.D

Acq: 13 Aug 2022 03:28

Tgt Ion: 78 Resp: 8763

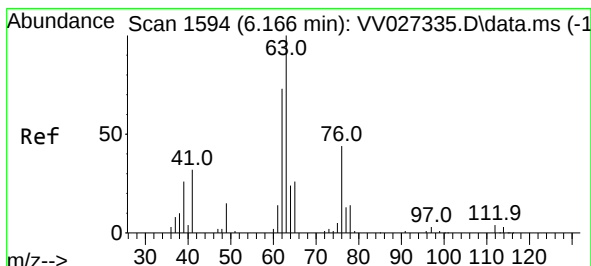
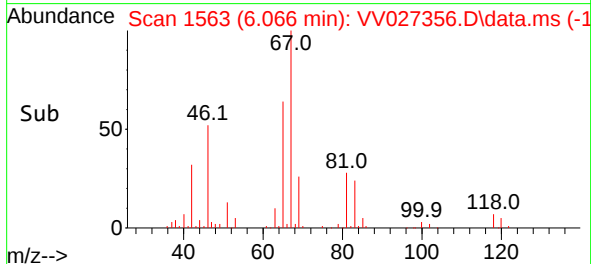
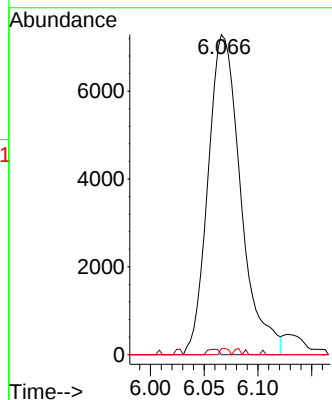
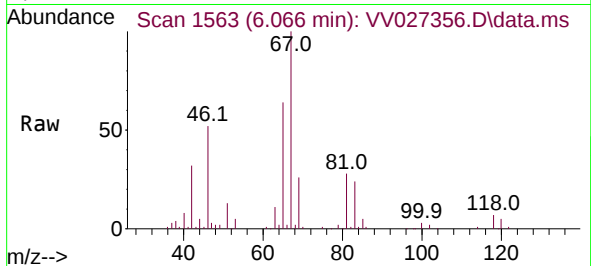




#35
Methylcyclohexane
Concen: 0.818 ug/L
RT: 6.066 min Scan# 1581
Delta R.T. -0.058 min
Lab File: VV027356.D
Acq: 13 Aug 2022 03:28

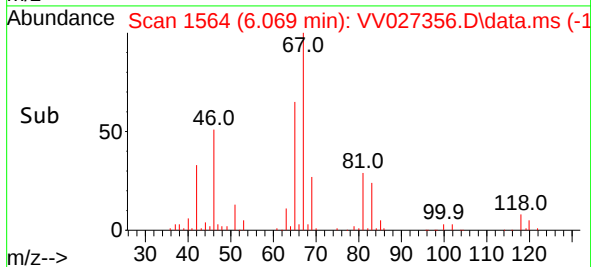
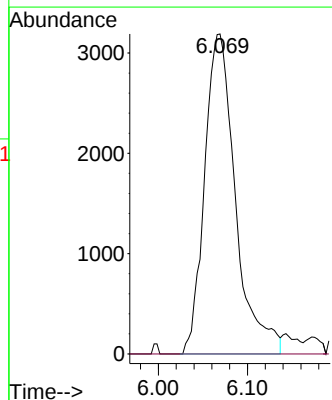
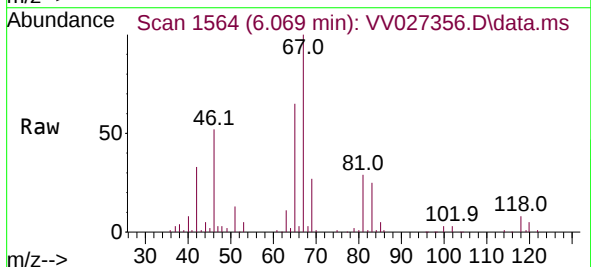
Instrument :
MSVOA_V
ClientSampleId :

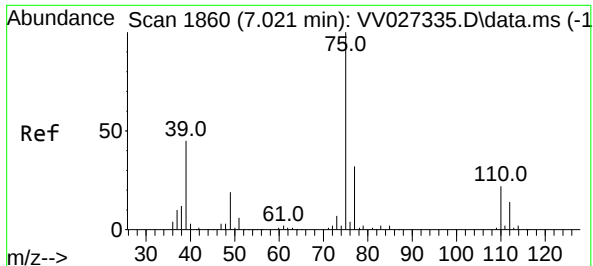
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.6	67.0	100.6#
98	0.5	38.7	58.1#



#37
1,2-Dichloropropane
Concen: 0.566 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.096 min
Lab File: VV027356.D
Acq: 13 Aug 2022 03:28

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.0	6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.029 min

Lab File: VV027356.D

Acq: 13 Aug 2022 03:28

Instrument :

MSVOA_V

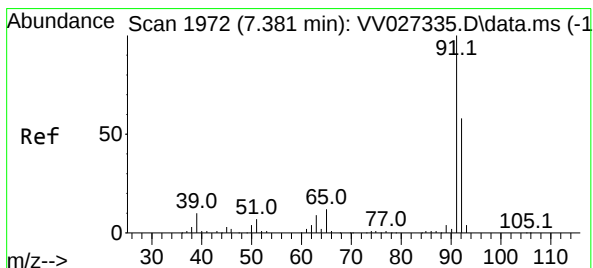
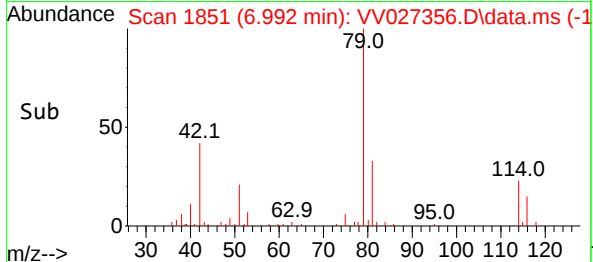
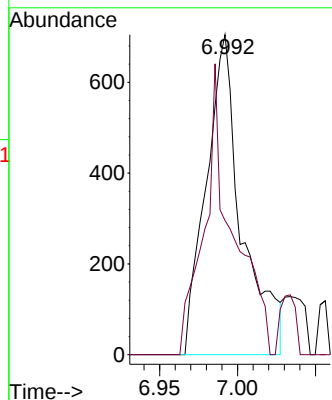
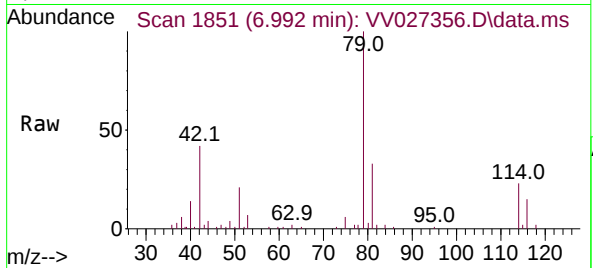
ClientSampleId :

Tgt Ion: 75 Resp: 1120

Ion Ratio Lower Upper

75 100

77 42.0 23.2 43.0



#42

Toluene

Concen: 3.254 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV027356.D

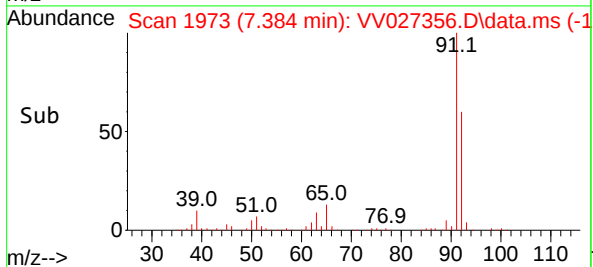
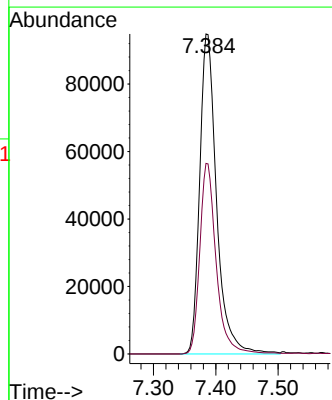
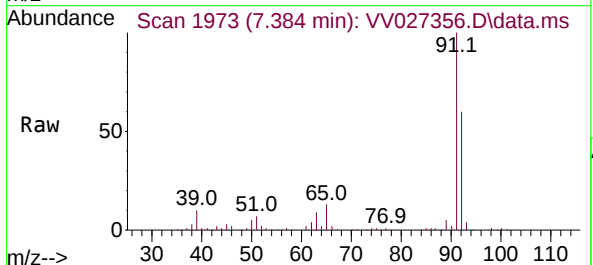
Acq: 13 Aug 2022 03:28

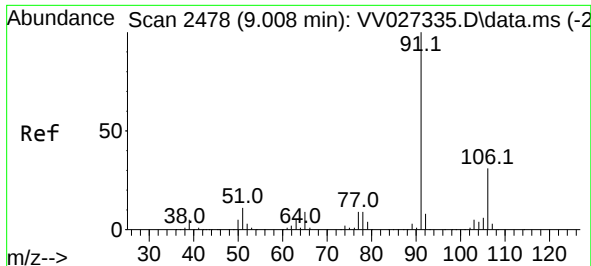
Tgt Ion: 91 Resp: 178571

Ion Ratio Lower Upper

91 100

92 59.6 39.9 74.1





#52

Ethylbenzene

Concen: 0.081 ug/L

RT: 9.018 min Scan# 24

Delta R.T. 0.010 min

Lab File: VV027356.D

Acq: 13 Aug 2022 03:28

Instrument :

MSVOA_V

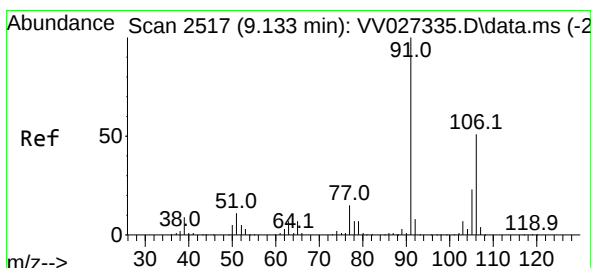
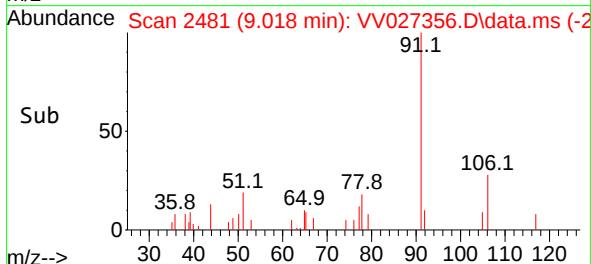
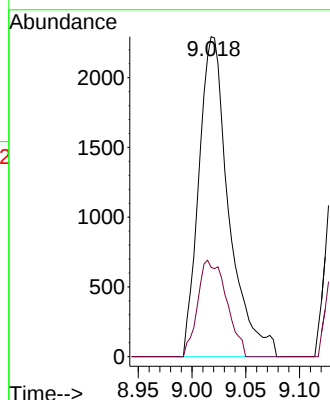
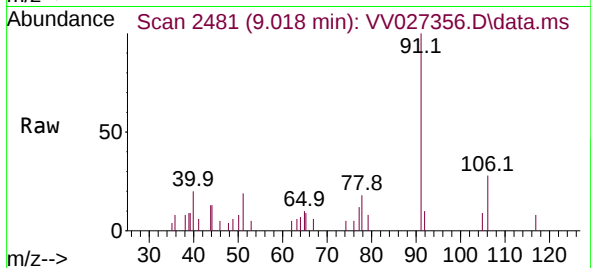
ClientSampleId :

Tgt Ion: 91 Resp: 4445

Ion Ratio Lower Upper

91 100

106 27.9 21.5 39.9



#53

m,p-Xylene

Concen: 0.129 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.010 min

Lab File: VV027356.D

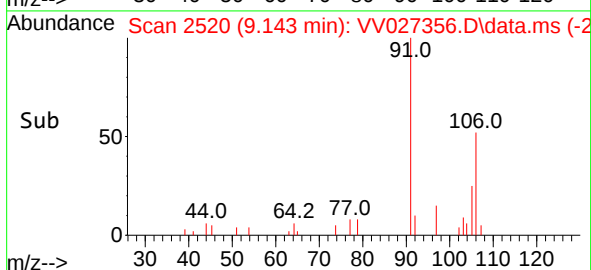
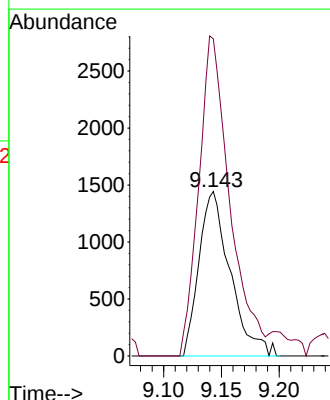
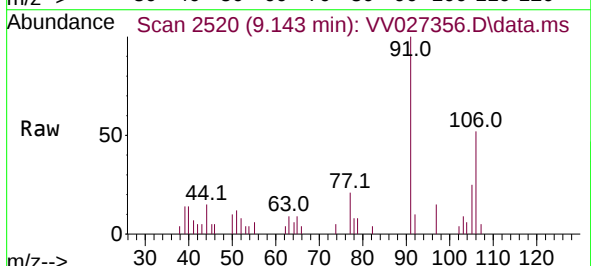
Acq: 13 Aug 2022 03:28

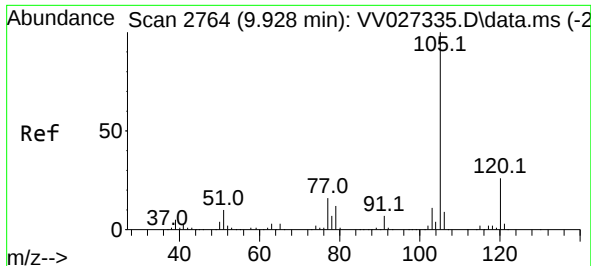
Tgt Ion: 106 Resp: 2715

Ion Ratio Lower Upper

106 100

91 192.9 141.5 262.9

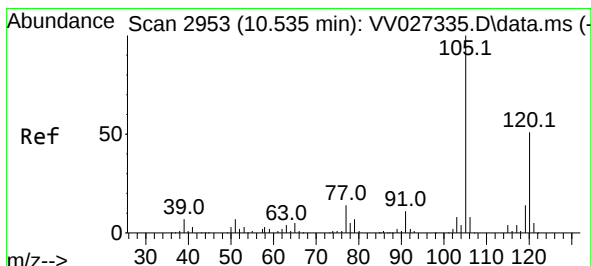
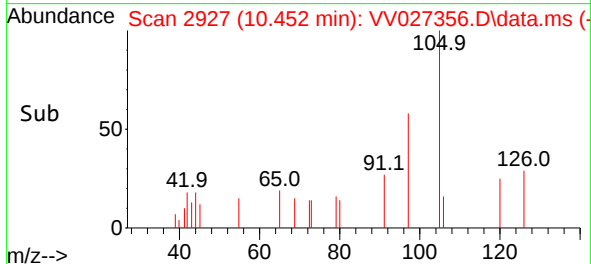
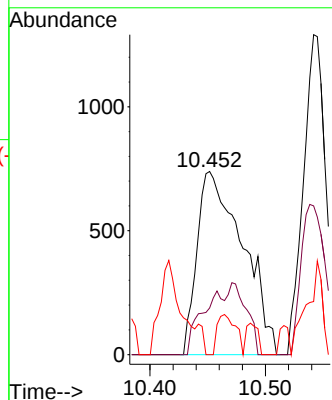
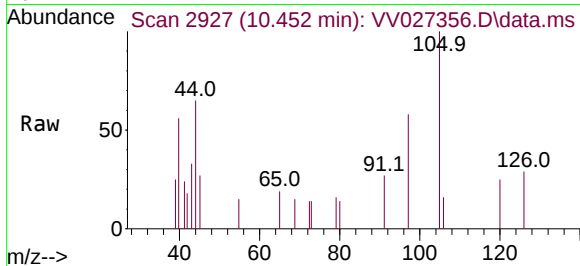




#60
Isopropylbenzene
Concen: 0.046 ug/L
RT: 10.452 min Scan# 2927
Delta R.T. 0.524 min
Lab File: VV027356.D
Acq: 13 Aug 2022 03:28

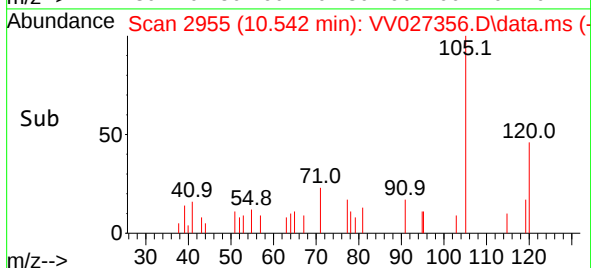
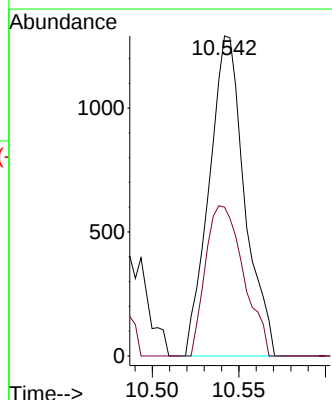
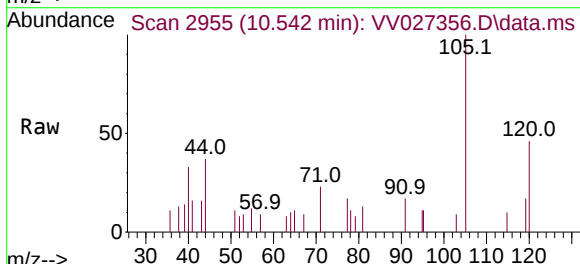
Instrument :
MSVOA_V
ClientSampleId :

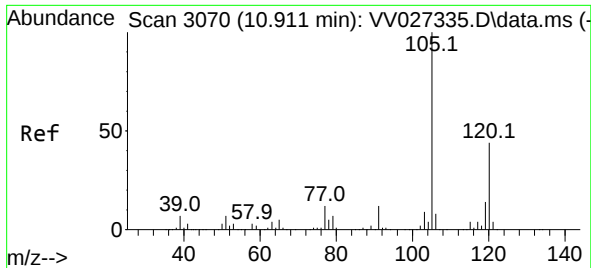
Tgt Ion:105 Resp: 2032
Ion Ratio Lower Upper
105 100
120 17.8 21.0 31.4#
77 8.7 13.2 19.8#



#62
1,3,5-Trimethylbenzene
Concen: 0.151 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.006 min
Lab File: VV027356.D
Acq: 13 Aug 2022 03:28

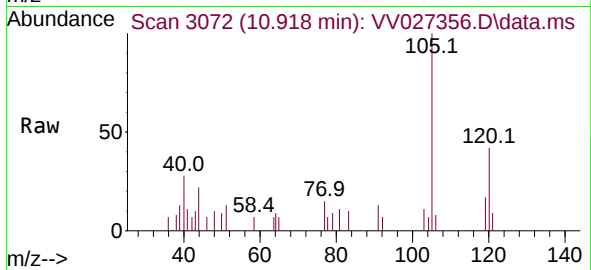
Tgt Ion:105 Resp: 1838
Ion Ratio Lower Upper
105 100
120 50.3 38.2 57.4





#63
 1,2,4-Trimethylbenzene
 Concen: 0.072 ug/L
 RT: 10.918 min Scan# 3072
 Delta R.T. 0.006 min
 Lab File: VV027356.D
 Acq: 13 Aug 2022 03:28

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:105 Resp: 2525
 Ion Ratio Lower Upper
 105 100
 120 43.7 36.2 54.2

