

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033391.D
 Acq On : 15 Dec 2023 20:43
 Operator : SY/MD
 Sample : 05846-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

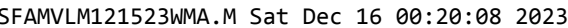
Quant Time: Dec 16 00:19:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 23:24:47 2023
 Response via : Initial Calibration

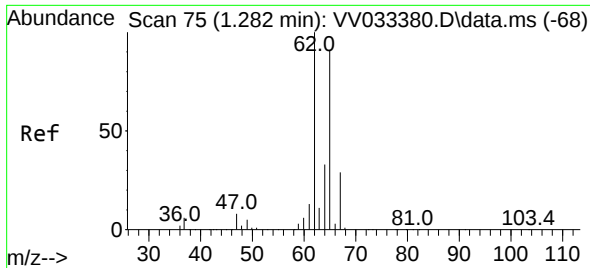
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	218243	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	226285	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	95311	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	81480	48.481	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.960%
7) Chloroethane-d5	1.532	69	73481	48.719	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.440%
11) 1,1-Dichloroethene-d2	2.060	65	42321	50.585	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.180%
21) 2-Butanone-d5	3.783	46	86473	102.089	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.090%
24) Chloroform-d	4.246	84	153389	46.139	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.280%
26) 1,2-Dichloroethane-d4	4.941	65	100956	49.433	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.860%
32) Benzene-d6	4.960	84	291074	47.759	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.520%
36) 1,2-Dichloropropane-d6	5.989	67	88865	48.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.080%
41) Toluene-d8	7.243	98	249255	44.696	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	7.555	79	39773	43.875	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.740%
47) 2-Hexanone-d5	8.024	63	56116	90.198	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.200%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	126252	47.490	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.980%
66) 1,2-Dichlorobenzene-d4	11.561	152	99531	55.571	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.140%
Target Compounds						Qvalue
5) Vinyl chloride	1.282	62	162590	91.878	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	10305	5.692	ug/L #	73
13) Acetone	2.108	43	39632	40.308	ug/L	98
14) Carbon disulfide	2.243	76	6898	1.755	ug/L #	94
19) 1,1-Dichloroethane	3.111	63	168527	60.489	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	37838	22.957	ug/L	95
22) 2-Butanone	3.873	43	23160	23.909	ug/L	77
25) Chloroform	4.278	83	10044	3.203	ug/L	89
27) 1,2-Dichloroethane	5.050	62	12280	5.081	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	92564	33.131	ug/L	100
31) Carbon tetrachloride	4.513	117	11950	4.779	ug/L	97
33) Benzene	5.011	78	50260	8.333	ug/L	100
34) Trichloroethene	5.838	95	22929	13.857	ug/L	96
37) 1,2-Dichloropropane	6.101	63	3476	2.125	ug/L #	95
48) 2-Hexanone	8.024	43	8475	5.821	ug/L #	73

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

Quant Time: Dec 16 00:19:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
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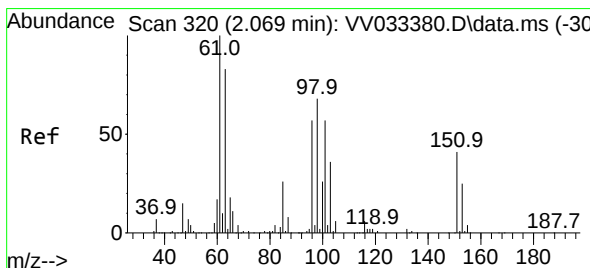
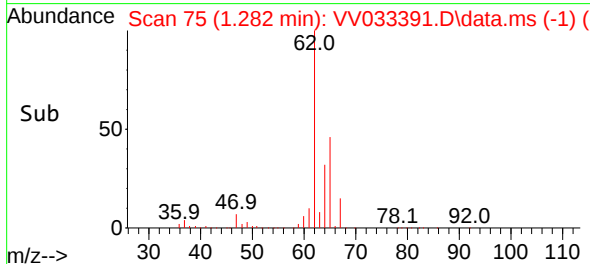
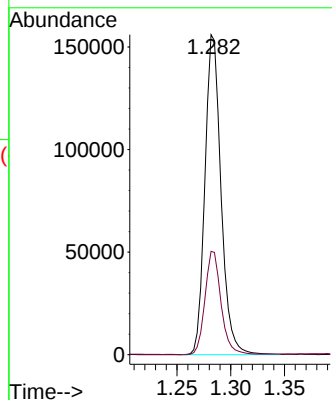
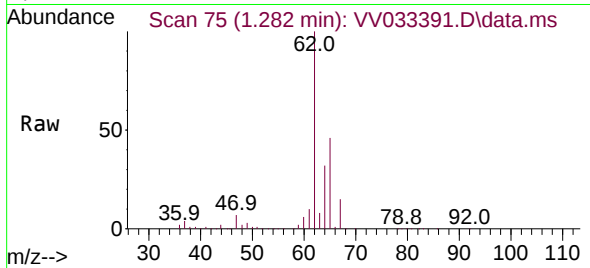




#5
 Vinyl chloride
 Concen: 91.878 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV033391.D
 Acq: 15 Dec 2023 20:43

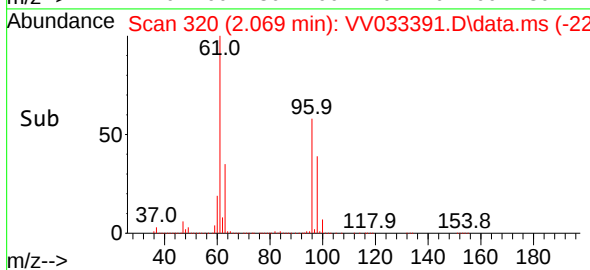
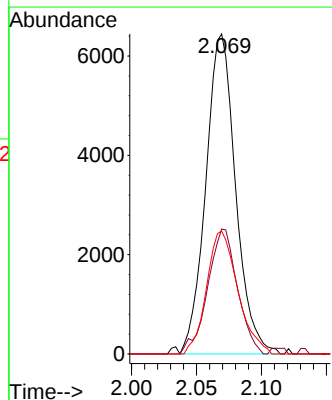
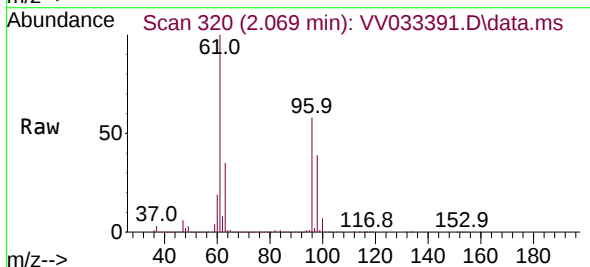
Instrument :
 MSVOA_V
 ClientSampleId :

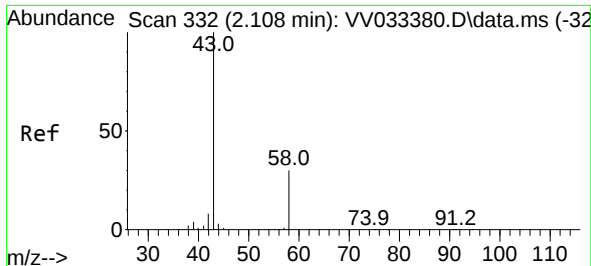
Tgt Ion: 62 Resp: 162590
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.4 43.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.692 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033391.D
 Acq: 15 Dec 2023 20:43

Tgt Ion: 101 Resp: 10305
 Ion Ratio Lower Upper
 101 100
 85 38.7 36.6 54.8
 151 40.0 57.0 85.6





#13

Acetone

Concen: 40.308 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.000 min

Lab File: VV033391.D

Acq: 15 Dec 2023 20:43

Instrument :

MSVOA_V

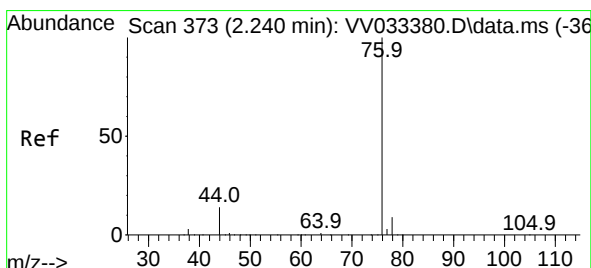
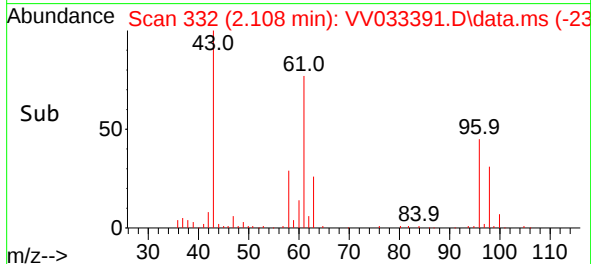
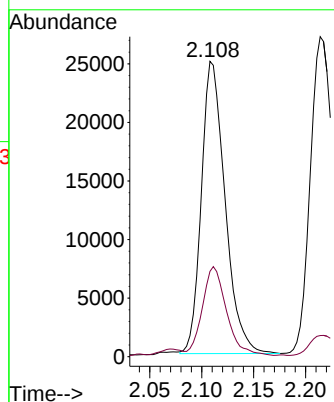
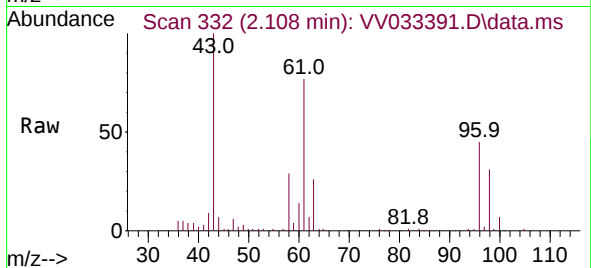
ClientSampleId :

Tgt Ion: 43 Resp: 39632

Ion Ratio Lower Upper

43 100

58 30.7 0.0 59.2



#14

Carbon disulfide

Concen: 1.755 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033391.D

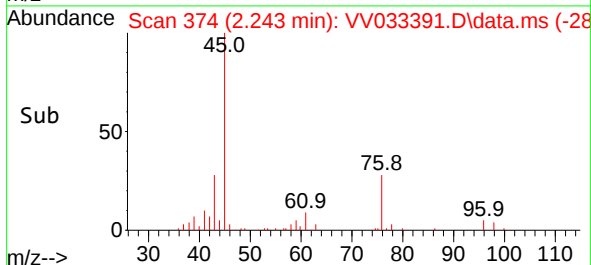
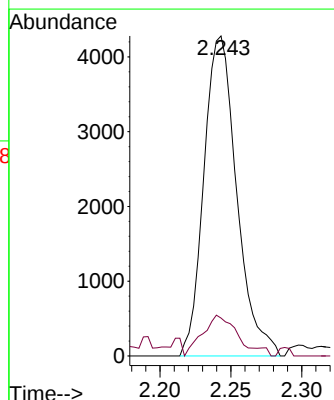
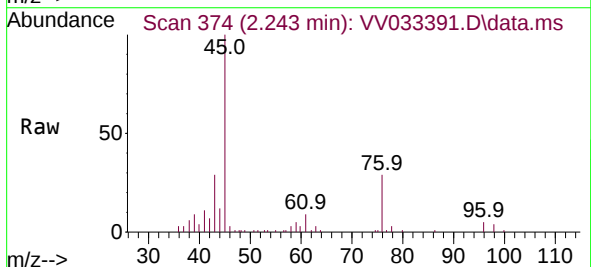
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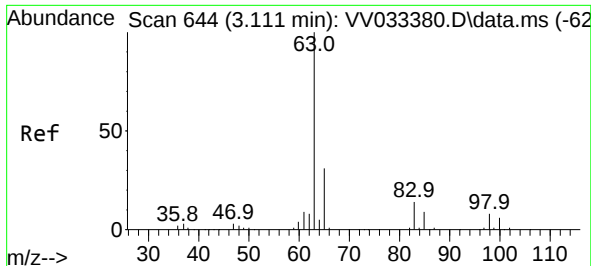
Tgt Ion: 76 Resp: 6898

Ion Ratio Lower Upper

76 100

78 11.9 7.6 11.4#





#19

1,1-Dichloroethane

Concen: 60.489 ug/L

RT: 3.111 min Scan# 644

Delta R.T. 0.000 min

Lab File: VV033391.D

Acq: 15 Dec 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

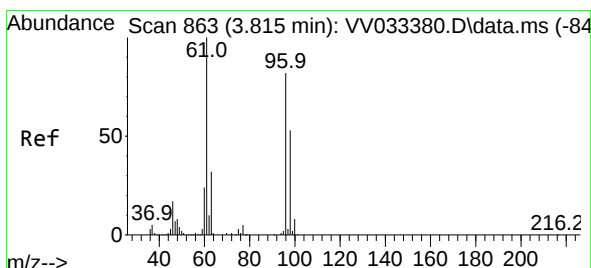
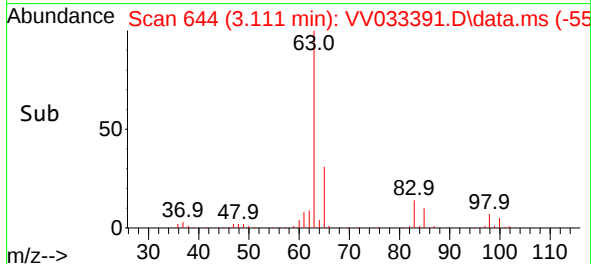
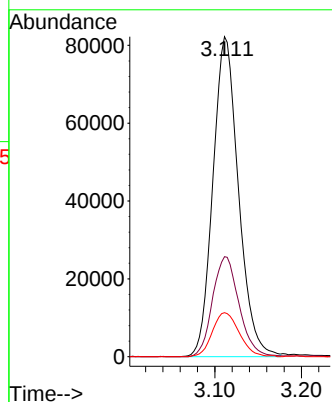
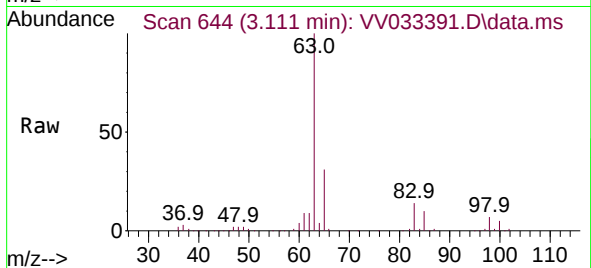
Tgt Ion: 63 Resp: 168527

Ion Ratio Lower Upper

63 100

65 31.2 21.1 39.3

83 13.8 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 22.957 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV033391.D

Acq: 15 Dec 2023 20:43

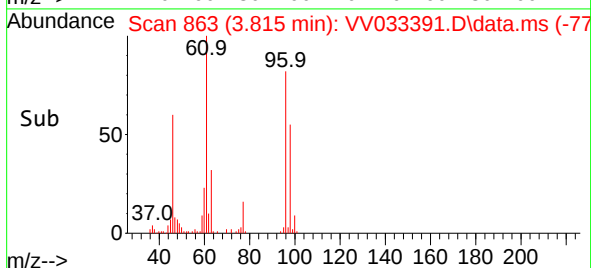
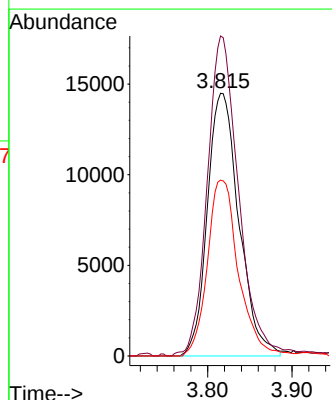
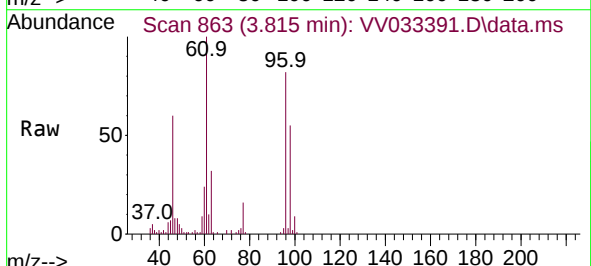
Tgt Ion: 96 Resp: 37838

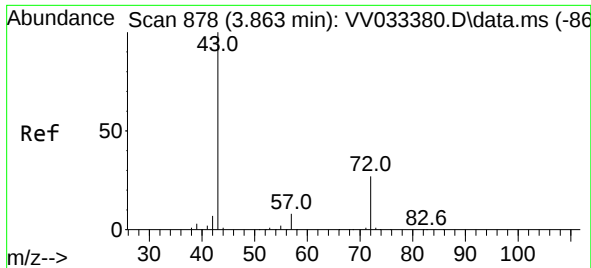
Ion Ratio Lower Upper

96 100

61 121.8 81.9 152.1

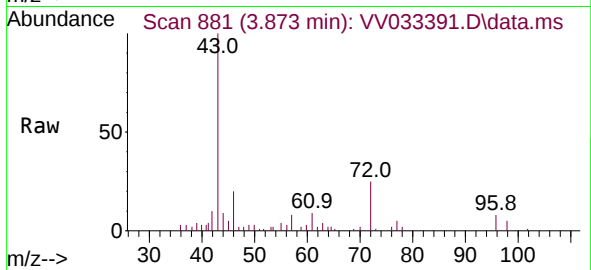
98 66.9 44.3 82.3



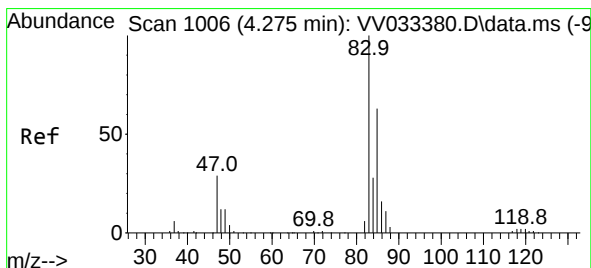
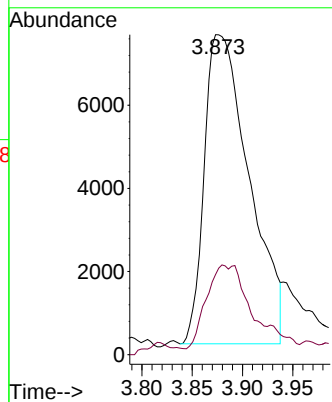
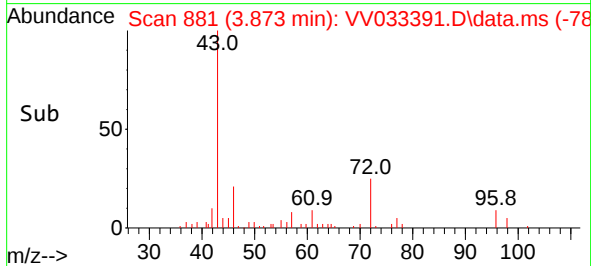


#22
2-Butanone
Concen: 23.909 ug/L
RT: 3.873 min Scan# 81
Delta R.T. 0.010 min
Lab File: VV033391.D
Acq: 15 Dec 2023 20:43

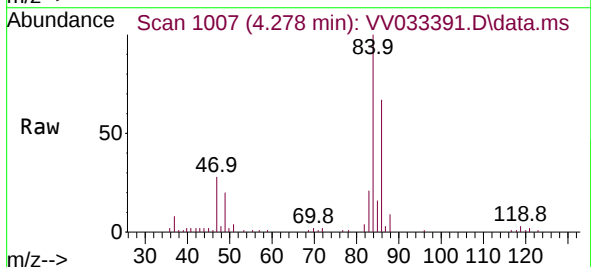
Instrument :
MSVOA_V
ClientSampleId :



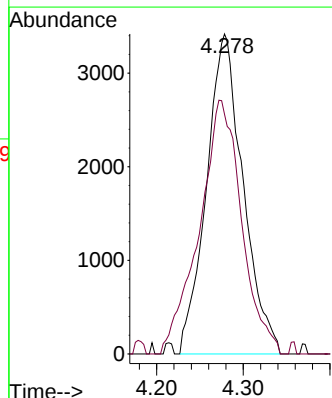
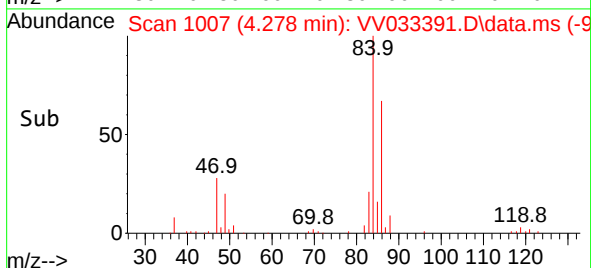
Tgt Ion: 43 Resp: 23160
Ion Ratio Lower Upper
43 100
72 13.4 12.4 37.4

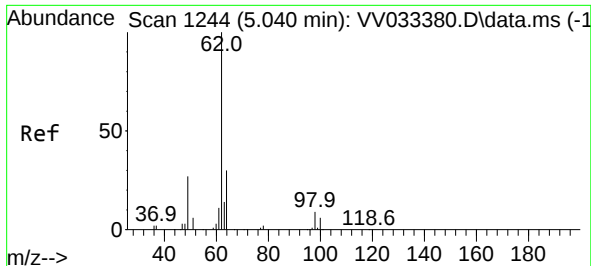


#25
Chloroform
Concen: 3.203 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.003 min
Lab File: VV033391.D
Acq: 15 Dec 2023 20:43



Tgt Ion: 83 Resp: 10044
Ion Ratio Lower Upper
83 100
85 74.9 46.1 85.7





#27

1,2-Dichloroethane

Concen: 5.081 ug/L

RT: 5.050 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV033391.D

Acq: 15 Dec 2023 20:43

Instrument :

MSVOA_V

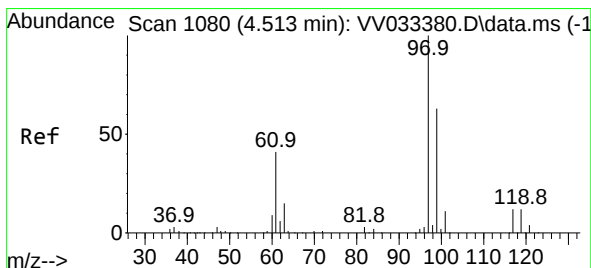
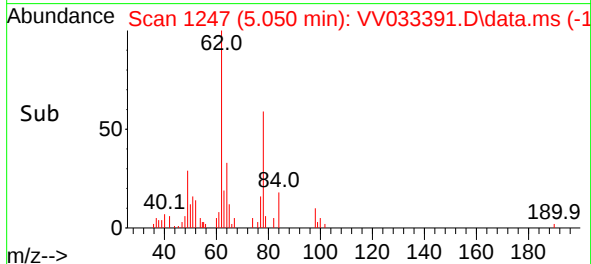
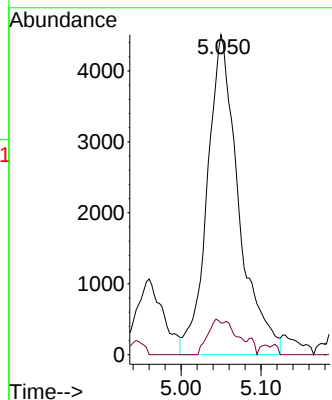
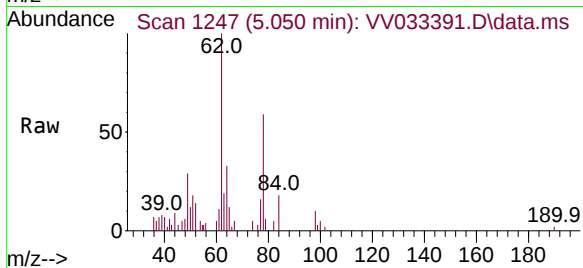
ClientSampleId :

Tgt Ion: 62 Resp: 12280

Ion Ratio Lower Upper

62 100

98 9.8 8.0 12.0



#30

1,1,1-Trichloroethane

Concen: 33.131 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.000 min

Lab File: VV033391.D

Acq: 15 Dec 2023 20:43

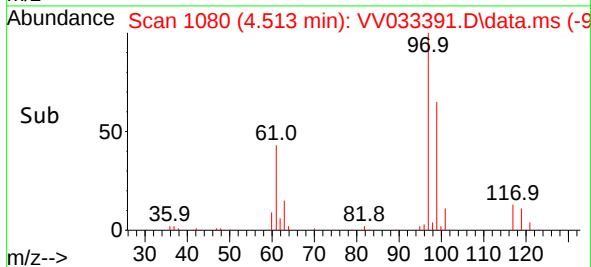
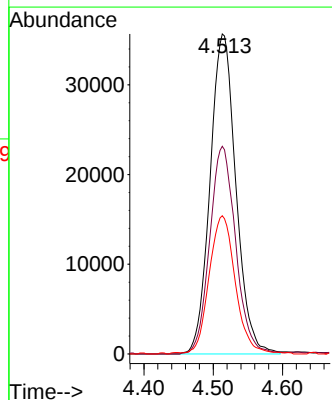
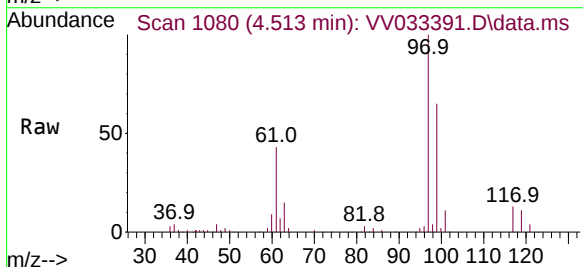
Tgt Ion: 97 Resp: 92564

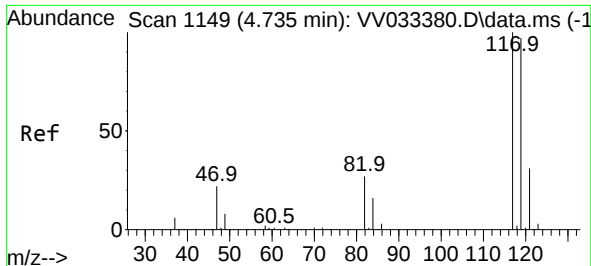
Ion Ratio Lower Upper

97 100

99 65.2 51.8 77.6

61 43.6 34.8 52.2

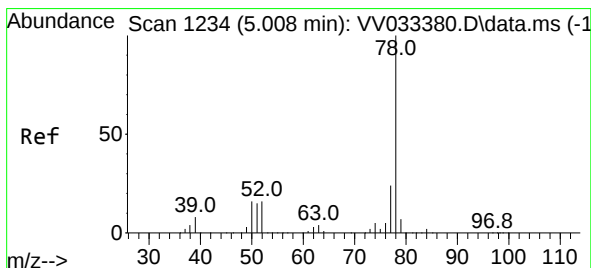
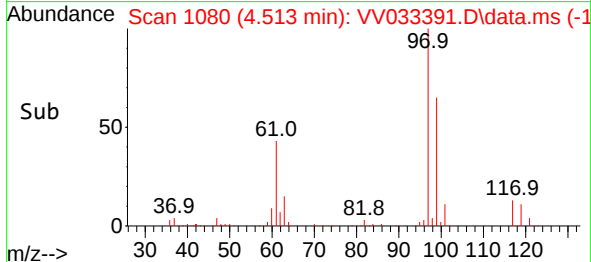
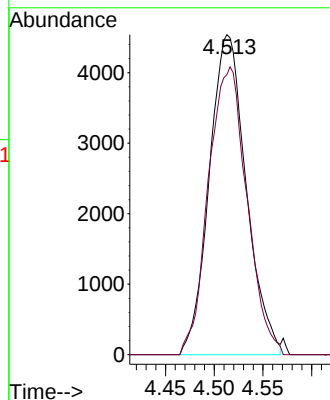
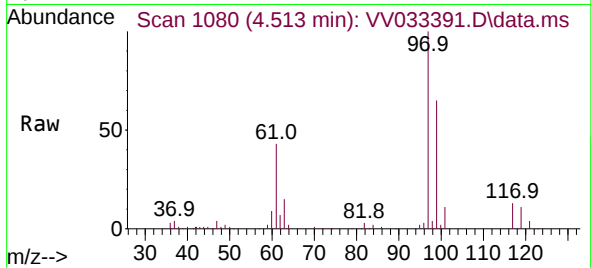




#31
Carbon tetrachloride
Concen: 4.779 ug/L
RT: 4.513 min Scan# 1149
Delta R.T. -0.222 min
Lab File: VV033391.D
Acq: 15 Dec 2023 20:43

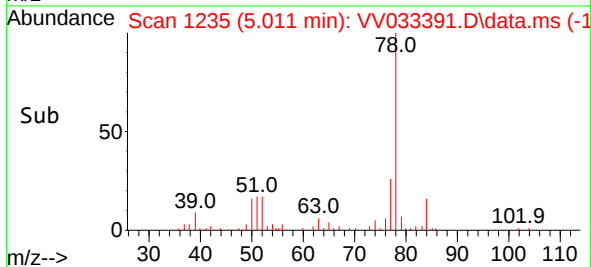
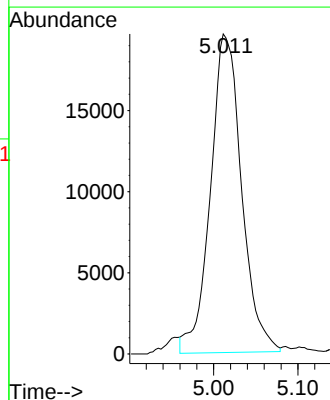
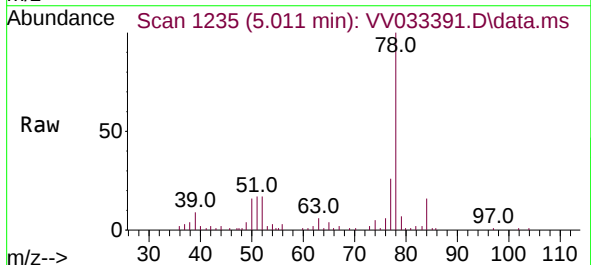
Instrument :
MSVOA_V
ClientSampleId :

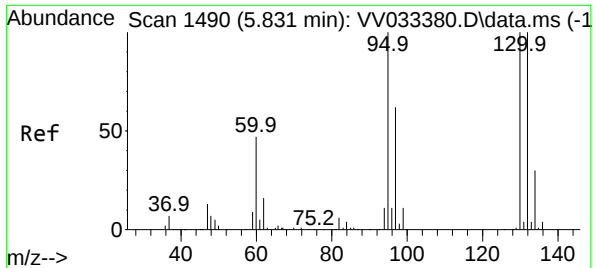
Tgt Ion:117 Resp: 11950
Ion Ratio Lower Upper
117 100
119 93.8 77.8 116.6



#33
Benzene
Concen: 8.333 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV033391.D
Acq: 15 Dec 2023 20:43

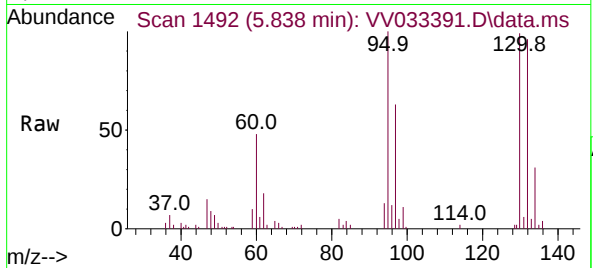
Tgt Ion: 78 Resp: 50260





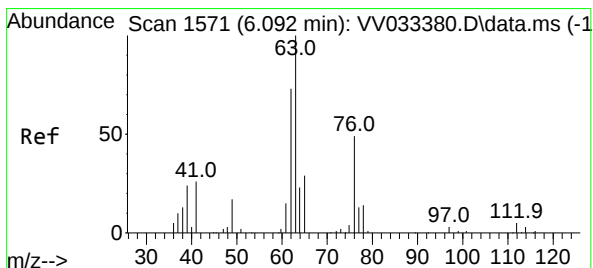
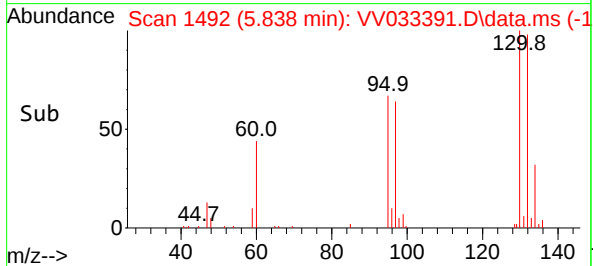
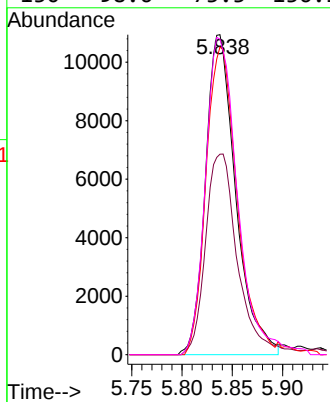
#34
 Trichloroethene
 Concen: 13.857 ug/L
 RT: 5.838 min Scan# 1492
 Delta R.T. 0.006 min
 Lab File: VV033391.D
 Acq: 15 Dec 2023 20:43

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 95 Resp: 22929

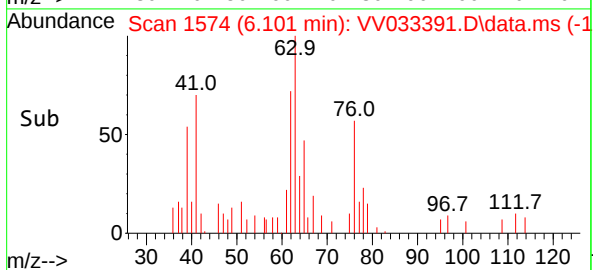
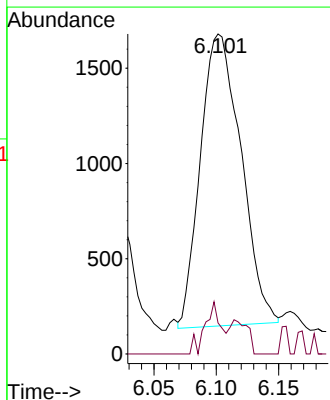
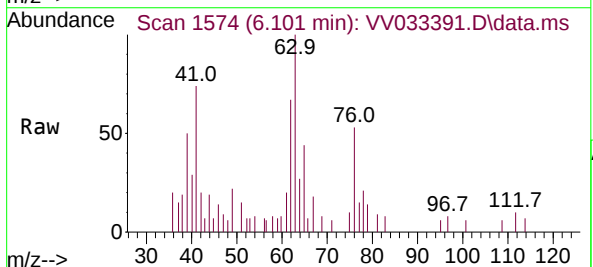
Ion	Ratio	Lower	Upper
95	100		
97	62.7	44.8	83.2
132	96.1	69.9	129.7
130	98.6	73.3	136.1

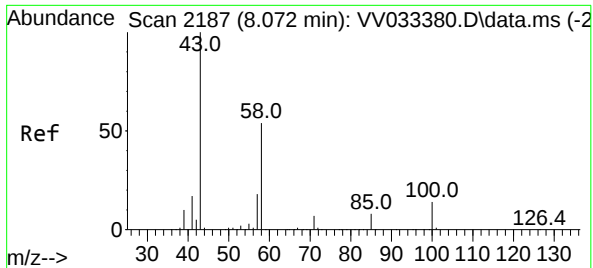


#37
 1,2-Dichloropropane
 Concen: 2.125 ug/L
 RT: 6.101 min Scan# 1574
 Delta R.T. 0.010 min
 Lab File: VV033391.D
 Acq: 15 Dec 2023 20:43

Tgt Ion: 63 Resp: 3476

Ion	Ratio	Lower	Upper
63	100		
112	6.4	3.7	5.5#





#48

2-Hexanone

Concen: 5.821 ug/L

RT: 8.024 min Scan# 21

Delta R.T. -0.048 min

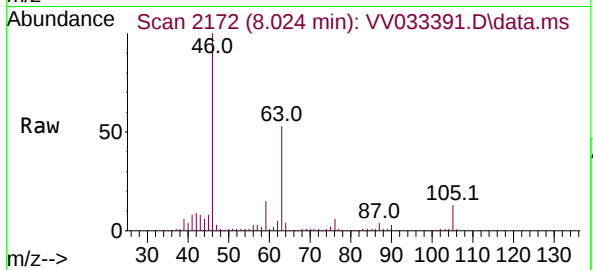
Lab File: VV033391.D

Acq: 15 Dec 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 8475

Ion Ratio Lower Upper

43 100

58 32.2 43.0 64.6#

57 26.1 14.7 22.1#

100 2.6 10.7 16.1#

