

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091323\
 Data File : VW027088.D
 Acq On : 13 Sep 2023 13:14
 Operator : SY/MD
 Sample : 04330-12RE
 Misc : 6.32g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 14 05:44:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Sep 09 02:59:49 2023
 Response via : Initial Calibration

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

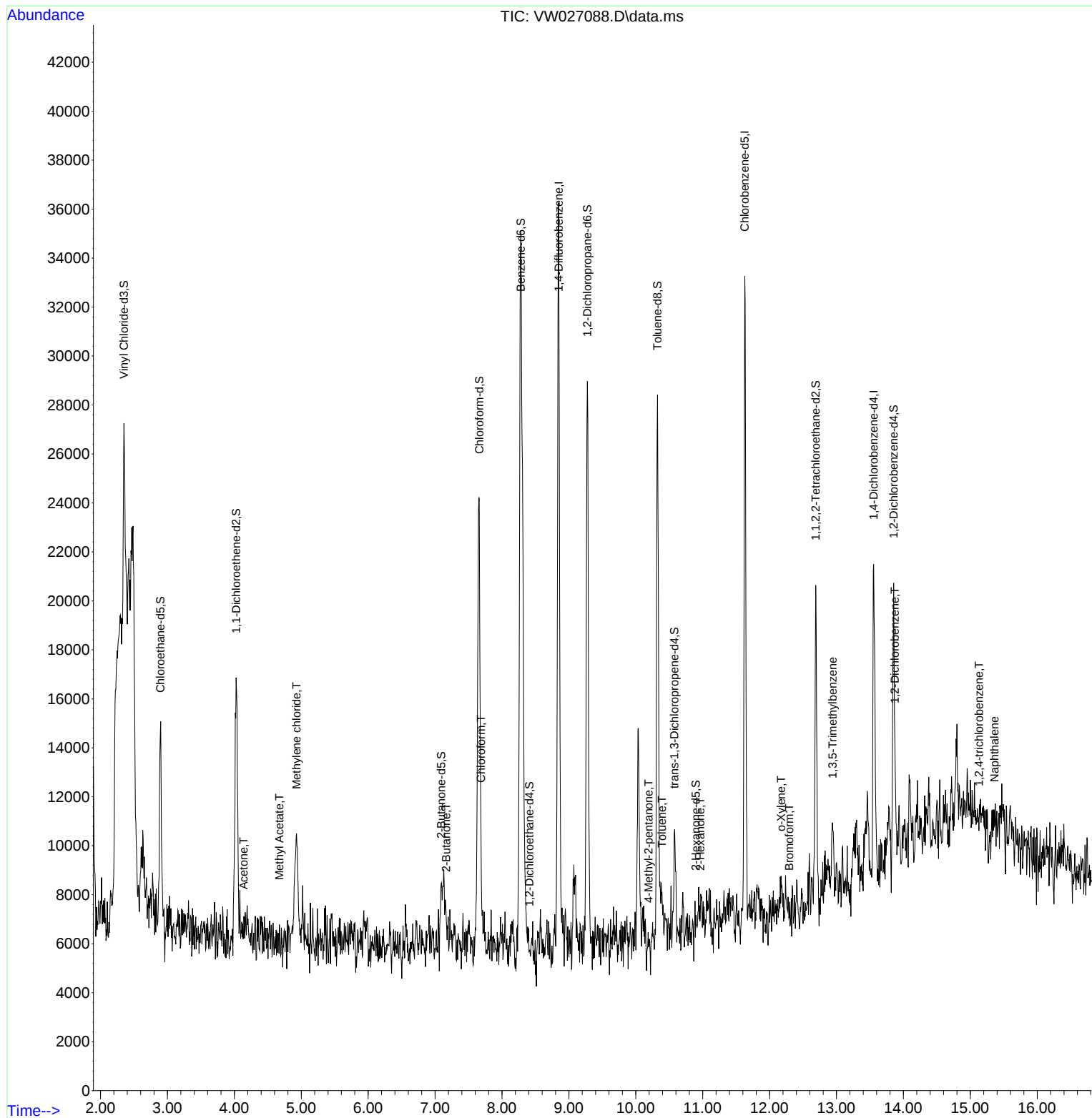
Internal Standards						
1) 1,4-Difluorobenzene	8.849	114	25849	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	15991	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	3350	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.350	65	9168	19.852	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.400%
7) Chloroethane-d5	2.893	69	9690	25.998	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.000%
11) 1,1-Dichloroethene-d2	4.027	65	3567	20.958	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.840%
21) 2-Butanone-d5	7.094	46	2028	22.791	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	45.580%
24) Chloroform-d	7.660	84	19135	24.877	ug/L	0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.520%
26) 1,2-Dichloroethane-d4	8.410	65	204	0.505	ug/L	0.10
Spiked Amount	25.000	Range	70 - 130	Recovery	=	2.000%#
32) Benzene-d6	8.282	84	32132	30.635	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	122.520%
36) 1,2-Dichloropropane-d6	9.276	67	11260	36.567	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	146.280%#
41) Toluene-d8	10.325	98	16208	17.068	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	68.280%
43) trans-1,3-Dichloroprop...	10.575	79	2869	24.009	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.040%
47) 2-Hexanone-d5	10.898	63	150	5.218	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	10.440%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	6787	28.402	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.600%
66) 1,2-Dichlorobenzene-d4	13.854	152	2642	22.803	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.200%
Target Compounds	Qvalue					
13) Acetone	4.137	43	665	8.535	ug/L	99
15) Methyl Acetate	4.673	43	127	0.784	ug/L #	93
16) Methylene chloride	4.929	84	2959	5.909	ug/L	87
22) 2-Butanone	7.167	43	320	2.553	ug/L	83
25) Chloroform	7.685	83	1414	1.913	ug/L	98
40) 4-Methyl-2-pentanone	10.191	43	312	2.165	ug/L #	89
42) Toluene	10.392	91	881	0.783	ug/L	83
48) 2-Hexanone	10.965	43	218	2.220	ug/L #	86
54) o-Xylene	12.172	106	369	0.836	ug/L #	25
59) Bromoform	12.294	173	79	1.658	ug/L #	80
62) 1,3,5-Trimethylbenzene	12.940	105	726	1.983	ug/L	87
67) 1,2-Dichlorobenzene	13.873	146	153	0.813	ug/L #	29
70) 1,2,4-trichlorobenzene	15.129	180	207	1.753	ug/L #	52
71) Naphthalene	15.360	128	126	0.603	ug/L #	1

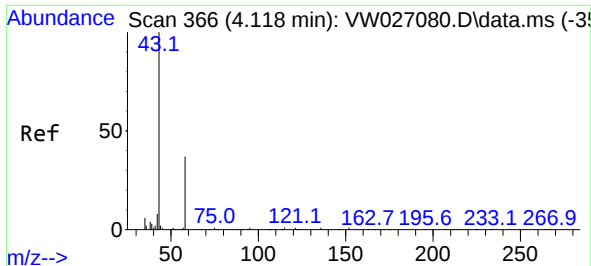
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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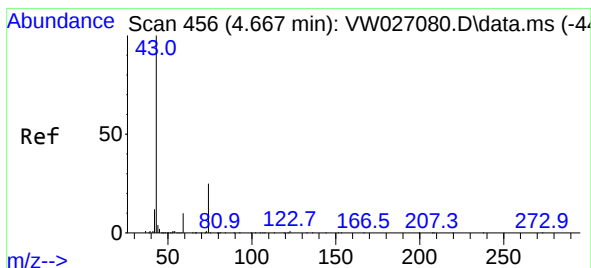
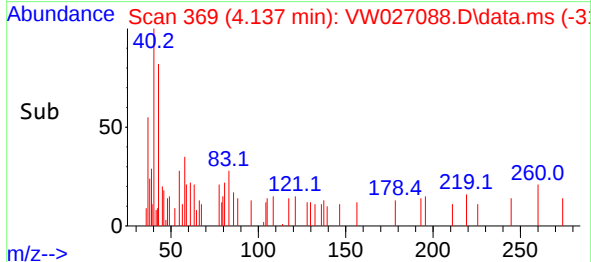
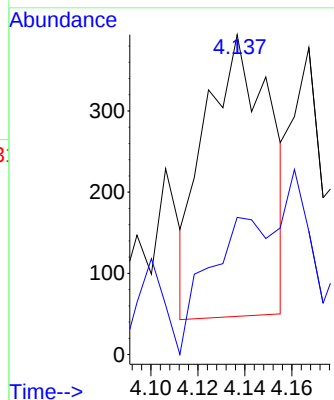
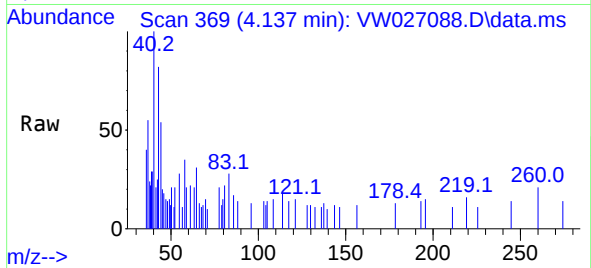




#13
Acetone
Concen: 8.535 ug/L
RT: 4.137 min Scan# 369
Delta R.T. 0.018 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14

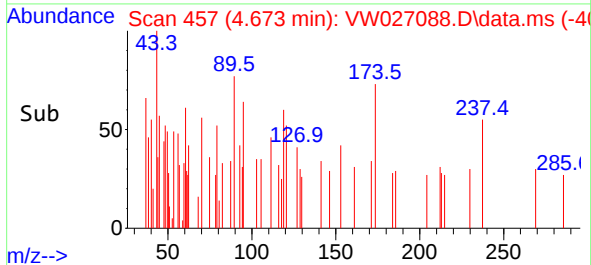
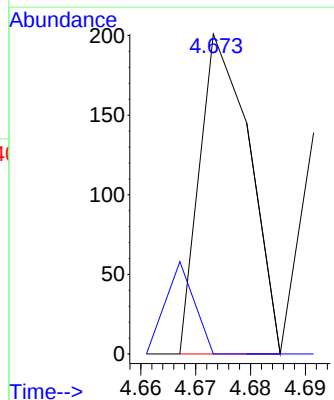
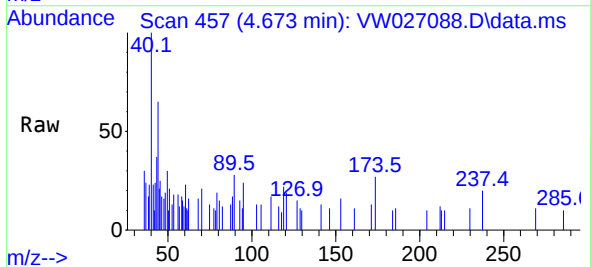
Instrument :
MSVOA_W
ClientSampleId :

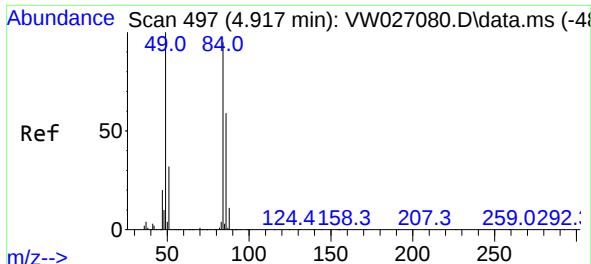
Tgt Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
58 32.5 0.0 66.4



#15
Methyl Acetate
Concen: 0.784 ug/L
RT: 4.673 min Scan# 457
Delta R.T. -0.000 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14

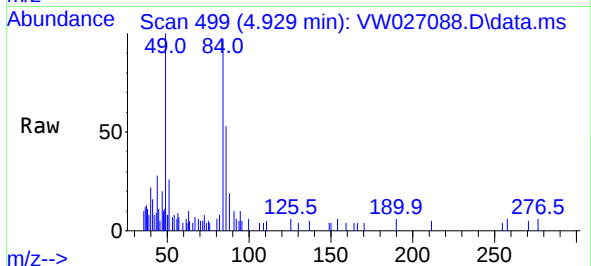
Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
74 16.5 0.1 0.1#





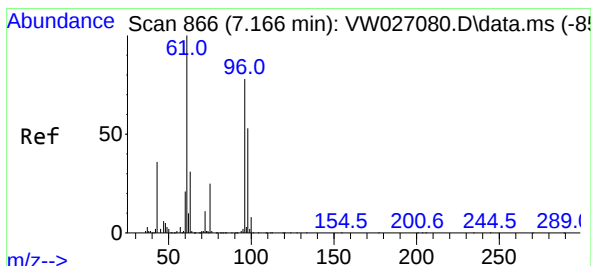
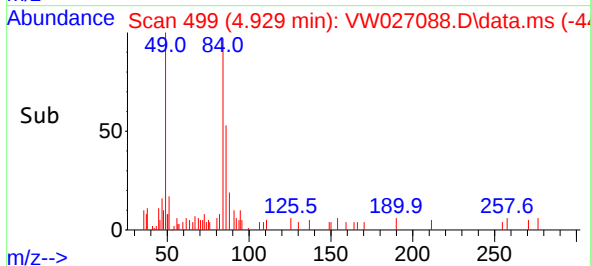
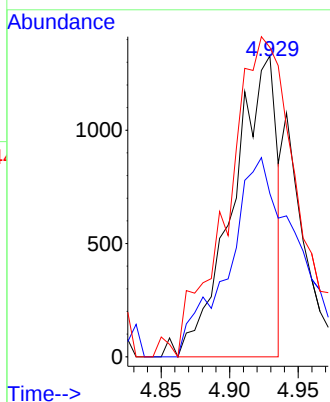
#16
Methylene chloride
Concen: 5.909 ug/L
RT: 4.929 min Scan# 497
Delta R.T. 0.006 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 84 Resp: 2959

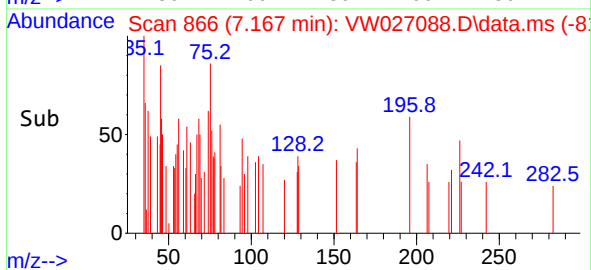
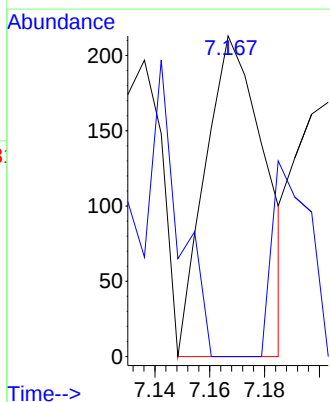
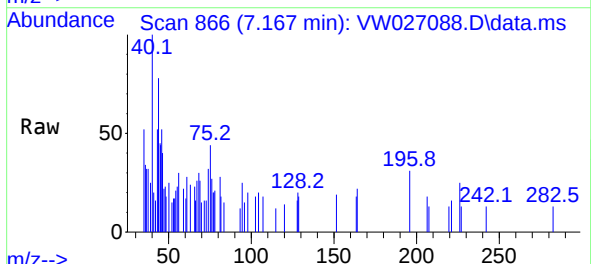
Ion	Ratio	Lower	Upper
84	100		
86	54.2	44.1	81.9
49	102.9	82.1	152.5

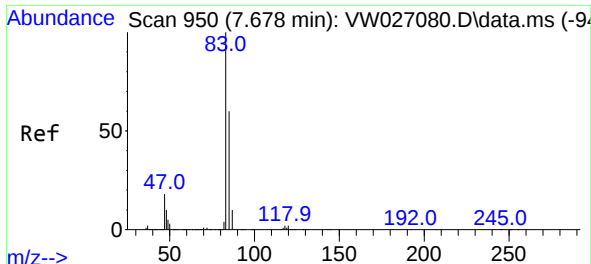


#22
2-Butanone
Concen: 2.553 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14

Tgt Ion: 43 Resp: 320

Ion	Ratio	Lower	Upper
43	100		
72	37.8	14.4	43.0

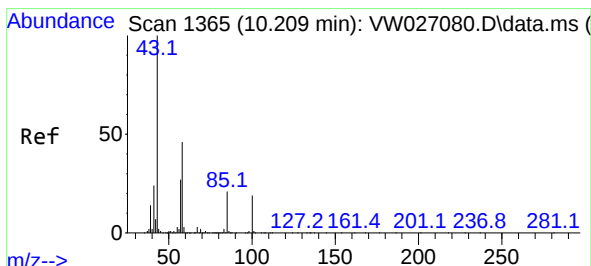
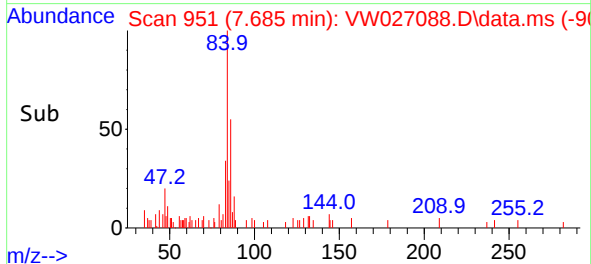
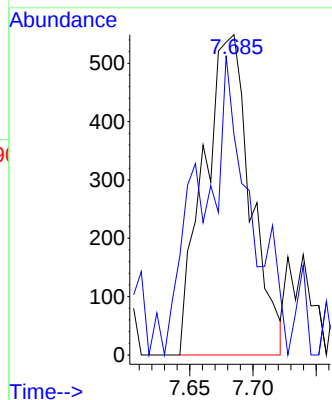
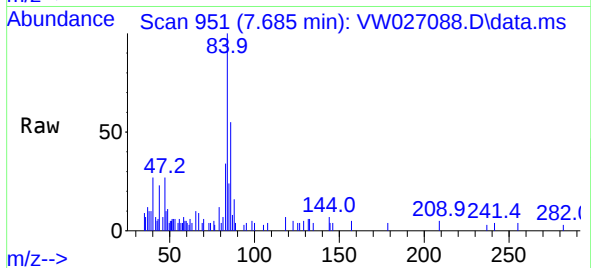




#25
Chloroform
Concen: 1.913 ug/L
RT: 7.685 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14

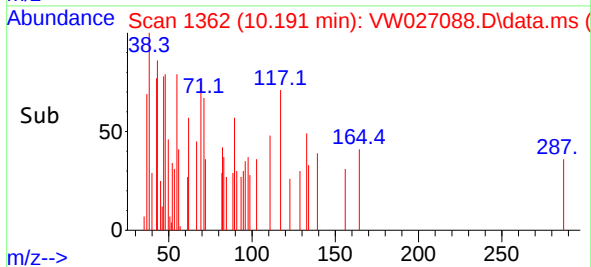
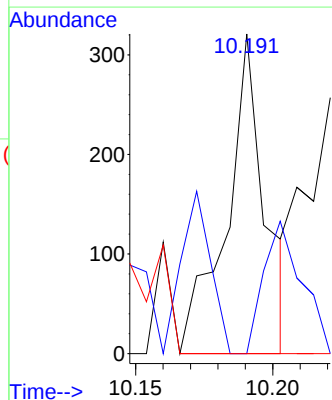
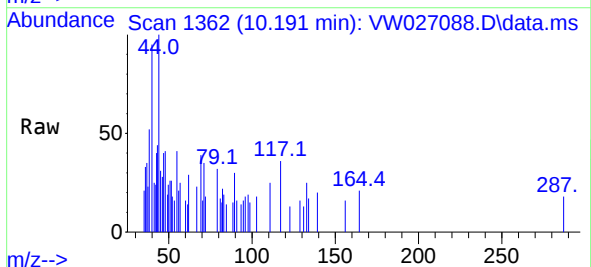
Instrument :
MSVOA_W
ClientSampleId :

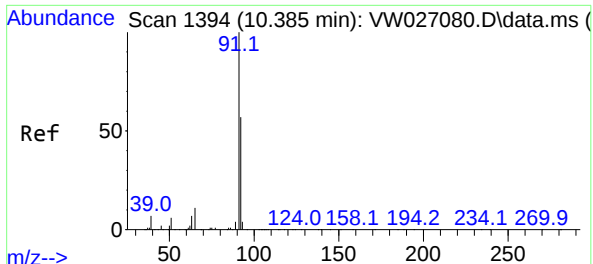
Tgt Ion: 83 Resp: 1414
Ion Ratio Lower Upper
83 100
85 68.9 47.3 87.9



#40
4-Methyl-2-pentanone
Concen: 2.165 ug/L
RT: 10.191 min Scan# 1362
Delta R.T. -0.018 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14

Tgt Ion: 43 Resp: 312
Ion Ratio Lower Upper
43 100
58 41.0 33.4 50.2
100 0.0 13.0 19.4

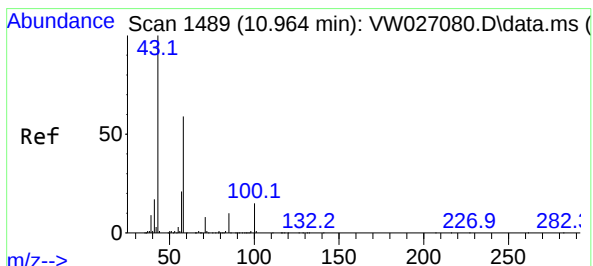
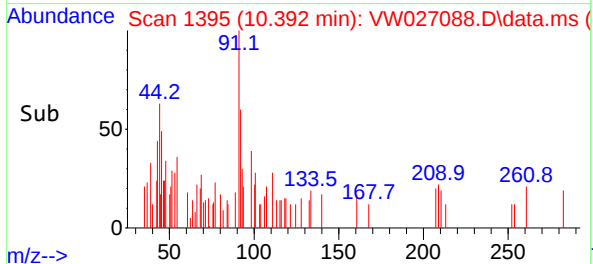
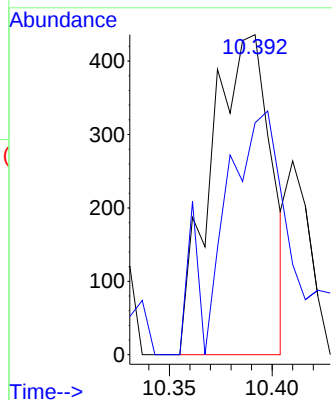
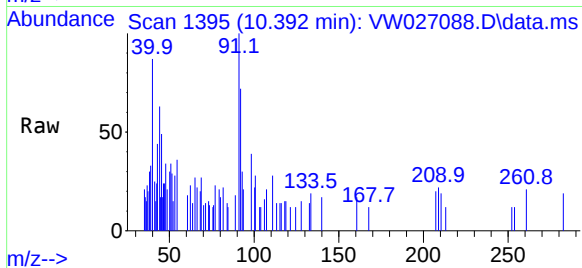




#42
Toluene
Concen: 0.783 ug/L
RT: 10.392 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14

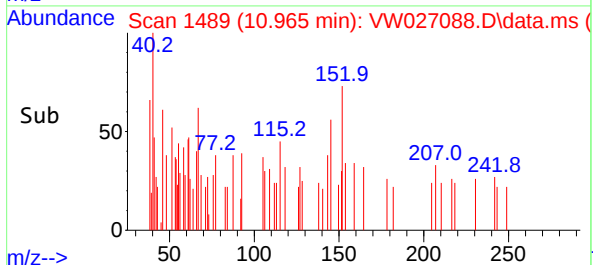
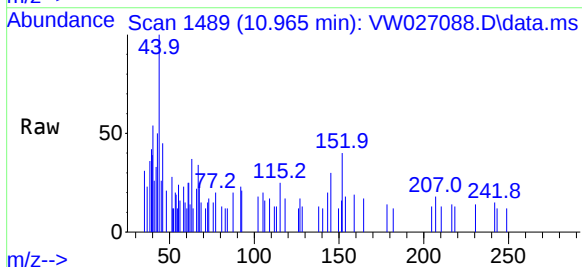
Instrument :
MSVOA_W
ClientSampleId :

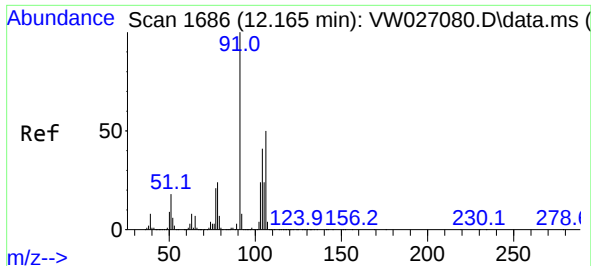
Tgt Ion: 91 Resp: 881
Ion Ratio Lower Upper
91 100
92 72.5 41.6 77.2



#48
2-Hexanone
Concen: 2.220 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14

Tgt Ion: 43 Resp: 218
Ion Ratio Lower Upper
43 100
58 61.0 47.5 71.3
57 35.3 15.2 22.8#
100 0.0 10.5 15.7#

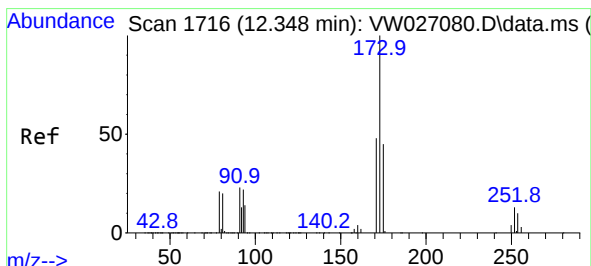
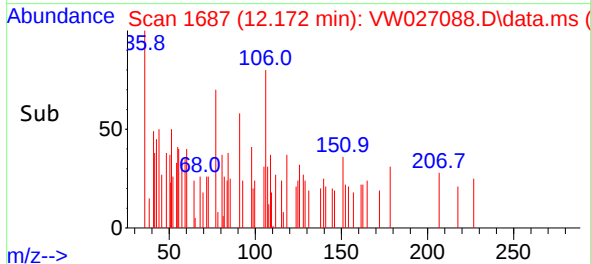
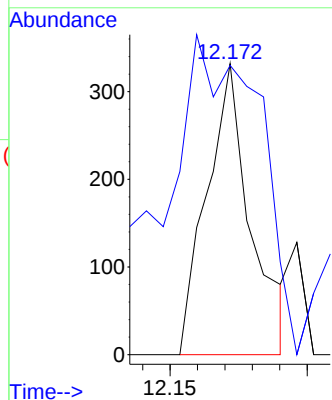
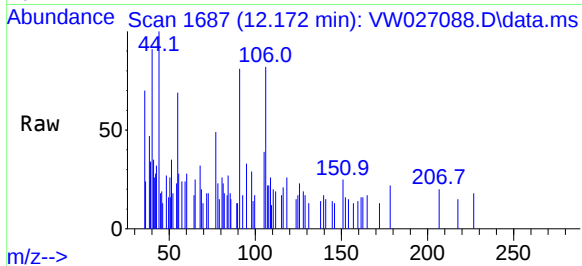




#54
o-Xylene
Concen: 0.836 ug/L
RT: 12.172 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14

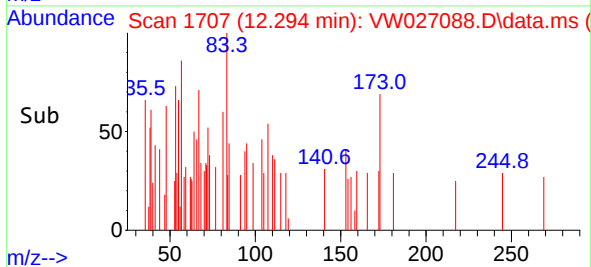
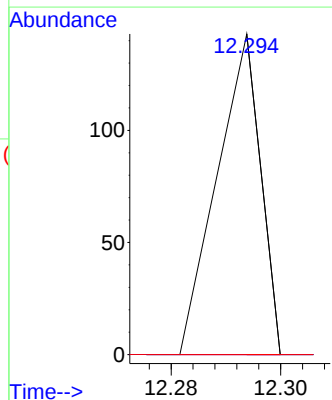
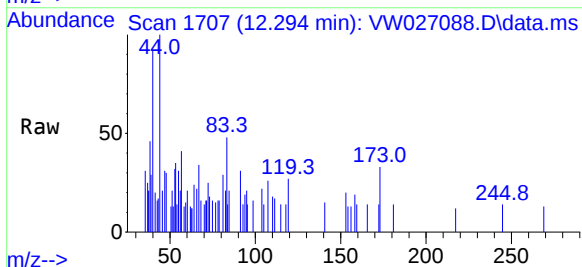
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ClientSampleId :

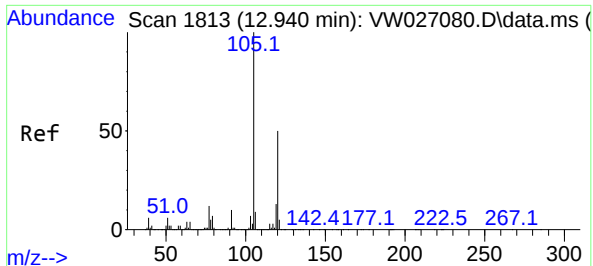
Tgt Ion:106 Resp: 369
Ion Ratio Lower Upper
106 100
91 99.4 154.0 286.0#



#59
Bromoform
Concen: 1.658 ug/L
RT: 12.294 min Scan# 1707
Delta R.T. -0.049 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14

Tgt Ion:173 Resp: 79
Ion Ratio Lower Upper
173 100
175 34.2 36.6 54.8#
254 0.0 8.5 12.7#

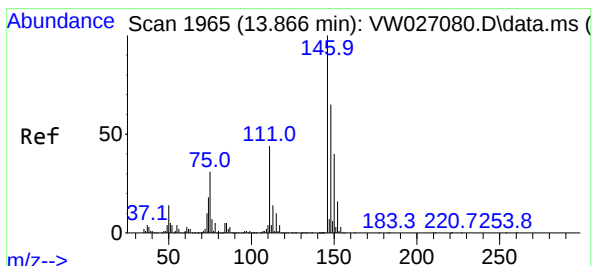
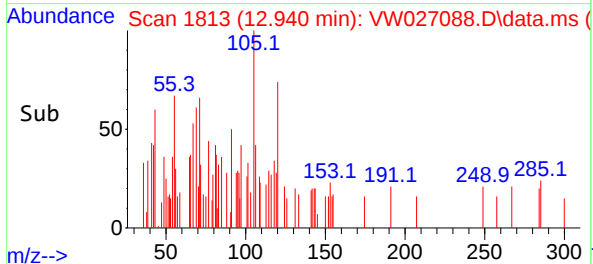
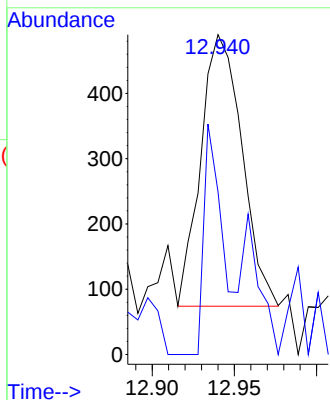
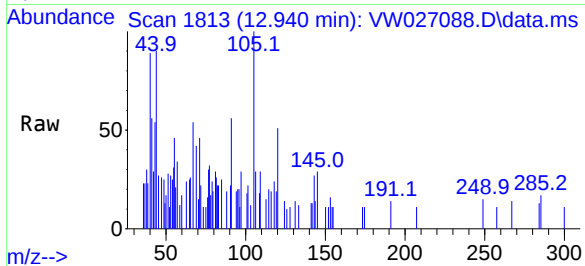




#62
1,3,5-Trimethylbenzene
Concen: 1.983 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14

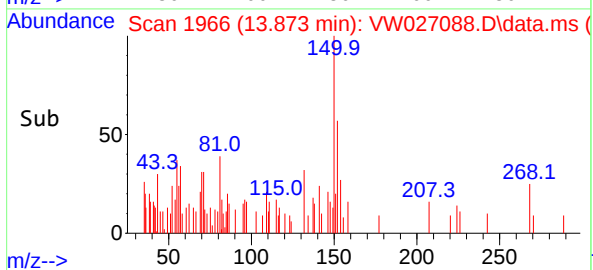
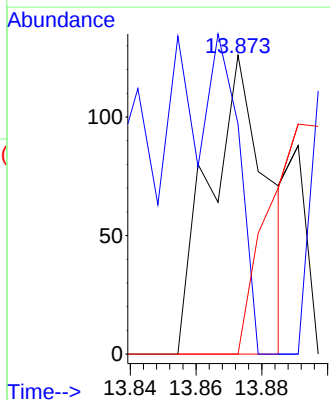
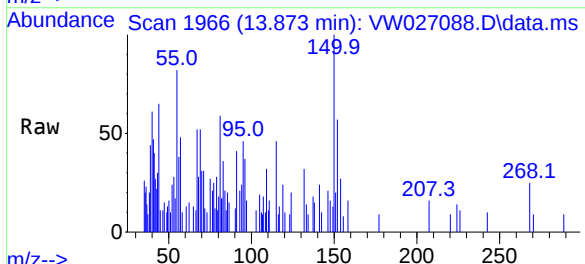
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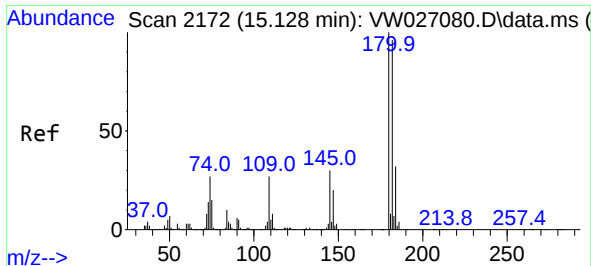
Tgt Ion:105 Resp: 726
Ion Ratio Lower Upper
105 100
120 39.9 39.0 58.6



#67
1,2-Dichlorobenzene
Concen: 0.813 ug/L
RT: 13.873 min Scan# 1966
Delta R.T. 0.006 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14

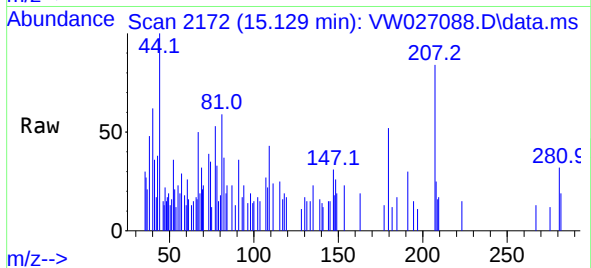
Tgt Ion:146 Resp: 153
Ion Ratio Lower Upper
146 100
111 77.0 34.0 51.0#
148 0.0 51.1 76.7#



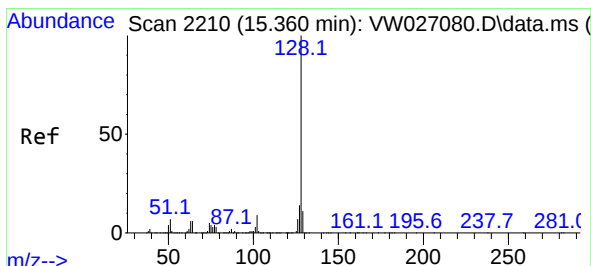
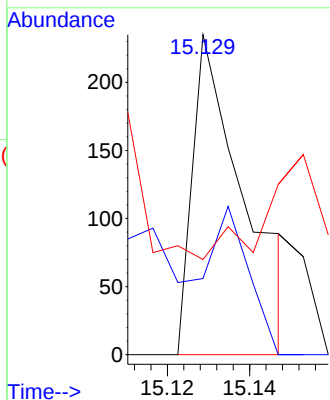
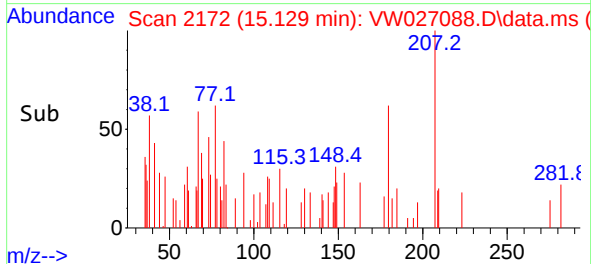


#70
1,2,4-trichlorobenzene
Concen: 1.753 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14

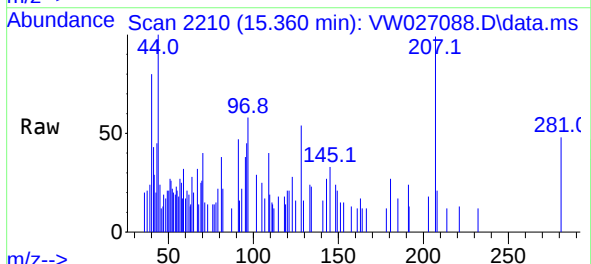
Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:180 Resp: 207
Ion Ratio Lower Upper
180 100
182 38.2 81.0 121.6#
145 30.0 24.8 37.2



#71
Naphthalene
Concen: 0.603 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW027088.D
Acq: 13 Sep 2023 13:14



Tgt Ion:128 Resp: 126
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 87.3 8.9 13.3#

