

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072622\
 Data File : VW026988.D
 Acq On : 27 Jul 2022 06:36
 Operator : SY/MD
 Sample : N3880-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUG6

Quant Time: Jul 27 07:04:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 27 02:43:35 2022
 Response via : Initial Calibration

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

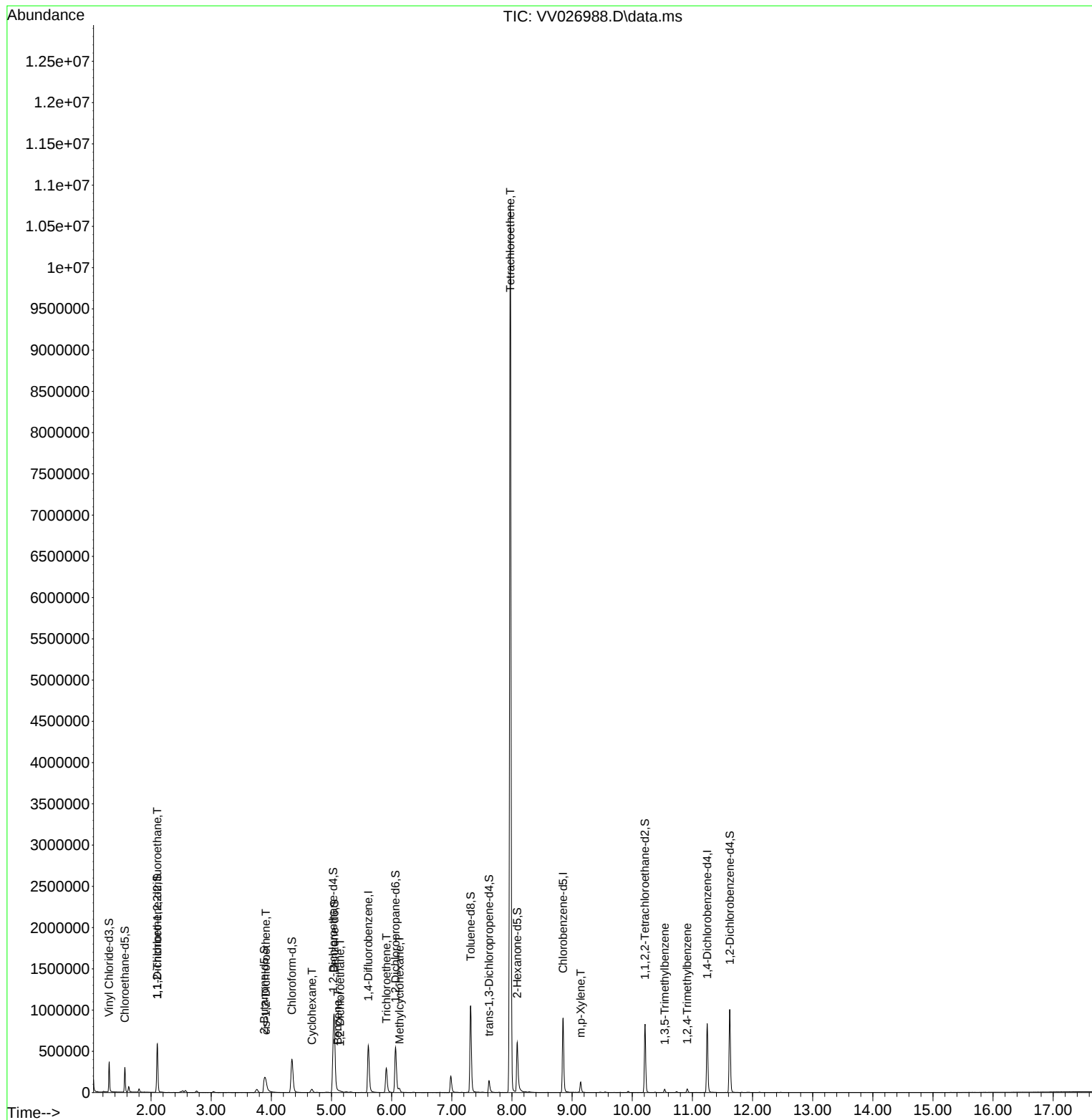
Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	519743	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	519761	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	224337	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	226306	51.915	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 103.840%		
7) Chloroethane-d5	1.565	69	194953	55.282	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 110.560%		
11) 1,1-Dichloroethene-d2	2.105	63	302692	38.597	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 77.200%		
21) 2-Butanone-d5	3.883	46	305049	103.820	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 103.820%		
24) Chloroform-d	4.343	84	438324	51.092	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 102.180%		
26) 1,2-Dichloroethane-d4	5.027	65	262341	53.459	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 106.920%		
32) Benzene-d6	5.047	84	886746	56.440	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 112.880%		
36) 1,2-Dichloropropane-d6	6.066	67	283482	55.989	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 111.980%		
41) Toluene-d8	7.314	98	723725	52.647	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 105.300%		
43) trans-1,3-Dichloroprop...	7.619	79	91052	42.918	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 85.840%		
47) 2-Hexanone-d5	8.088	63	216931	98.400	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 98.400%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	402232	52.295	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 104.580%		
66) 1,2-Dichlorobenzene-d4	11.622	152	268981	63.911	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 127.820%#		
Target Compounds						
						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	3010	0.700	ug/L	# 22
20) cis-1,2-Dichloroethene	3.909	96	39997	8.938	ug/L	95
27) 1,2-Dichloroethane	5.143	62	13245	2.250	ug/L	96
29) Cyclohexane	4.674	56	18171	3.343	ug/L	99
33) Benzene	5.105	78	20309	1.215	ug/L	100
34) Trichloroethene	5.912	95	109822	25.568	ug/L	98
35) Methylcyclohexane	6.130	83	18171	2.857	ug/L	95
46) Tetrachloroethene	7.973	164	2385928	712.082	ug/L	97
53) m,p-Xylene	9.143	106	34446	4.968	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	20936	1.943	ug/L	96
63) 1,2,4-Trimethylbenzene	10.915	105	24083	2.228	ug/L	96

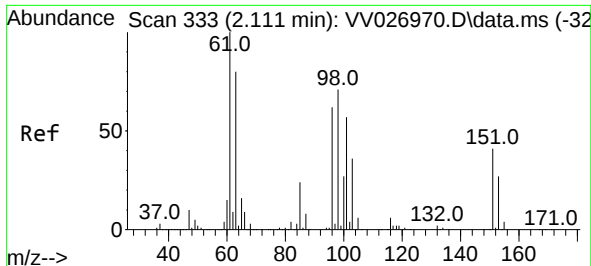
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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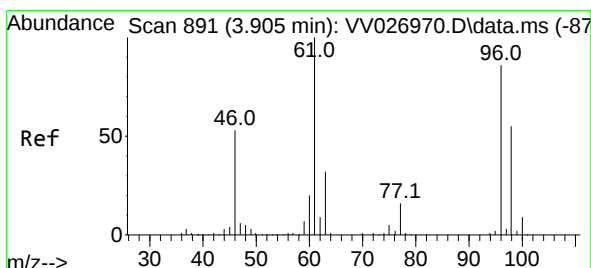
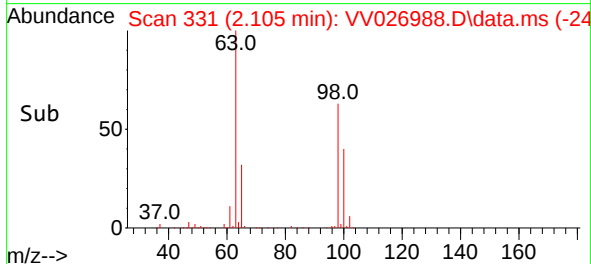
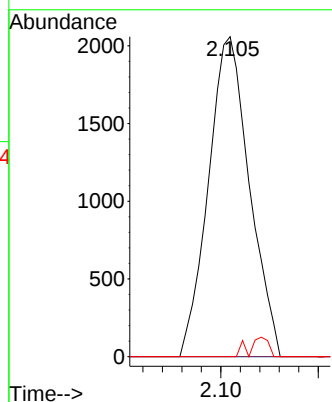
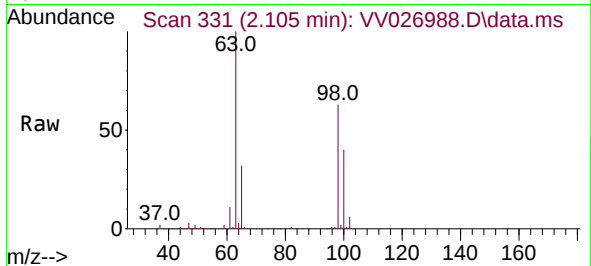




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.700 ug/L
 RT: 2.105 min Scan# 311
 Delta R.T. -0.006 min
 Lab File: VV026988.D
 Acq: 27 Jul 2022 06:36

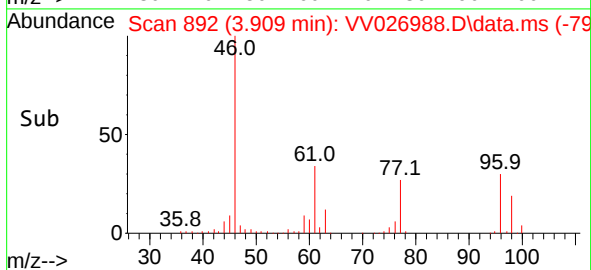
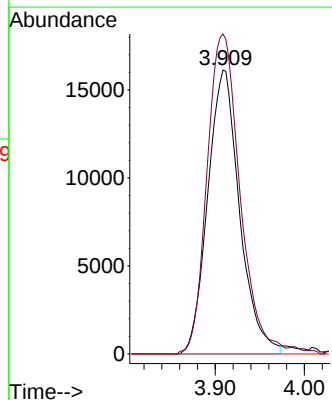
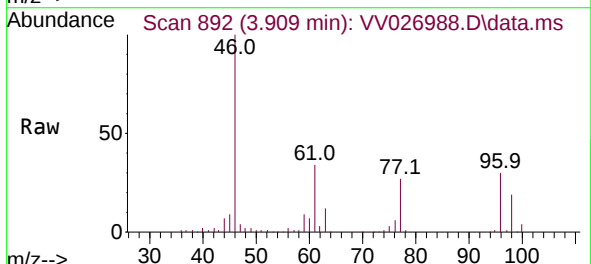
Instrument :
 MSVOA_V
 ClientSampleId :
 DBUG6

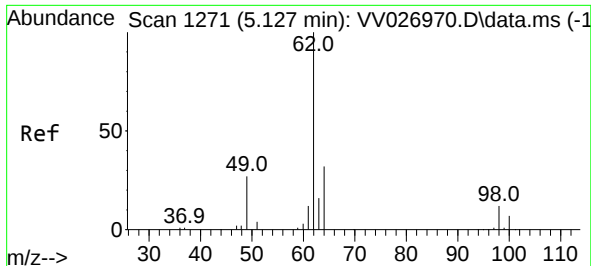
Tgt Ion:101 Resp: 3010
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.1 49.7#
 151 0.7 57.1 85.7#



#20
 cis-1,2-Dichloroethene
 Concen: 8.938 ug/L
 RT: 3.909 min Scan# 892
 Delta R.T. 0.003 min
 Lab File: VV026988.D
 Acq: 27 Jul 2022 06:36

Tgt Ion: 96 Resp: 39997
 Ion Ratio Lower Upper
 96 100
 61 112.7 83.0 154.1
 68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 2.250 ug/L

RT: 5.143 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV026988.D

Acq: 27 Jul 2022 06:36

Instrument :

MSVOA_V

ClientSampleId :

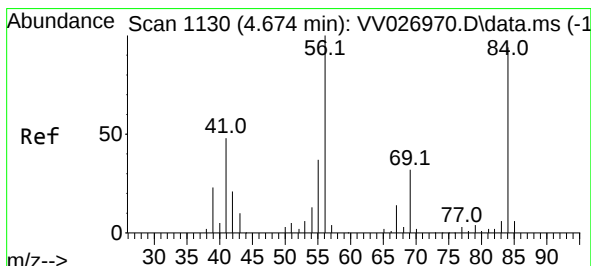
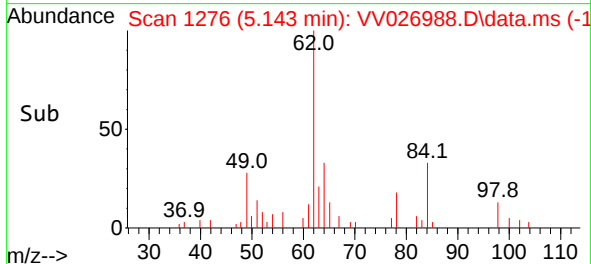
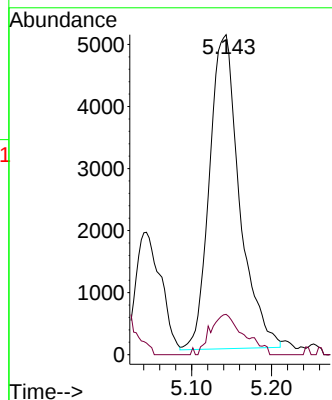
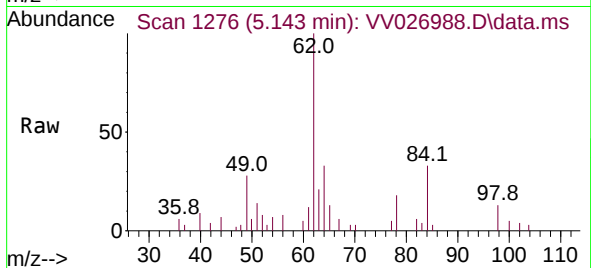
DBUG6

Tgt Ion: 62 Resp: 13245

Ion Ratio Lower Upper

62 100

98 12.6 8.9 13.3



#29

Cyclohexane

Concen: 3.343 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VV026988.D

Acq: 27 Jul 2022 06:36

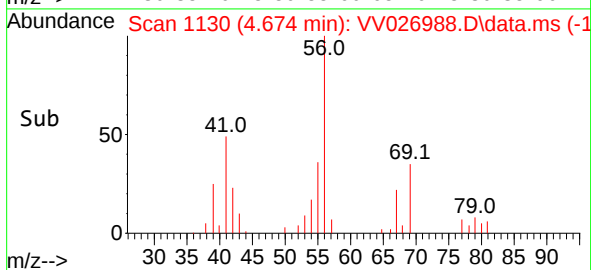
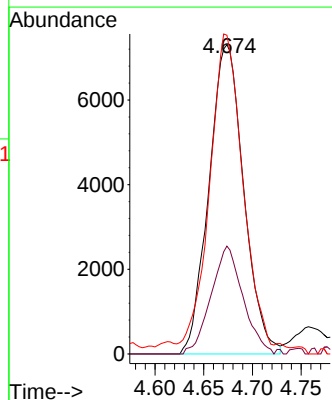
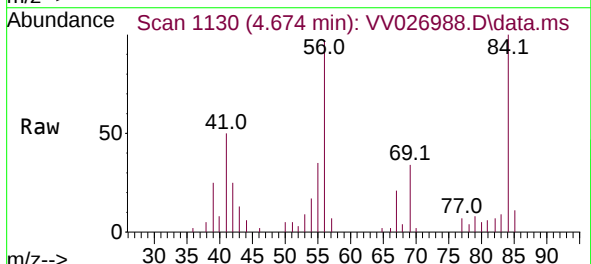
Tgt Ion: 56 Resp: 18171

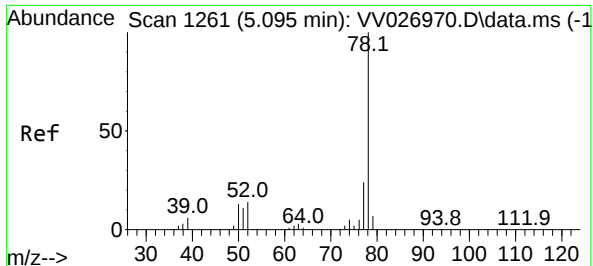
Ion Ratio Lower Upper

56 100

69 31.9 25.7 38.5

84 95.1 77.0 115.6

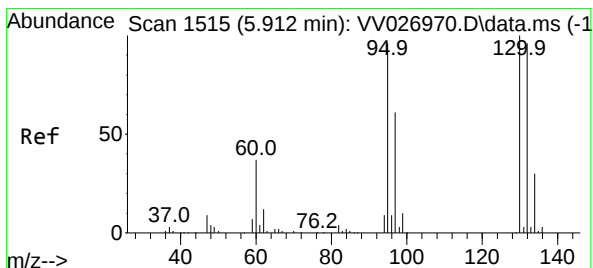
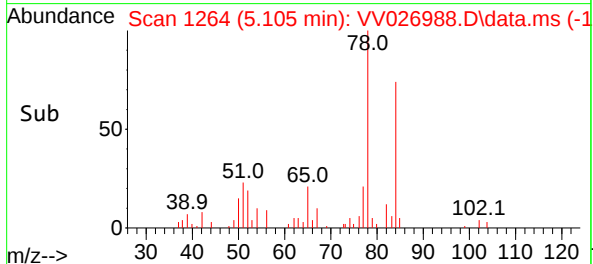
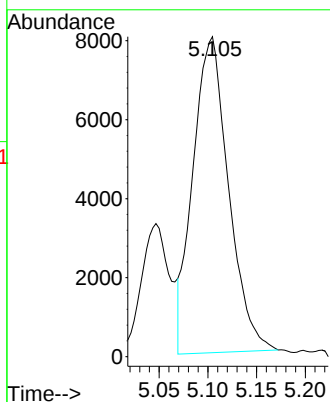
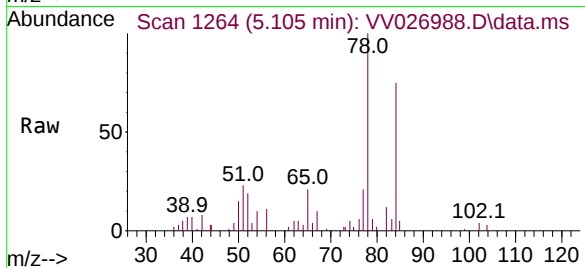




#33
Benzene
Concen: 1.215 ug/L
RT: 5.105 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV026988.D
Acq: 27 Jul 2022 06:36

Instrument :
MSVOA_V
ClientSampleId :
DBUG6

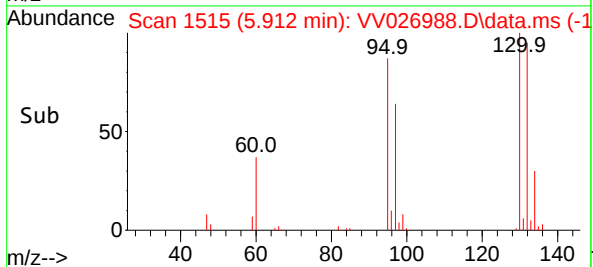
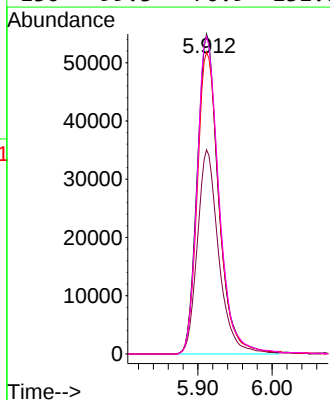
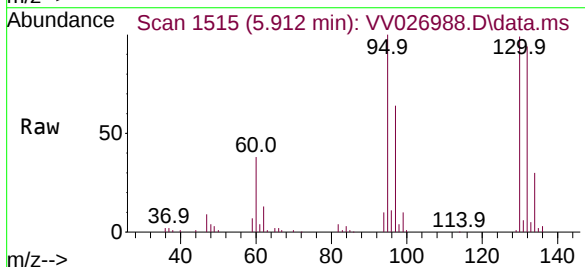
Tgt Ion: 78 Resp: 20309

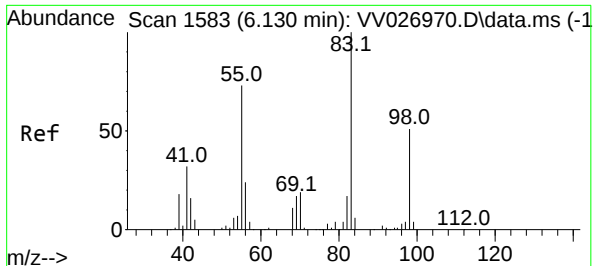


#34
Trichloroethene
Concen: 25.568 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VV026988.D
Acq: 27 Jul 2022 06:36

Tgt Ion: 95 Resp: 109822

Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.9	85.3
132	94.4	68.1	126.5
130	99.3	70.9	131.7





#35

Methylcyclohexane

Concen: 2.857 ug/L

RT: 6.130 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV026988.D

Acq: 27 Jul 2022 06:36

Instrument :

MSVOA_V

ClientSampleId :

DBUG6

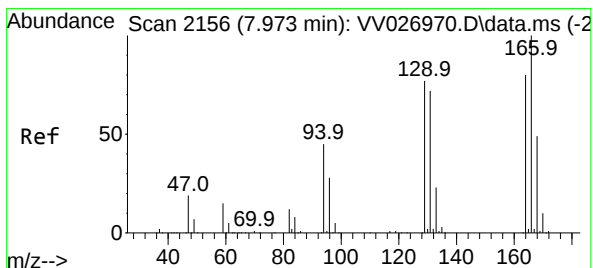
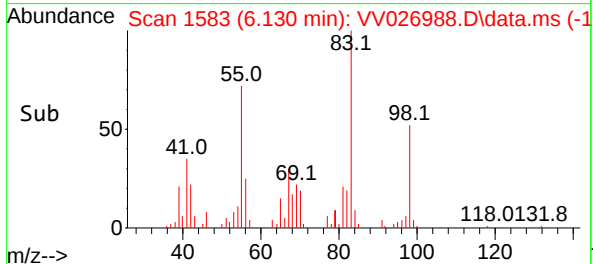
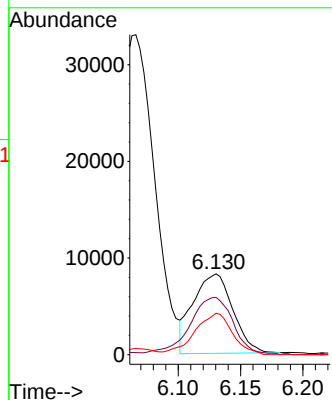
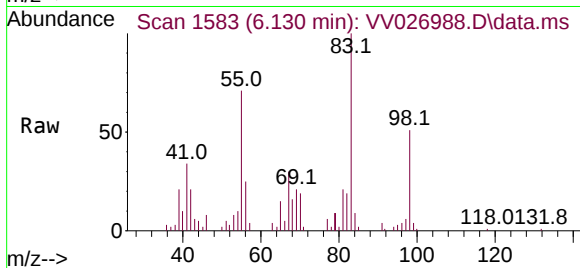
Tgt Ion: 83 Resp: 18171

Ion Ratio Lower Upper

83 100

55 79.1 57.4 86.2

98 49.5 39.4 59.0



#46

Tetrachloroethene

Concen: 712.082 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV026988.D

Acq: 27 Jul 2022 06:36

Tgt Ion: 164 Resp: 2385928

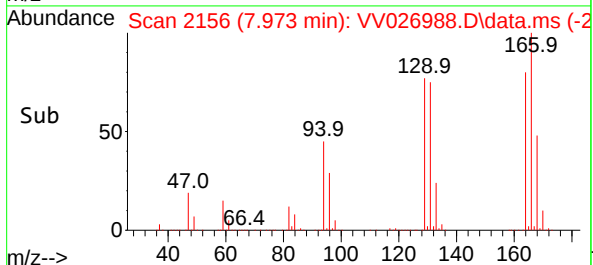
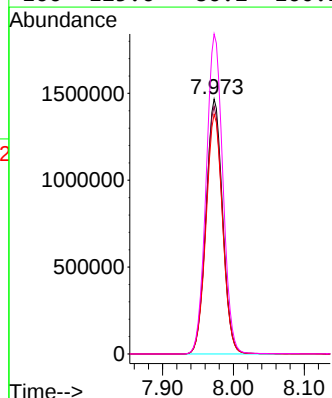
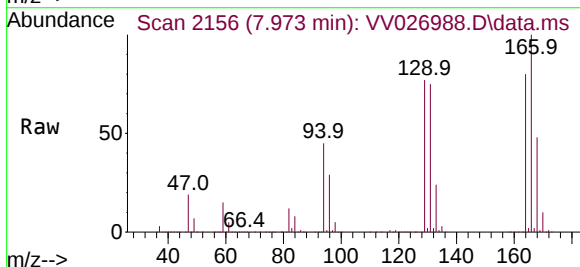
Ion Ratio Lower Upper

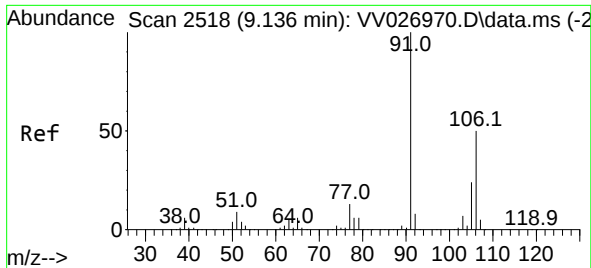
164 100

129 97.2 66.3 123.1

131 94.1 63.1 117.3

166 125.6 86.2 160.2

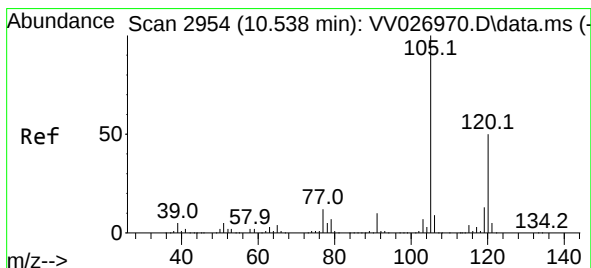
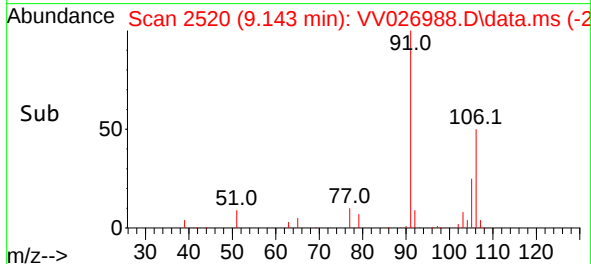
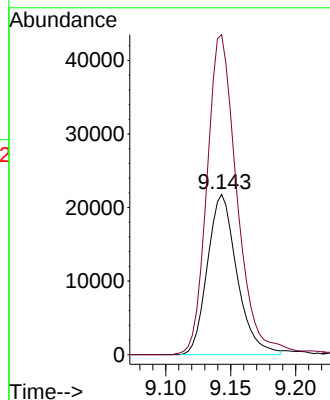
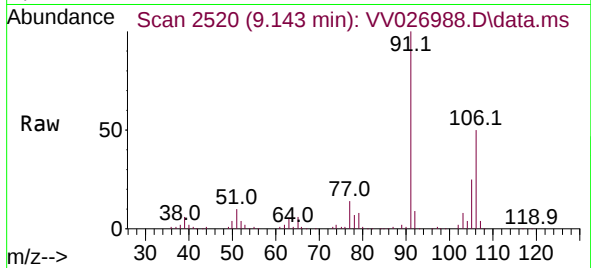




#53
 m,p-Xylene
 Concen: 4.968 ug/L
 RT: 9.143 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: VV026988.D
 Acq: 27 Jul 2022 06:36

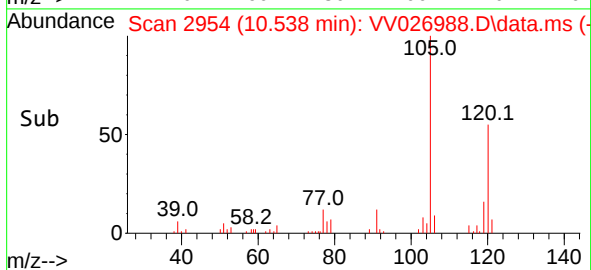
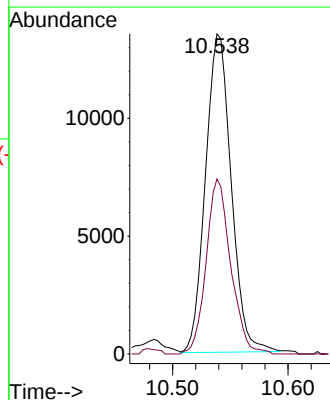
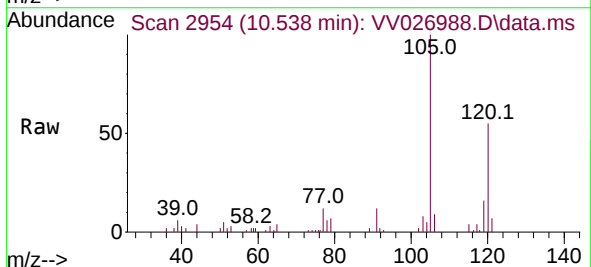
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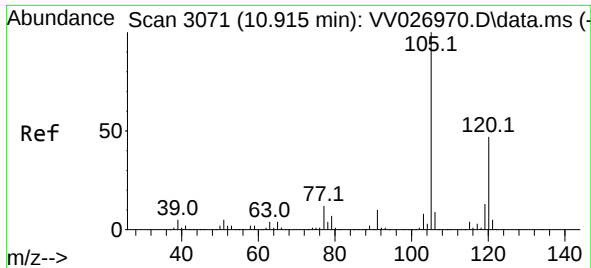
Tgt Ion:106 Resp: 34446
 Ion Ratio Lower Upper
 106 100
 91 199.5 140.0 260.0



#62
 1,3,5-Trimethylbenzene
 Concen: 1.943 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV026988.D
 Acq: 27 Jul 2022 06:36

Tgt Ion:105 Resp: 20936
 Ion Ratio Lower Upper
 105 100
 120 52.5 39.8 59.6





#63
 1,2,4-Trimethylbenzene
 Concen: 2.228 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.000 min
 Lab File: VV026988.D
 Acq: 27 Jul 2022 06:36

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUG6

Tgt Ion:105 Resp: 24083
 Ion Ratio Lower Upper
 105 100
 120 49.0 37.1 55.7

