

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082622\
 Data File : VW024379.D
 Acq On : 27 Aug 2022 04:56
 Operator : SY/VA
 Sample : N4345-03
 Misc : 6.42g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 27 05:43:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082622SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 27 02:57:08 2022
 Response via : Initial Calibration

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

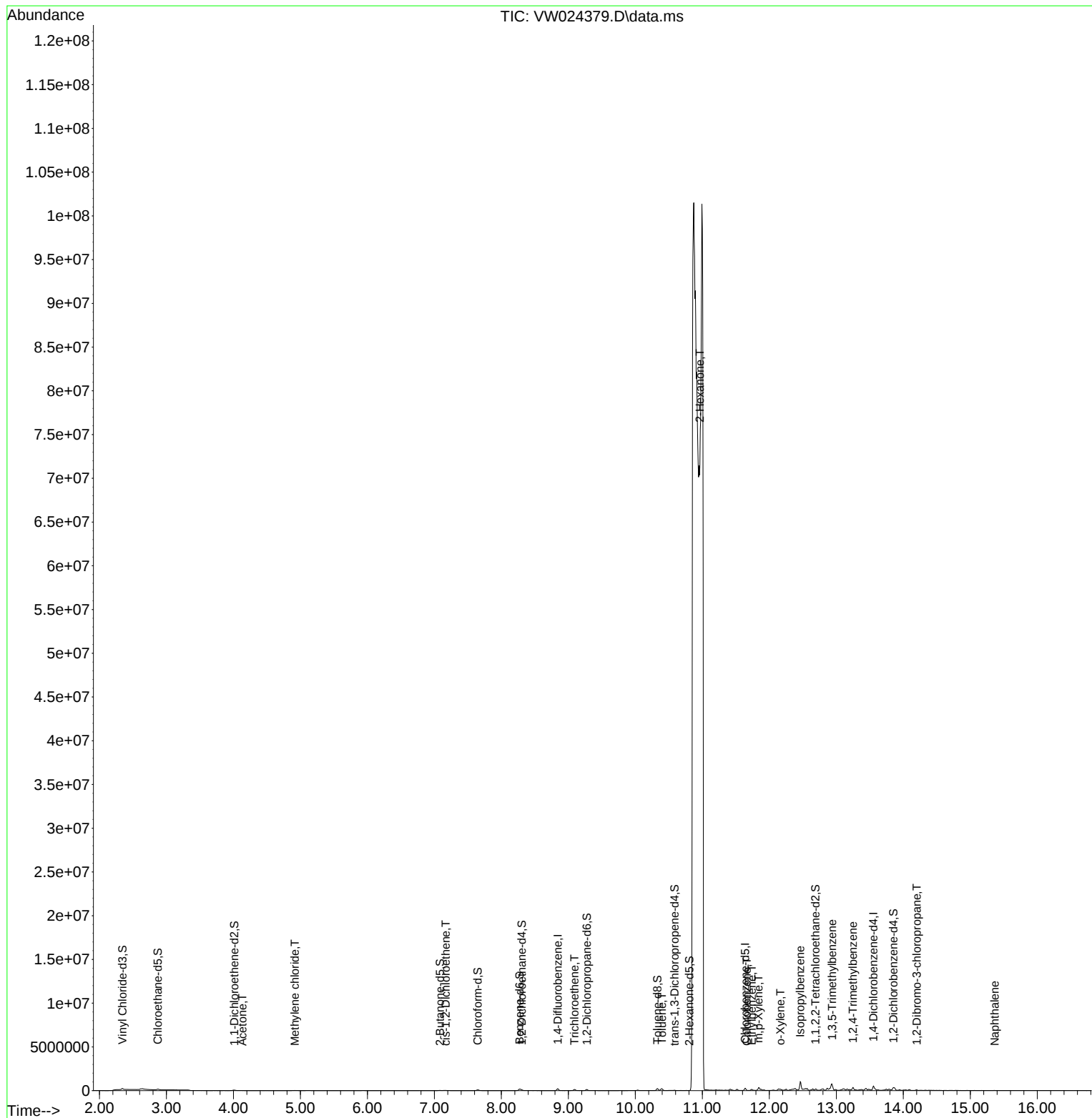
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	167652	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.640	117	125634	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	103980	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	124122	26.858	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.440%
7) Chloroethane-d5	2.873	69	82525	23.833	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.320%
11) 1,1-Dichloroethene-d2	4.013	63	64086	15.989	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.960%
21) 2-Butanone-d5	7.086	46	31215	36.671	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.340%
24) Chloroform-d	7.647	84	82934	15.387	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	61.560%
26) 1,2-Dichloroethane-d4	8.305	65	54178	16.575	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	66.320%#
32) Benzene-d6	8.275	84	176454	24.513	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.040%
36) 1,2-Dichloropropane-d6	9.274	67	54012	24.127	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.520%
41) Toluene-d8	10.329	98	156413	22.854	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.400%
43) trans-1,3-Dichloroprop...	10.585	79	19764	18.866	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.480%
47) 2-Hexanone-d5	10.805	63	97	0.194	ug/L	-0.12
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.380%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	52907	20.874	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.480%
66) 1,2-Dichlorobenzene-d4	13.853	152	70908	18.109	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	72.440%#
Target Compounds						Qvalue
13) Acetone	4.135	43	1739	3.423	ug/L	89
16) Methylene chloride	4.915	84	11246	4.000	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	6800	2.609	ug/L	96
34) Trichloroethene	9.091	95	44336	21.506	ug/L	96
42) Toluene	10.396	91	182730	21.168	ug/L	96
48) 2-Hexanone	10.963	43	17498	16.527	ug/L #	41
51) Chlorobenzene	11.664	112	5558	0.959	ug/L #	77
52) Ethylbenzene	11.737	91	31104	3.259	ug/L	92
53) m,p-Xylene	11.841	106	17906	4.777	ug/L	92
54) o-Xylene	12.164	106	20141	5.748	ug/L	96
60) Isopropylbenzene	12.463	105	578556	41.893	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	113446	10.187	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	157625	14.573	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.200	75	1167	1.975	ug/L #	7
71) Naphthalene	15.365	128	8838	1.215	ug/L	97

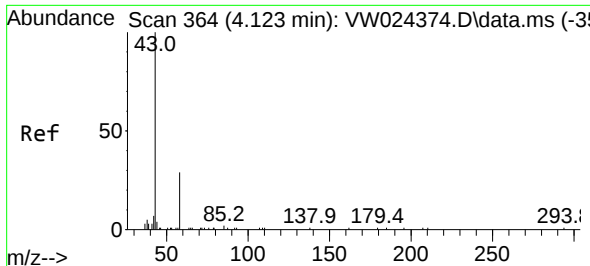
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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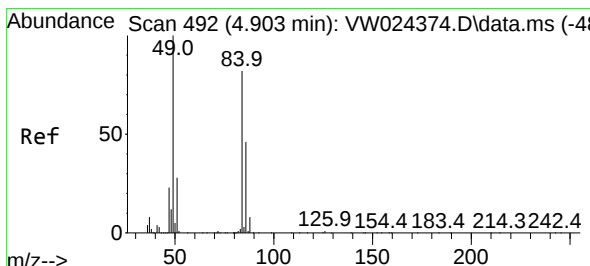
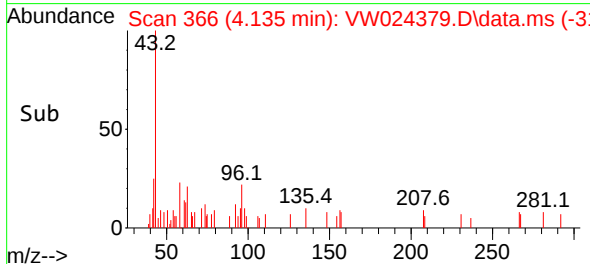
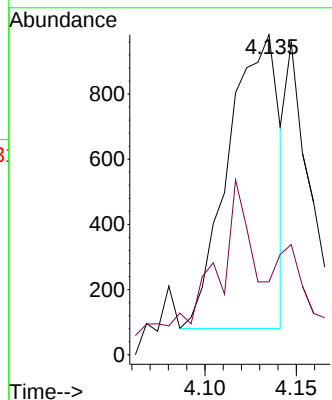
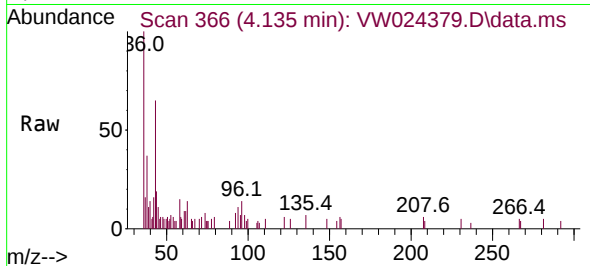




#13
Acetone
Concen: 3.423 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.012 min
Lab File: VW024379.D
Acq: 27 Aug 2022 04:56

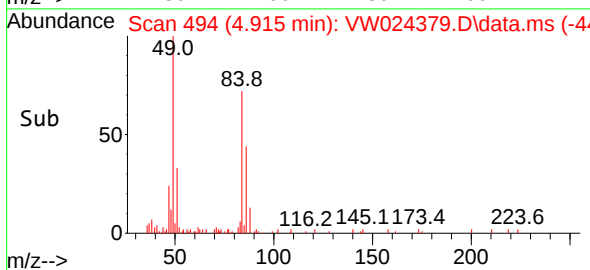
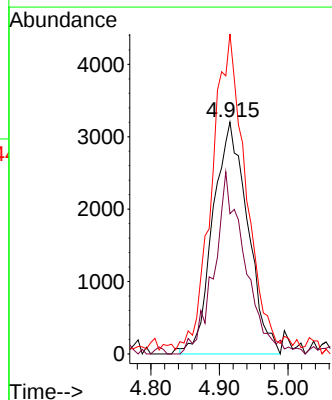
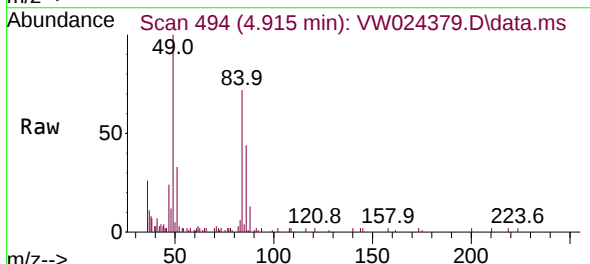
Instrument :
MSVOA_W
ClientSampleId :

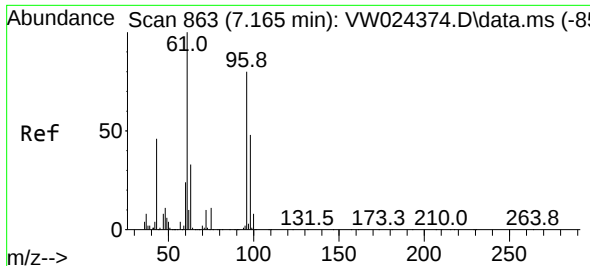
Tgt Ion: 43 Resp: 1739
Ion Ratio Lower Upper
43 100
58 23.1 0.0 58.4



#16
Methylene chloride
Concen: 4.000 ug/L
RT: 4.915 min Scan# 494
Delta R.T. 0.012 min
Lab File: VW024379.D
Acq: 27 Aug 2022 04:56

Tgt Ion: 84 Resp: 11246
Ion Ratio Lower Upper
84 100
86 60.5 47.7 88.7
49 138.0 96.6 179.4

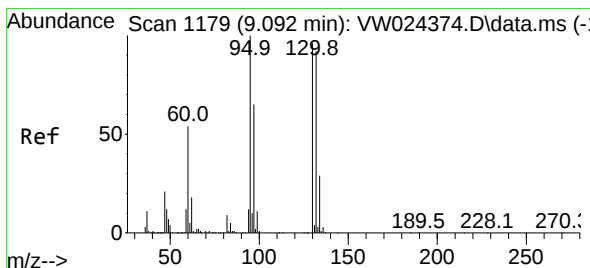
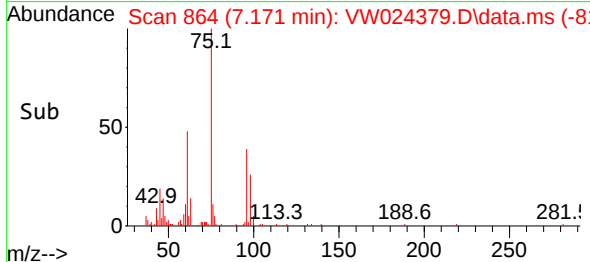
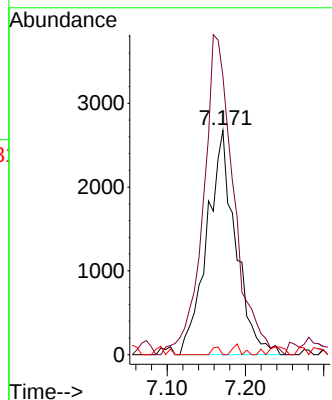
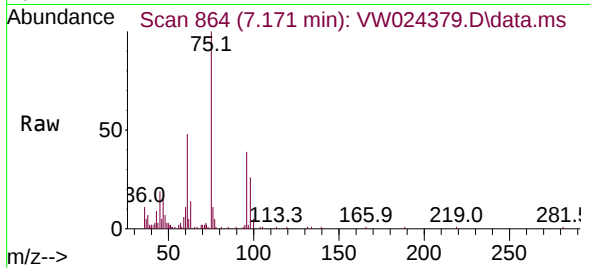




#20
 cis-1,2-Dichloroethene
 Concen: 2.609 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. 0.006 min
 Lab File: VW024379.D
 Acq: 27 Aug 2022 04:56

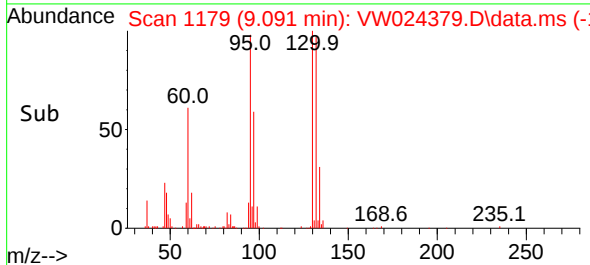
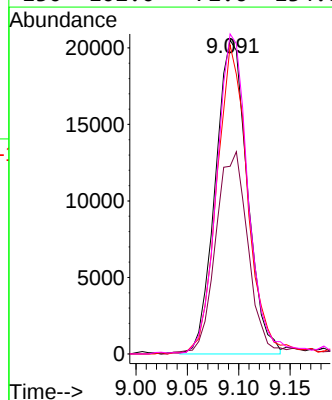
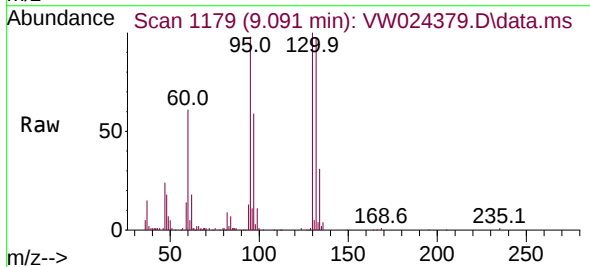
Instrument :
 MSVOA_W
 ClientSampleId :

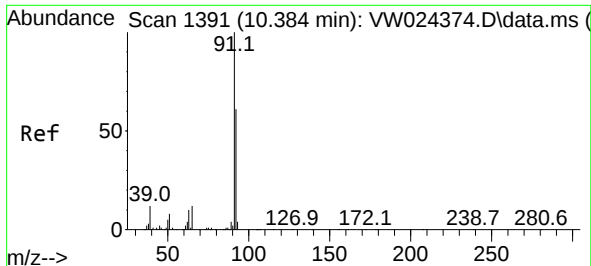
Tgt Ion: 96 Resp: 6800
 Ion Ratio Lower Upper
 96 100
 61 124.2 90.2 167.6
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 21.506 ug/L
 RT: 9.091 min Scan# 1179
 Delta R.T. -0.000 min
 Lab File: VW024379.D
 Acq: 27 Aug 2022 04:56

Tgt Ion: 95 Resp: 44336
 Ion Ratio Lower Upper
 95 100
 97 59.8 48.4 89.8
 132 98.4 68.6 127.4
 130 102.0 72.6 134.8

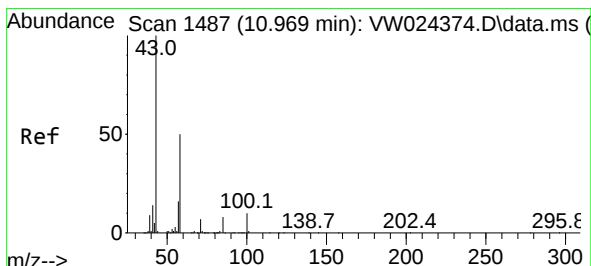
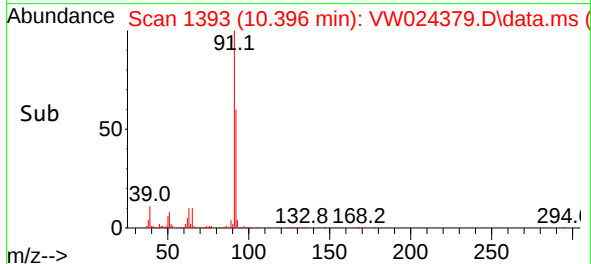
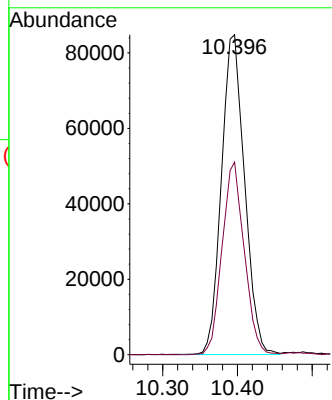
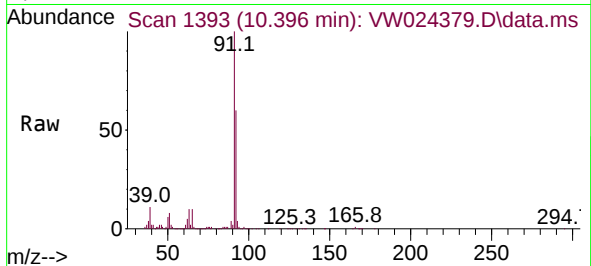




#42
Toluene
Concen: 21.168 ug/L
RT: 10.396 min Scan# 11
Delta R.T. 0.012 min
Lab File: VW024379.D
Acq: 27 Aug 2022 04:56

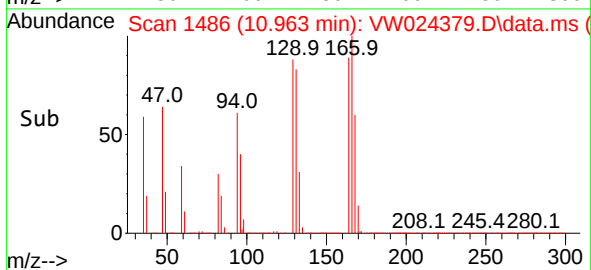
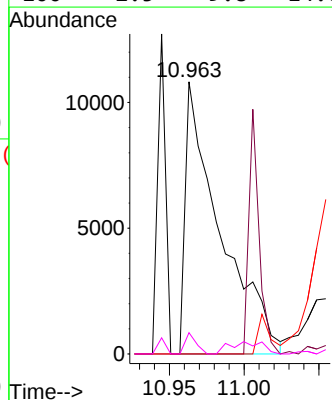
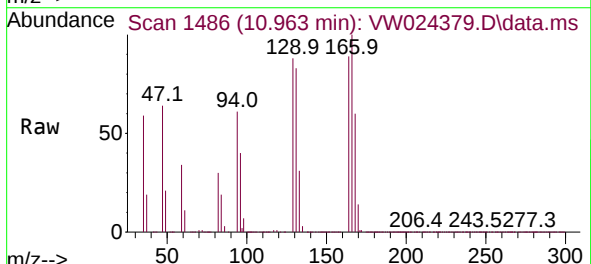
Instrument :
MSVOA_W
ClientSampleId :

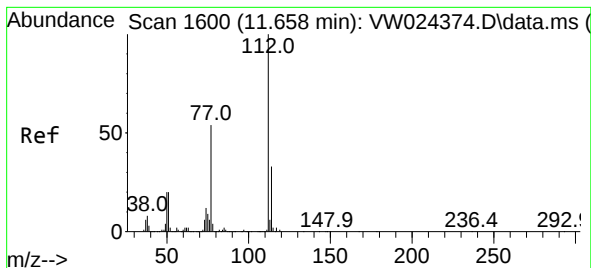
Tgt Ion: 91 Resp: 182730
Ion Ratio Lower Upper
91 100
92 60.2 40.0 74.4



#48
2-Hexanone
Concen: 16.527 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VW024379.D
Acq: 27 Aug 2022 04:56

Tgt Ion: 43 Resp: 17498
Ion Ratio Lower Upper
43 100
58 0.0 40.6 61.0#
57 0.0 14.2 21.2#
100 2.5 9.8 14.6#





#51

Chlorobenzene

Concen: 0.959 ug/L

RT: 11.664 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW024379.D

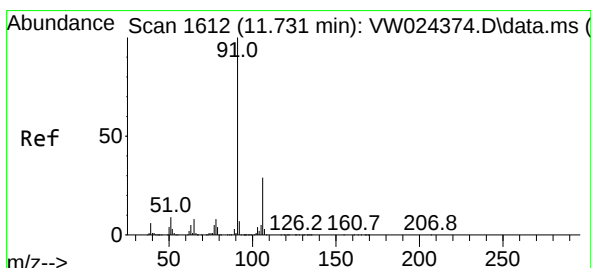
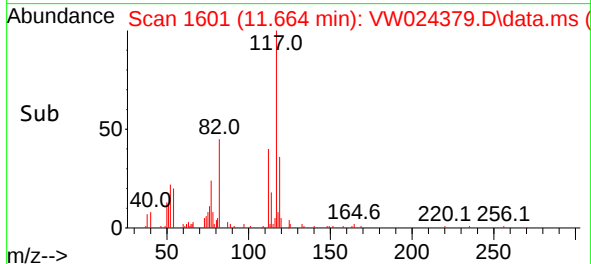
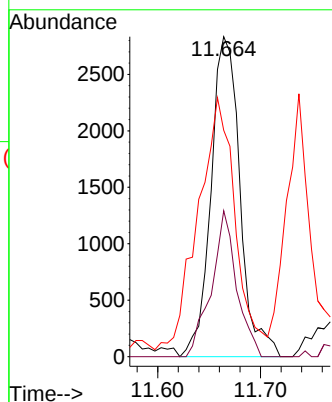
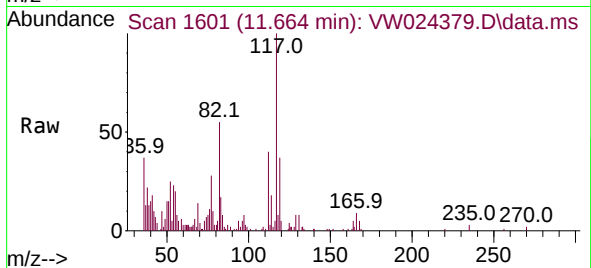
Acq: 27 Aug 2022 04:56

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	112	Resp:	5558
Ion	Ratio	Lower	Upper
112	100		
114	45.6	22.3	41.3#
77	70.7	44.1	66.1#



#52

Ethylbenzene

Concen: 3.259 ug/L

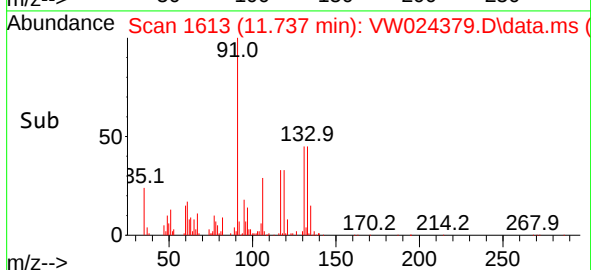
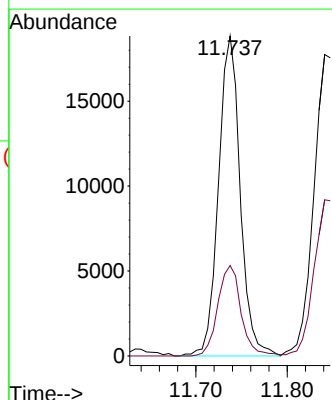
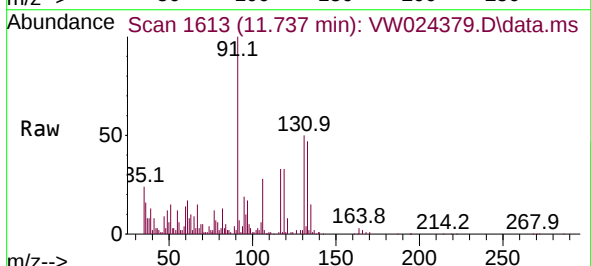
RT: 11.737 min Scan# 1613

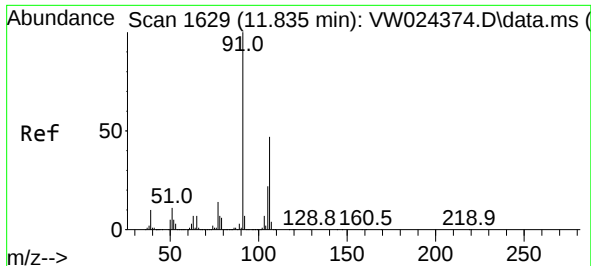
Delta R.T. 0.006 min

Lab File: VW024379.D

Acq: 27 Aug 2022 04:56

Tgt Ion:	91	Resp:	31104
Ion	Ratio	Lower	Upper
91	100		
106	28.2	22.7	42.3

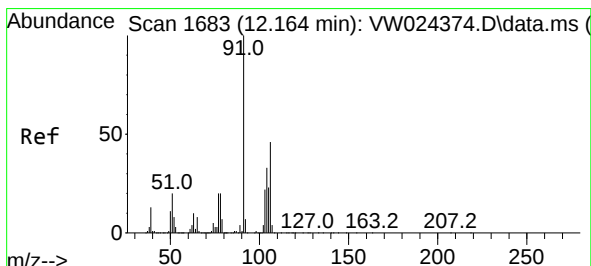
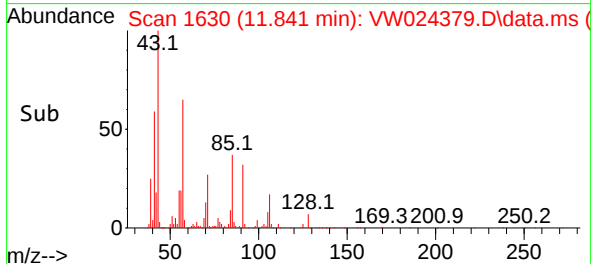
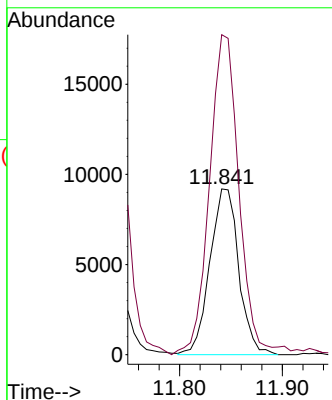
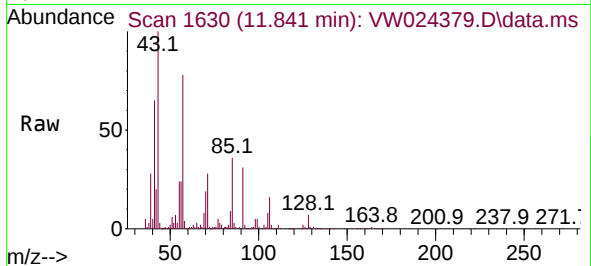




#53
m,p-Xylene
Concen: 4.777 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW024379.D
Acq: 27 Aug 2022 04:56

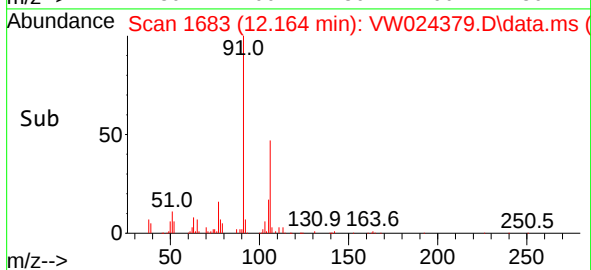
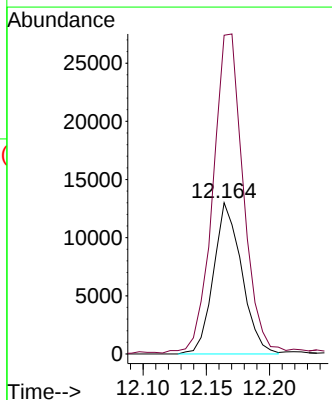
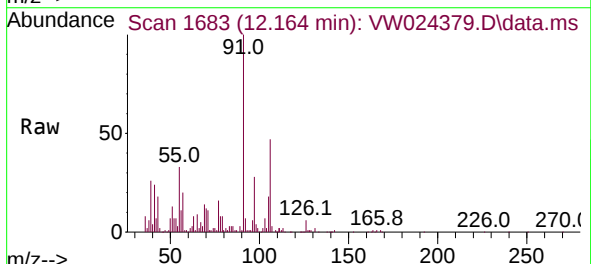
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MSVOA_W
ClientSampleId :

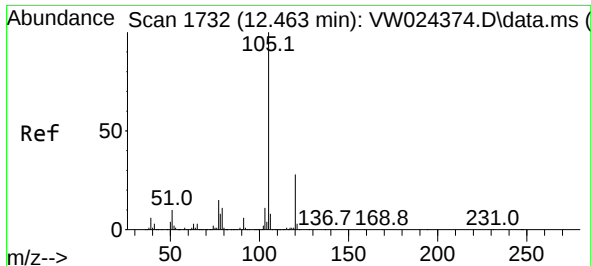
Tgt Ion:106 Resp: 17906
Ion Ratio Lower Upper
106 100
91 193.1 144.3 267.9



#54
o-Xylene
Concen: 5.748 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW024379.D
Acq: 27 Aug 2022 04:56

Tgt Ion:106 Resp: 20141
Ion Ratio Lower Upper
106 100
91 210.8 152.1 282.5

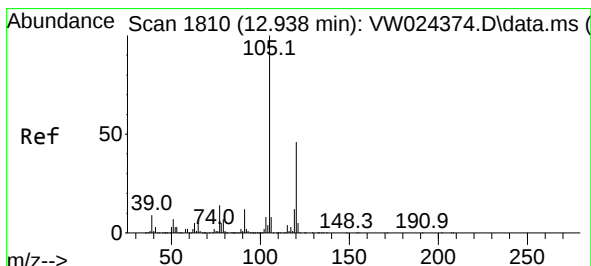
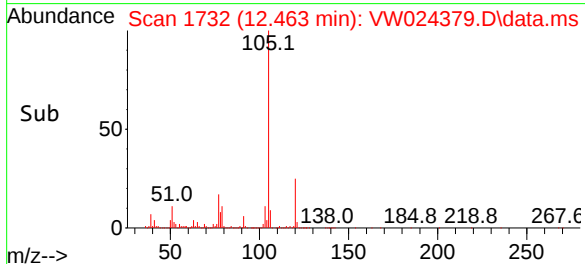
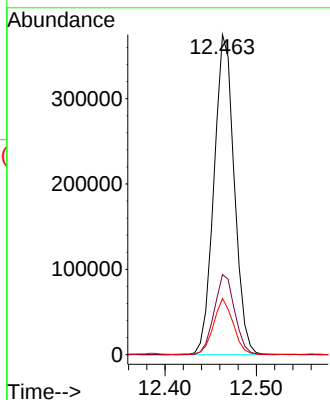
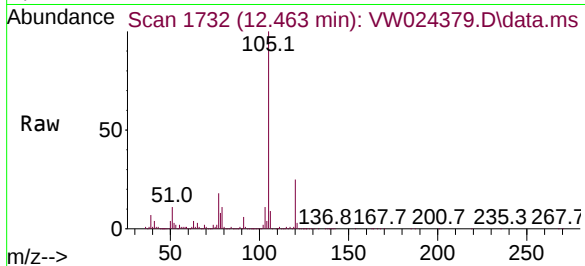




#60
Isopropylbenzene
Concen: 41.893 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW024379.D
Acq: 27 Aug 2022 04:56

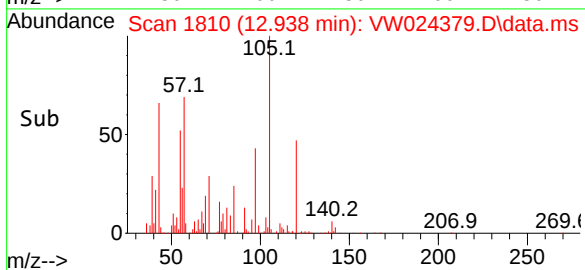
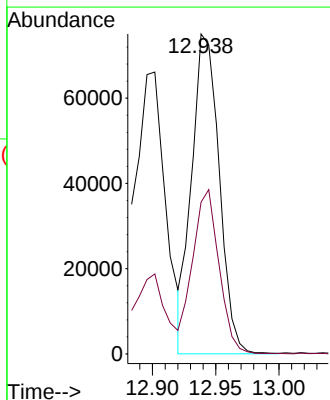
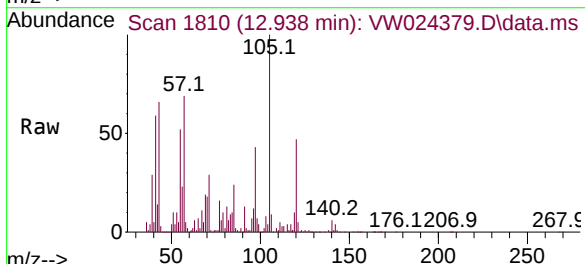
Instrument :
MSVOA_W
ClientSampleId :

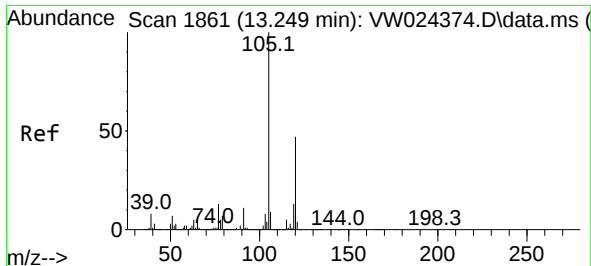
Tgt Ion:105 Resp: 578556
Ion Ratio Lower Upper
105 100
120 25.4 21.4 32.0
77 16.6 13.0 19.6



#62
1,3,5-Trimethylbenzene
Concen: 10.187 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VW024379.D
Acq: 27 Aug 2022 04:56

Tgt Ion:105 Resp: 113446
Ion Ratio Lower Upper
105 100
120 49.2 38.4 57.6

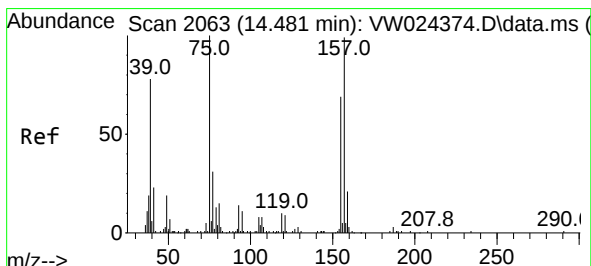
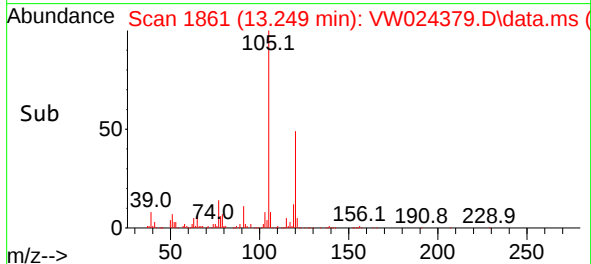
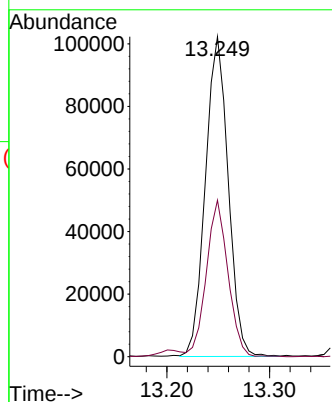
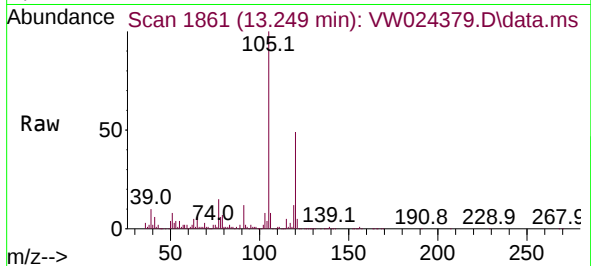




#63
 1,2,4-Trimethylbenzene
 Concen: 14.573 ug/L
 RT: 13.249 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW024379.D
 Acq: 27 Aug 2022 04:56

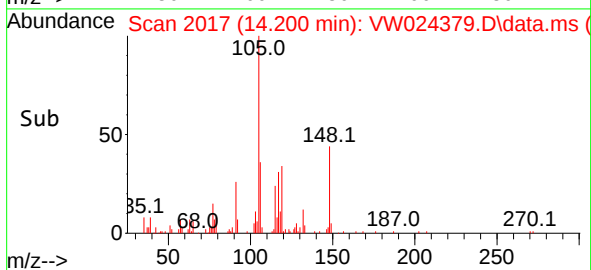
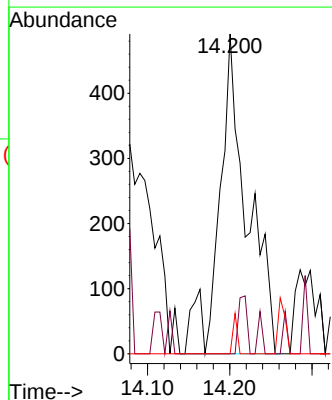
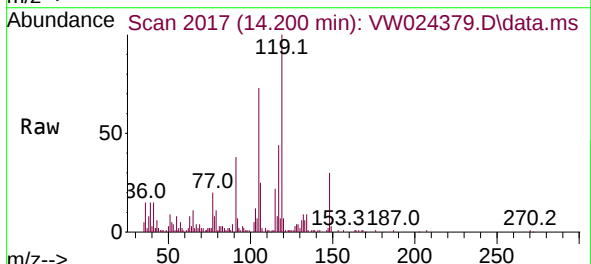
Instrument :
 MSVOA_W
 ClientSampleId :

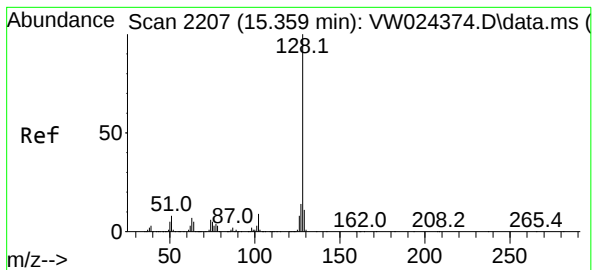
Tgt Ion:105 Resp: 157625
 Ion Ratio Lower Upper
 105 100
 120 45.8 36.2 54.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.975 ug/L
 RT: 14.200 min Scan# 2017
 Delta R.T. -0.280 min
 Lab File: VW024379.D
 Acq: 27 Aug 2022 04:56

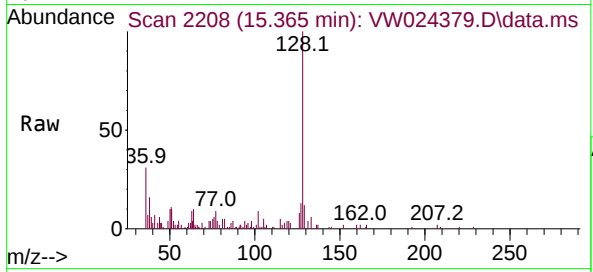
Tgt Ion: 75 Resp: 1167
 Ion Ratio Lower Upper
 75 100
 155 0.0 63.9 95.9#
 157 0.0 72.2 108.4#





#71
 Naphthalene
 Concen: 1.215 ug/L
 RT: 15.365 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW024379.D
 Acq: 27 Aug 2022 04:56

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	128	Resp:	8838
Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.5	15.7
129	10.7	8.3	12.5

