

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
 Data File : VW027437.D
 Acq On : 25 Oct 2023 12:59
 Operator : SY/MD
 Sample : 04961-11RE
 Misc : 5.11g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 26 00:50:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 26 00:48:25 2023
 Response via : Initial Calibration

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

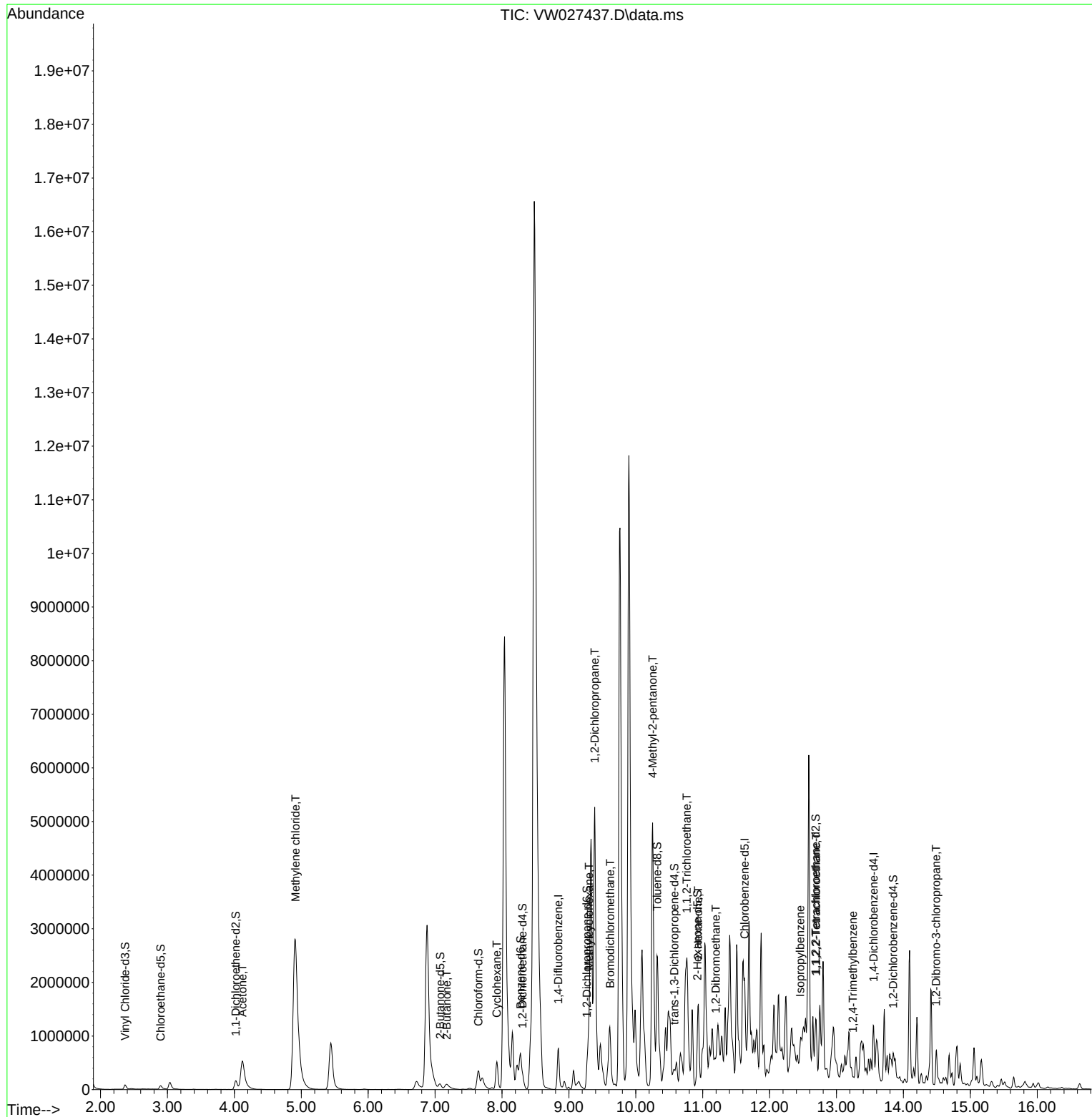
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	510346	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	472890	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	185947	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	117557	15.093	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.360%
7) Chloroethane-d5	2.899	69	100102	17.899	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.600%
11) 1,1-Dichloroethene-d2	4.021	65	63577	16.291	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.160%
21) 2-Butanone-d5	7.075	46	122892	47.471	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.940%
24) Chloroform-d	7.648	84	308773	20.300	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.200%
26) 1,2-Dichloroethane-d4	8.307	65	167235	20.467	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.880%
32) Benzene-d6	8.276	84	597132	18.664	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	74.640%
36) 1,2-Dichloropropane-d6	9.270	67	215866	22.090	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.360%
41) Toluene-d8	10.319	98	547812	18.882	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.520%
43) trans-1,3-Dichloroprop...	10.575	79	82410	18.496	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.000%
47) 2-Hexanone-d5	10.922	63	97491	48.219	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.440%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	179298	24.592	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.360%
66) 1,2-Dichlorobenzene-d4	13.848	152	133520	19.815	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.240%
Target Compounds						
					Qvalue	
13) Acetone	4.118	43	499080	223.208	ug/L	54
16) Methylene chloride	4.917	84	20175	2.160	ug/L #	1
22) 2-Butanone	7.173	43	56520	16.888	ug/L #	52
29) Cyclohexane	7.923	56	91999	6.407	ug/L #	48
35) Methylcyclohexane	9.300	83	229040	15.689	ug/L #	24
37) 1,2-Dichloropropane	9.386	63	7332	0.877	ug/L #	87
38) Bromodichloromethane	9.617	83	146727	14.280	ug/L #	40
40) 4-Methyl-2-pentanone	10.252	43	698939	121.623	ug/L #	75
45) 1,1,2-Trichloroethane	10.764	97	576662	100.283	ug/L #	35
48) 2-Hexanone	10.934	43	574366	135.036	ug/L #	21
50) 1,2-Dibromoethane	11.196	107	4310	0.773	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.696	83	17783	2.533	ug/L #	1
60) Isopropylbenzene	12.458	105	316974	10.851	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	12940	0.543	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.489	75	2357	2.323	ug/L #	20

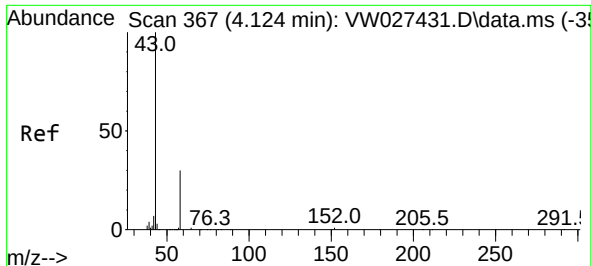
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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Response via : Initial Calibration

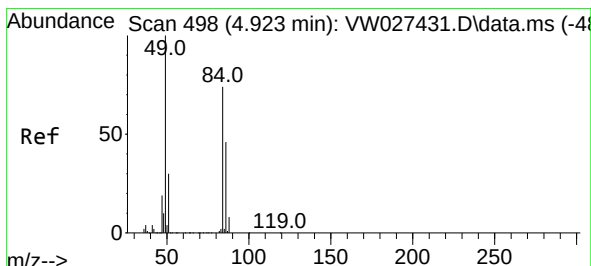
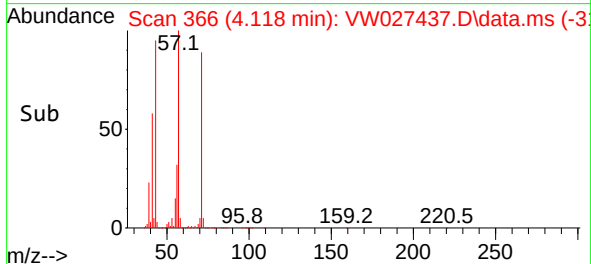
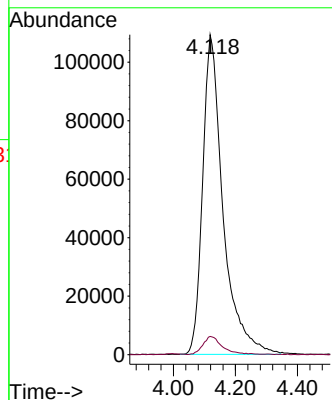
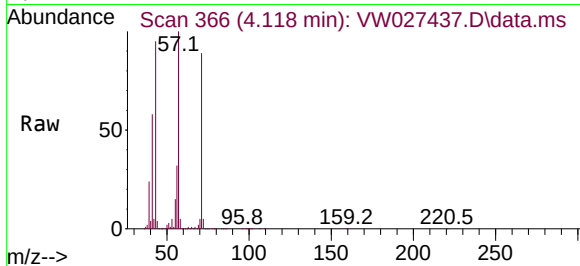




#13
Acetone
Concen: 223.208 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW027437.D
Acq: 25 Oct 2023 12:59

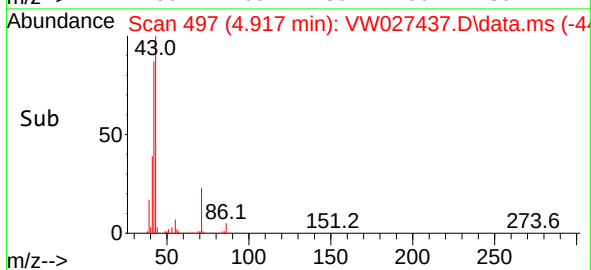
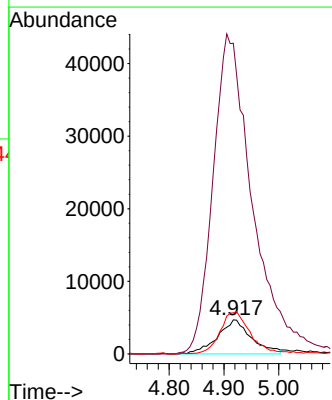
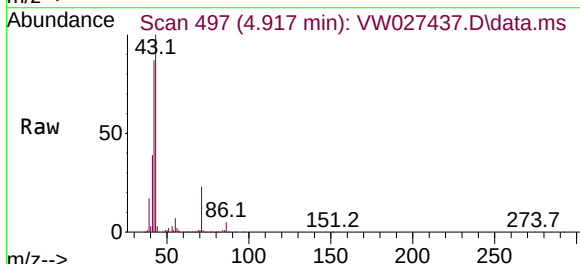
Instrument :
MSVOA_W
ClientSampleId :

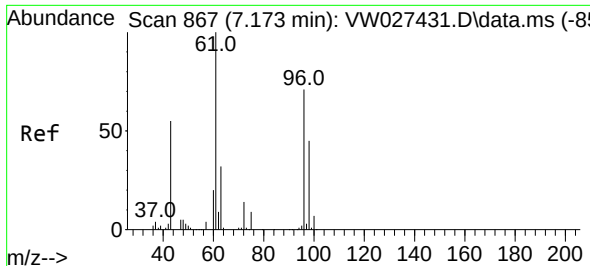
Tgt Ion: 43 Resp: 499080
Ion Ratio Lower Upper
43 100
58 5.4 0.0 60.8



#16
Methylene chloride
Concen: 2.160 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW027437.D
Acq: 25 Oct 2023 12:59

Tgt Ion: 84 Resp: 20175
Ion Ratio Lower Upper
84 100
86 912.8 41.3 76.7#
49 120.8 92.8 172.4

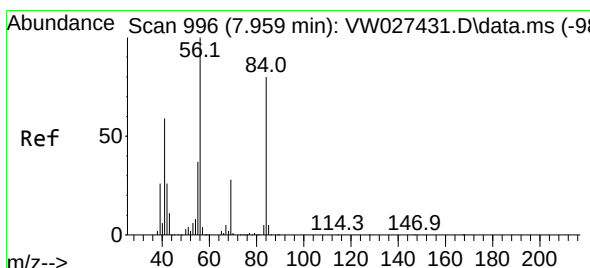
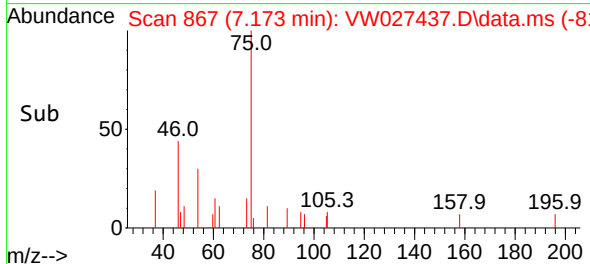
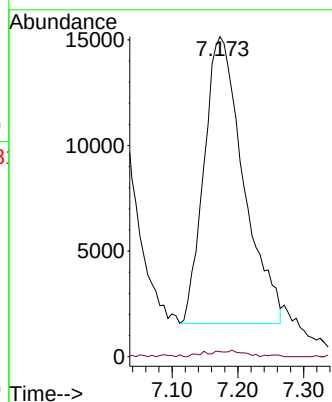
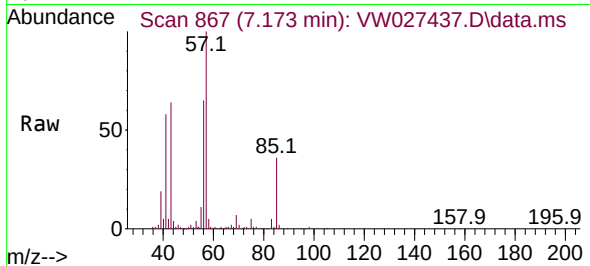




#22
2-Butanone
Concen: 16.888 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.000 min
Lab File: VW027437.D
Acq: 25 Oct 2023 12:59

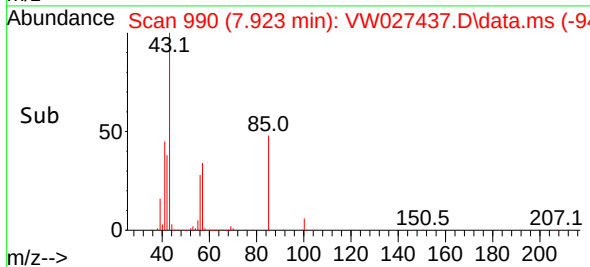
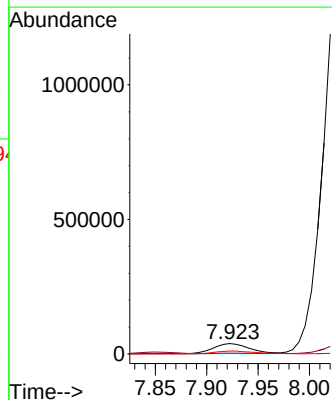
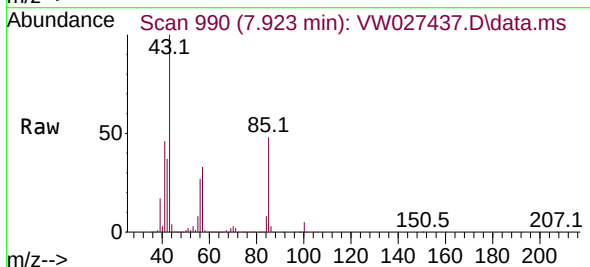
Instrument :
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ClientSampleId :

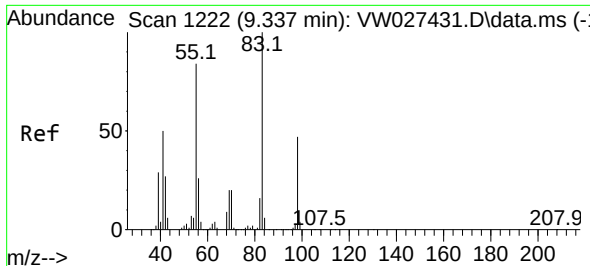
Tgt Ion: 43 Resp: 56520
Ion Ratio Lower Upper
43 100
72 0.6 12.3 36.8#



#29
Cyclohexane
Concen: 6.407 ug/L
RT: 7.923 min Scan# 990
Delta R.T. -0.036 min
Lab File: VW027437.D
Acq: 25 Oct 2023 12:59

Tgt Ion: 56 Resp: 91999
Ion Ratio Lower Upper
56 100
69 5.0 24.2 36.4#
84 33.4 65.1 97.7#

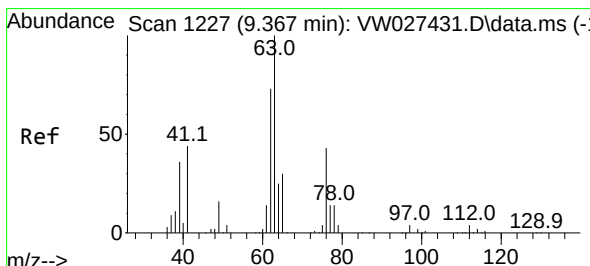
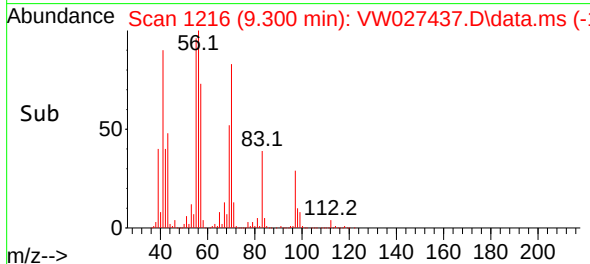
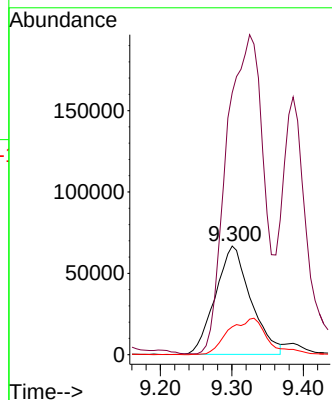
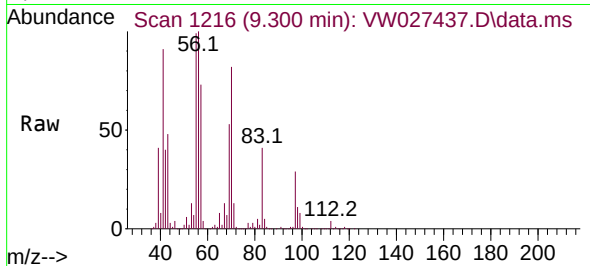




#35
Methylcyclohexane
Concen: 15.689 ug/L
RT: 9.300 min Scan# 11
Delta R.T. -0.036 min
Lab File: VW027437.D
Acq: 25 Oct 2023 12:59

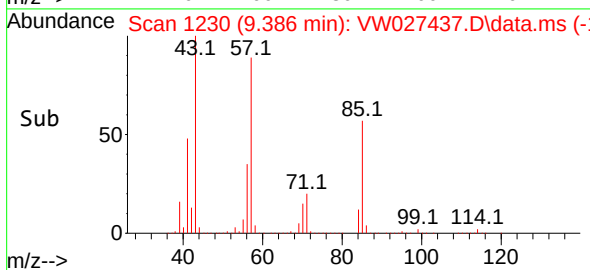
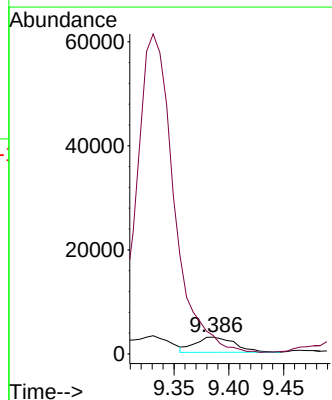
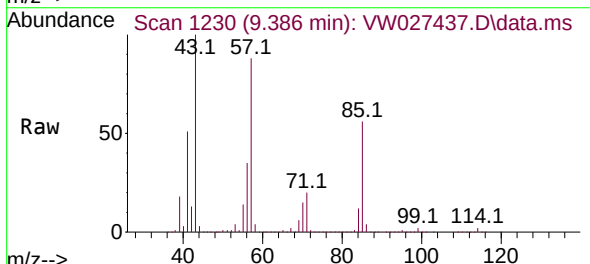
Instrument :
MSVOA_W
ClientSampleId :

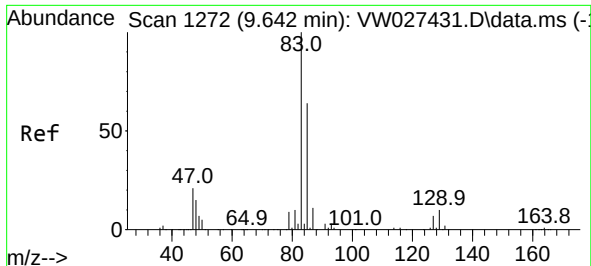
Tgt Ion: 83 Resp: 229040
Ion Ratio Lower Upper
83 100
55 0.0 65.8 98.8#
98 15.1 38.1 57.1#



#37
1,2-Dichloropropane
Concen: 0.877 ug/L
RT: 9.386 min Scan# 1230
Delta R.T. 0.018 min
Lab File: VW027437.D
Acq: 25 Oct 2023 12:59

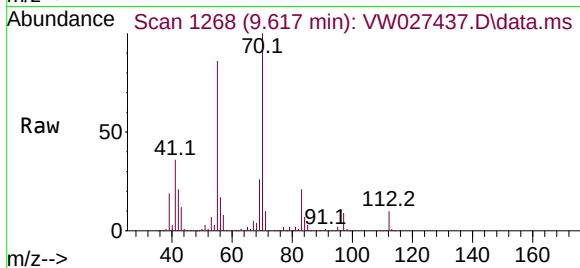
Tgt Ion: 63 Resp: 7332
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



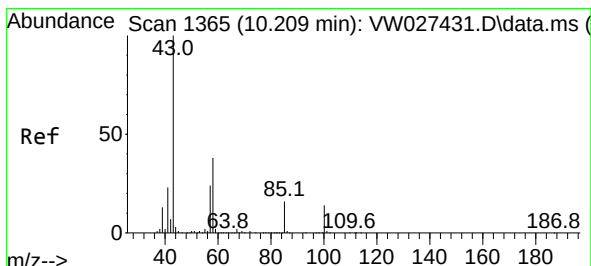
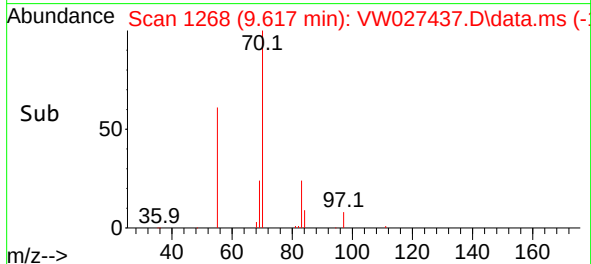
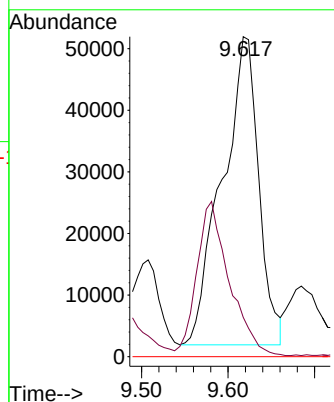


#38
Bromodichloromethane
Concen: 14.280 ug/L
RT: 9.617 min Scan# 11
Delta R.T. -0.024 min
Lab File: VW027437.D
Acq: 25 Oct 2023 12:59

Instrument :
MSVOA_W
ClientSampleId :

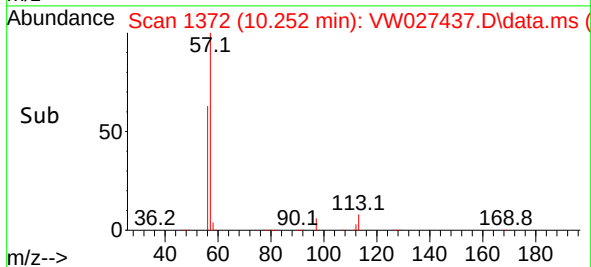
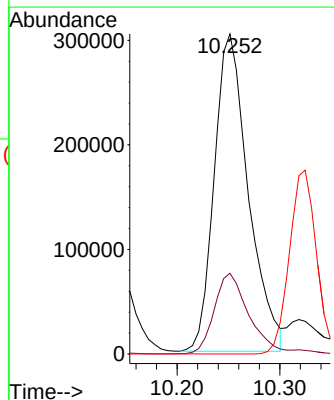
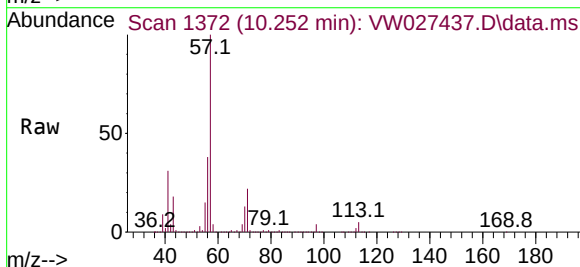


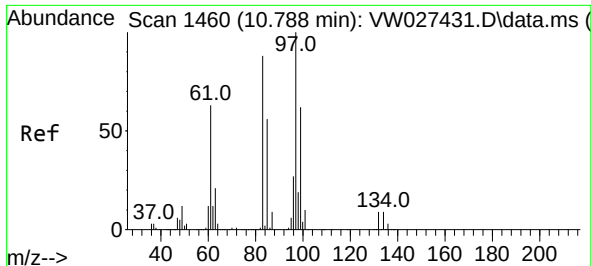
Tgt Ion: 83 Resp: 146727
Ion Ratio Lower Upper
83 100
85 12.3 43.9 81.5#
127 0.0 6.2 9.2#



#40
4-Methyl-2-pentanone
Concen: 121.623 ug/L
RT: 10.252 min Scan# 1372
Delta R.T. 0.043 min
Lab File: VW027437.D
Acq: 25 Oct 2023 12:59

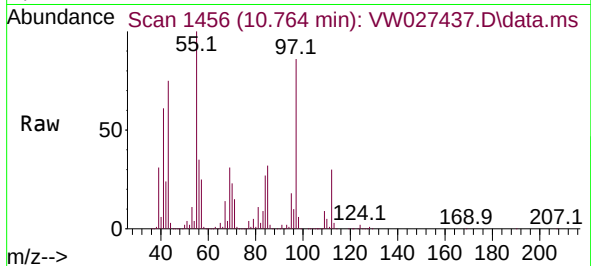
Tgt Ion: 43 Resp: 698939
Ion Ratio Lower Upper
43 100
58 25.4 30.5 45.7#
100 0.0 11.5 17.3#



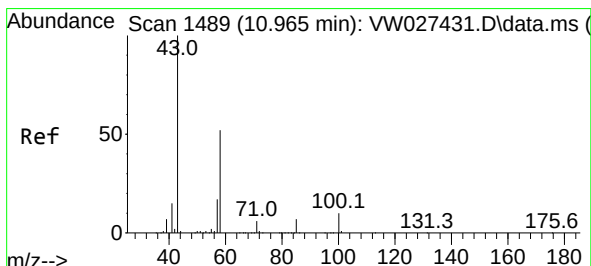
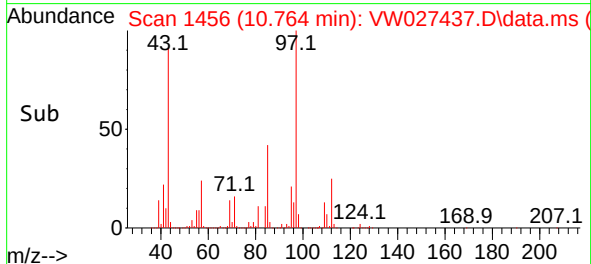
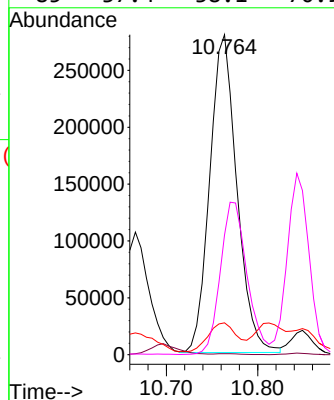


#45
1,1,2-Trichloroethane
Concen: 100.283 ug/L
RT: 10.764 min Scan# 1456
Delta R.T. -0.024 min
Lab File: VW027437.D
Acq: 25 Oct 2023 12:59

Instrument :
MSVOA_W
ClientSampleId :

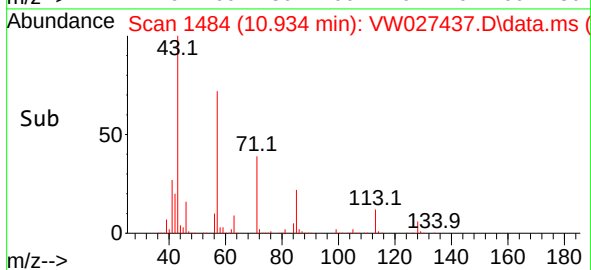
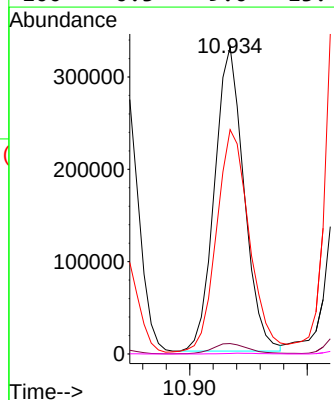
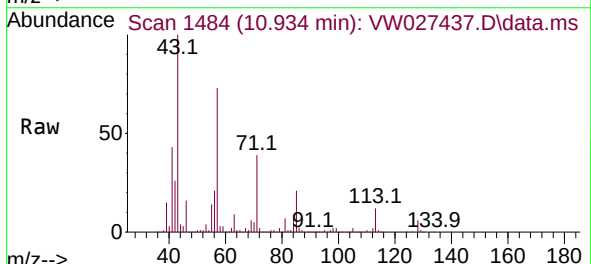


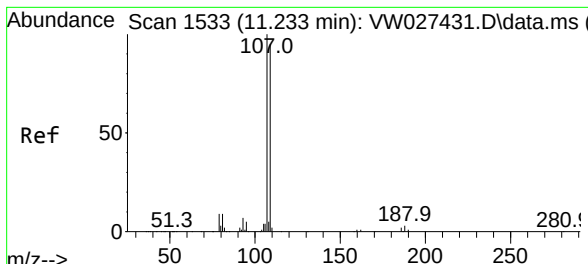
Tgt Ion: 97 Resp: 576662
Ion Ratio Lower Upper
97 100
99 0.3 43.8 81.4#
83 9.9 57.5 106.7#
85 37.4 38.1 70.9#



#48
2-Hexanone
Concen: 135.036 ug/L
RT: 10.934 min Scan# 1484
Delta R.T. -0.030 min
Lab File: VW027437.D
Acq: 25 Oct 2023 12:59

Tgt Ion: 43 Resp: 574366
Ion Ratio Lower Upper
43 100
58 4.1 42.2 63.4#
57 81.7 15.1 22.7#
100 0.3 9.0 13.4#



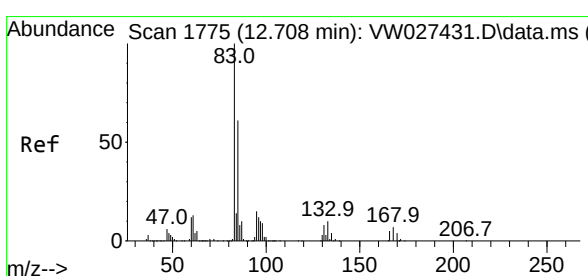
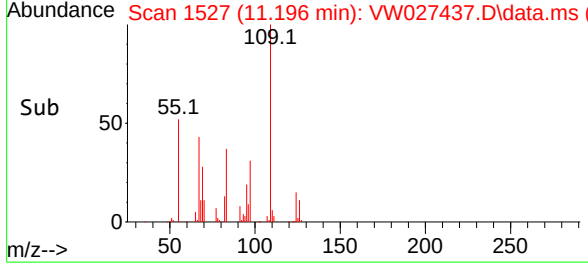
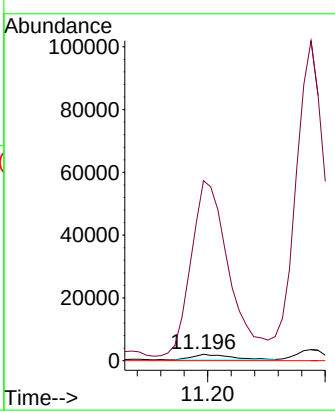
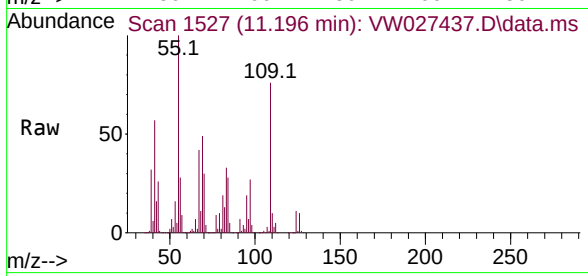


#50
 1,2-Dibromoethane
 Concen: 0.773 ug/L
 RT: 11.196 min Scan# 1527
 Delta R.T. -0.036 min
 Lab File: VW027437.D
 Acq: 25 Oct 2023 12:59

Instrument : MSVOA_W
 ClientSampleId :

Tgt Ion:107 Resp: 4310

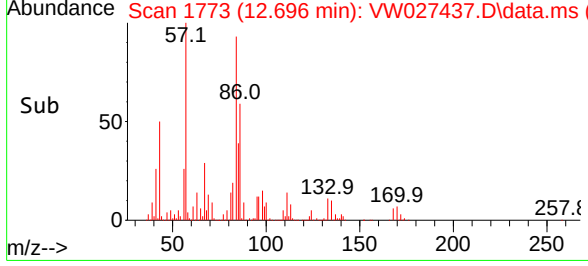
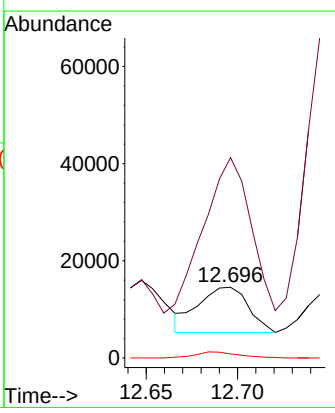
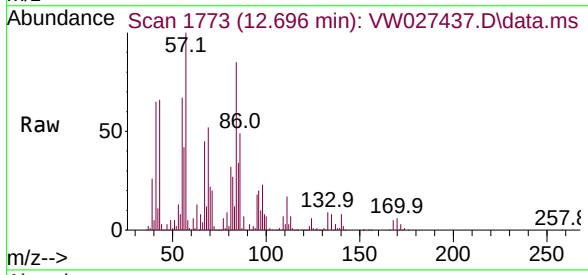
Ion	Ratio	Lower	Upper
107	100		
109	2798.8	66.3	123.1#
188	0.0	3.0	4.4#

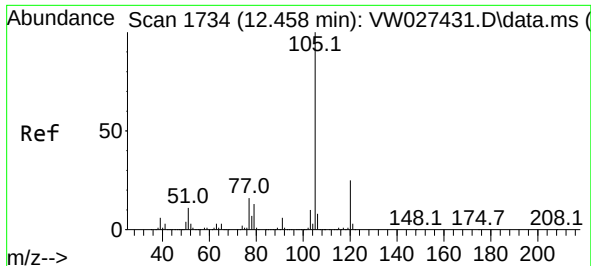


#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.533 ug/L
 RT: 12.696 min Scan# 1773
 Delta R.T. -0.012 min
 Lab File: VW027437.D
 Acq: 25 Oct 2023 12:59

Tgt Ion: 83 Resp: 17783

Ion	Ratio	Lower	Upper
83	100		
85	283.5	43.2	80.2#
131	6.2	7.2	10.8#

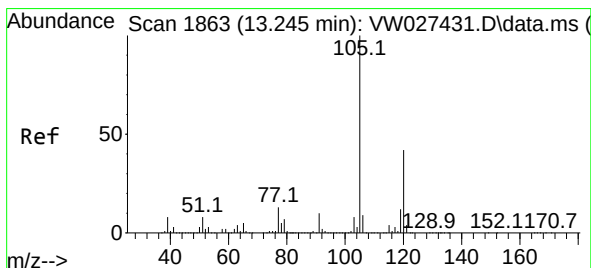
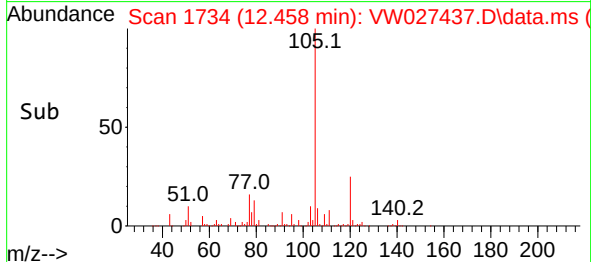
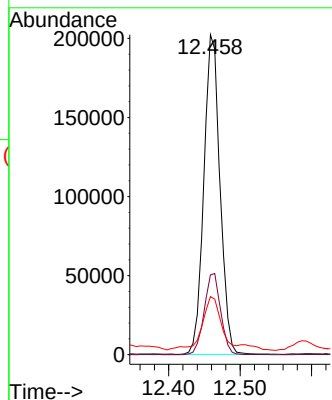
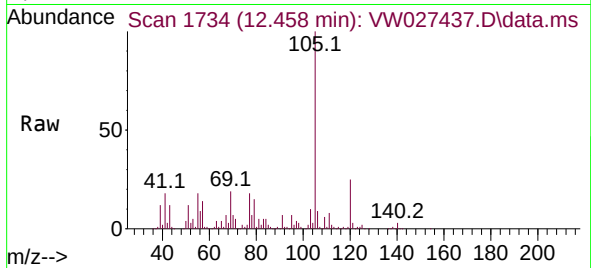




#60
Isopropylbenzene
Concen: 10.851 ug/L
RT: 12.458 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW027437.D
Acq: 25 Oct 2023 12:59

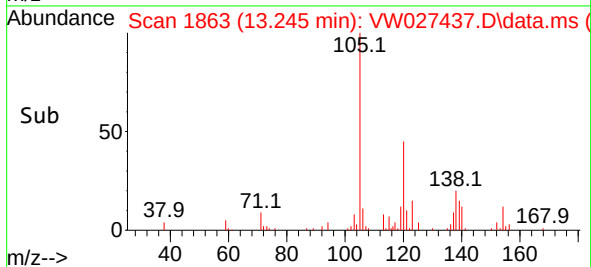
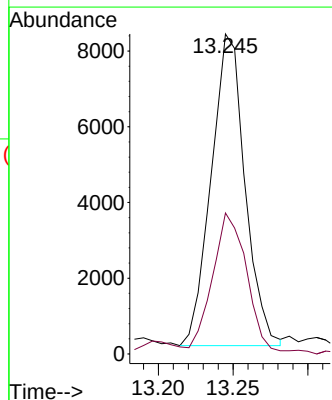
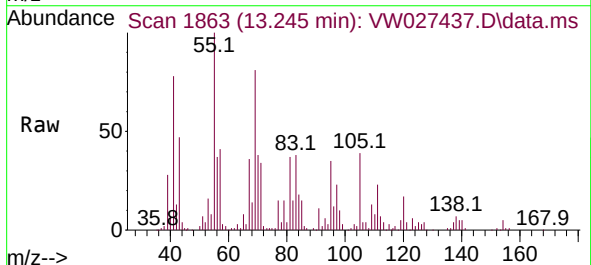
Instrument :
MSVOA_W
ClientSampleId :

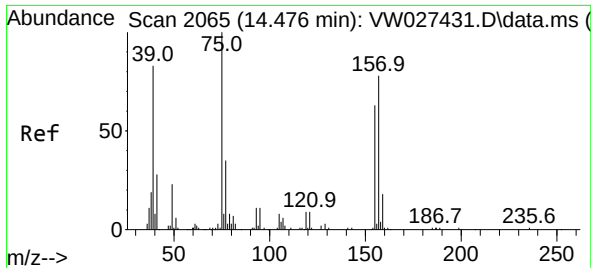
Tgt Ion:105 Resp: 316974
Ion Ratio Lower Upper
105 100
120 25.9 20.1 30.1
77 16.5 12.9 19.3



#63
1,2,4-Trimethylbenzene
Concen: 0.543 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW027437.D
Acq: 25 Oct 2023 12:59

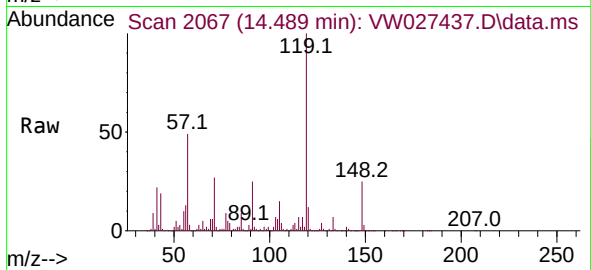
Tgt Ion:105 Resp: 12940
Ion Ratio Lower Upper
105 100
120 44.1 35.4 53.2





#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.323 ug/L
 RT: 14.489 min Scan# 2067
 Delta R.T. 0.012 min
 Lab File: VW027437.D
 Acq: 25 Oct 2023 12:59

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 2357
 Ion Ratio Lower Upper
 75 100
 155 14.8 54.9 82.3#
 157 0.0 64.7 97.1#

