

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033393.D
 Acq On : 15 Dec 2023 21:30
 Operator : SY/MD
 Sample : 05846-14
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 00:21:01 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	226133	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	229325	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	96775	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	82032	47.106	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.220%		
7) Chloroethane-d5	1.532	69	73414	46.976	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.960%		
11) 1,1-Dichloroethene-d2	2.059	65	40670	46.916	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.840%		
21) 2-Butanone-d5	3.783	46	88748	101.119	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	101.120%		
24) Chloroform-d	4.249	84	161223	46.803	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.600%		
26) 1,2-Dichloroethane-d4	4.940	65	102348	48.366	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.740%		
32) Benzene-d6	4.960	84	298386	48.310	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.620%		
36) 1,2-Dichloropropane-d6	5.989	67	92785	49.497	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.000%		
41) Toluene-d8	7.243	98	255729	45.249	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.500%		
43) trans-1,3-Dichloroprop...	7.554	79	41021	44.651	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.300%		
47) 2-Hexanone-d5	8.024	63	59941	95.069	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.070%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	127131	47.187	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.380%		
66) 1,2-Dichlorobenzene-d4	11.561	152	101216	55.657	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	111.320%		
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	20063	10.942	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	7286	3.884	ug/L #	78
12) 1,1-Dichloroethene	2.069	96	602792	378.274	ug/L #	66
13) Acetone	2.111	43	40153	39.413	ug/L	97
14) Carbon disulfide	2.243	76	4110	1.009	ug/L #	89
19) 1,1-Dichloroethane	3.111	63	46786	16.207	ug/L	94
20) cis-1,2-Dichloroethene	3.815	96	79737	46.691	ug/L	97
22) 2-Butanone	3.873	43	32980	32.858	ug/L	96
25) Chloroform	4.272	83	7767	2.391	ug/L	88
27) 1,2-Dichloroethane	5.046	62	45743	18.266	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	99479	35.134	ug/L	98
33) Benzene	5.018	78	9310	1.523	ug/L	100
34) Trichloroethene	5.834	95	55508	33.101	ug/L	97
37) 1,2-Dichloropropane	6.101	63	3913	2.361	ug/L	99
39) cis-1,3-Dichloropropene	6.911	75	2891	1.199	ug/L	85
44) trans-1,3-Dichloropropene	7.551	75	1977	0.817	ug/L	99
46) Tetrachloroethene	7.915	164	1759	1.342	ug/L	95

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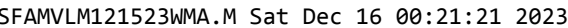
Instrument :
MSVOA_V
ClientSampleId :

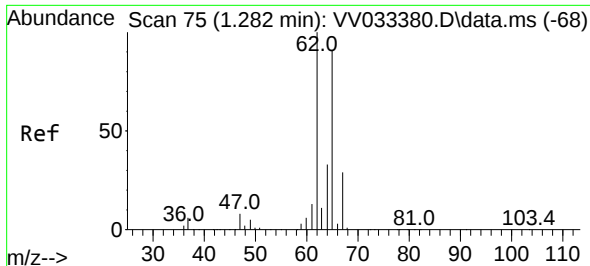
Quant Time: Dec 16 00:21:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 15 23:24:47 2023
Response via : Initial Calibration

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

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

Quant Time: Dec 16 00:21:01 2023
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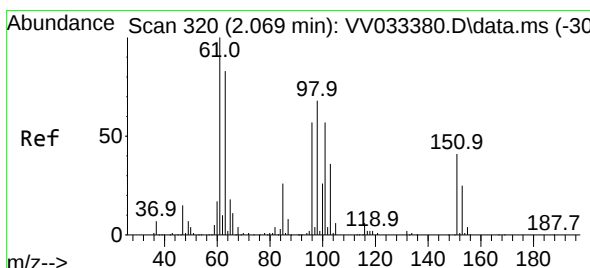
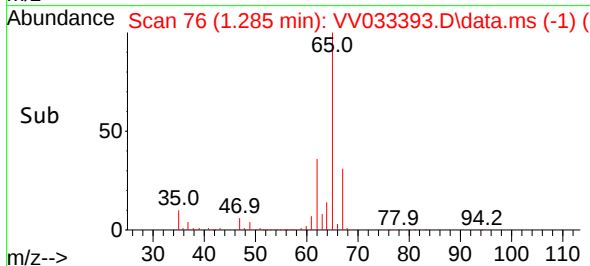
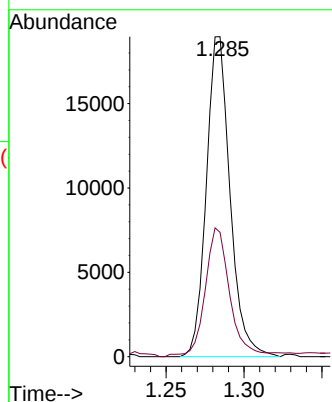
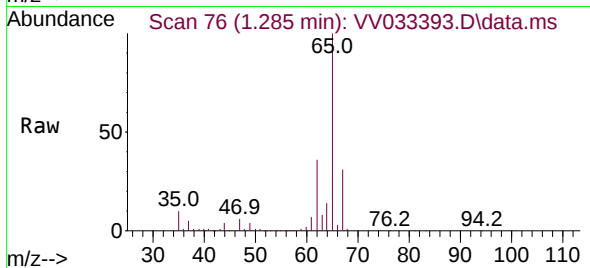
#5
 Vinyl chloride
 Concen: 10.942 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV033393.D
 Acq: 15 Dec 2023 21:30

Instrument :

MSVOA_V

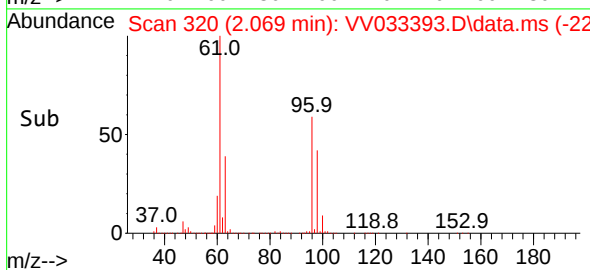
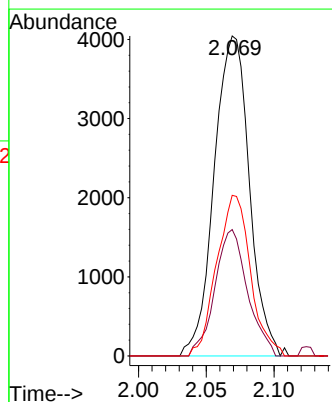
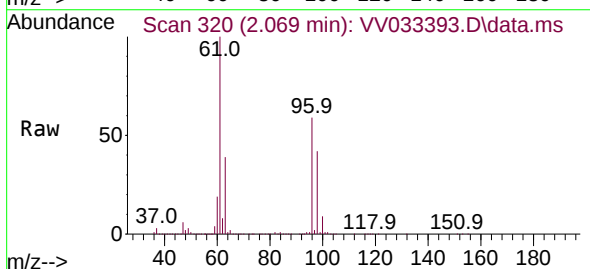
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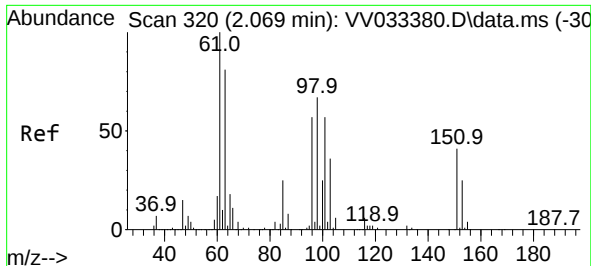
Tgt Ion: 62 Resp: 20063
 Ion Ratio Lower Upper
 62 100
 64 38.8 23.4 43.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.884 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033393.D
 Acq: 15 Dec 2023 21:30

Tgt Ion: 101 Resp: 7286
 Ion Ratio Lower Upper
 101 100
 85 36.7 36.6 54.8
 151 48.4 57.0 85.6#





#12

1,1-Dichloroethene

Concen: 378.274 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033393.D

Acq: 15 Dec 2023 21:30

Instrument :

MSVOA_V

ClientSampleId :

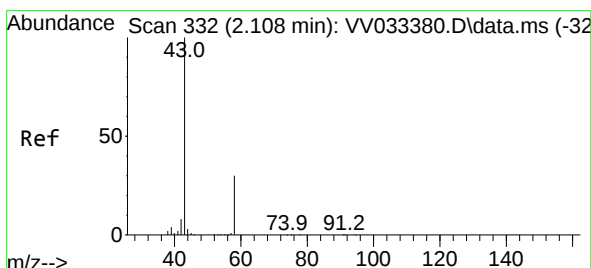
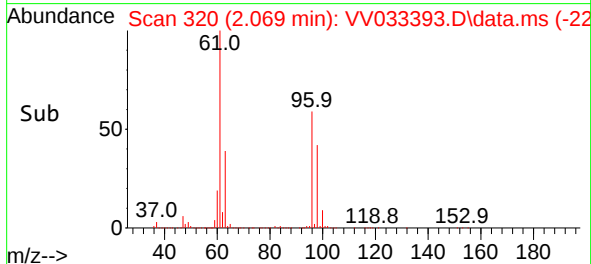
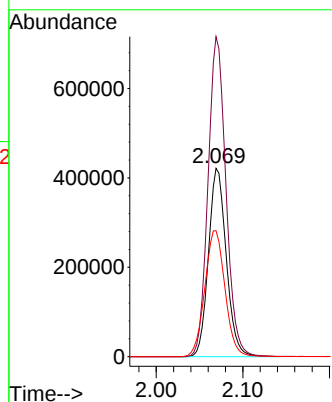
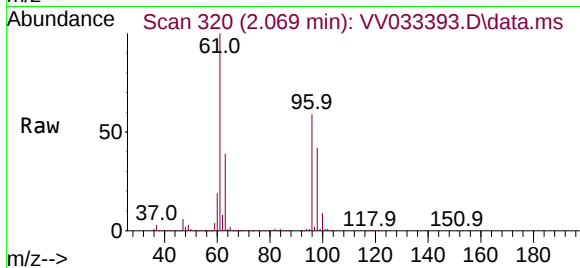
Tgt Ion: 96 Resp: 602792

Ion Ratio Lower Upper

96 100

61 169.9 124.3 230.8

63 66.9 108.1 200.7#



#13

Acetone

Concen: 39.413 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.003 min

Lab File: VV033393.D

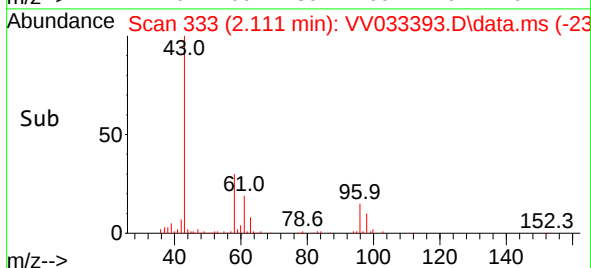
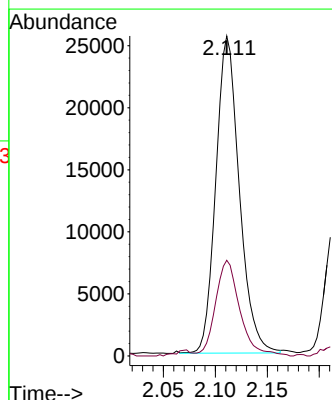
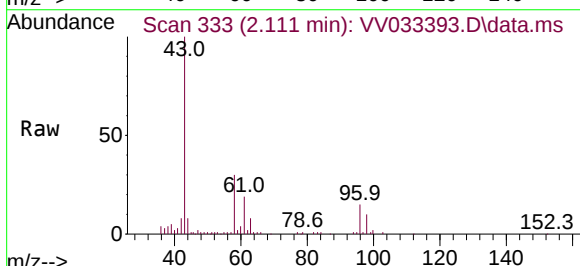
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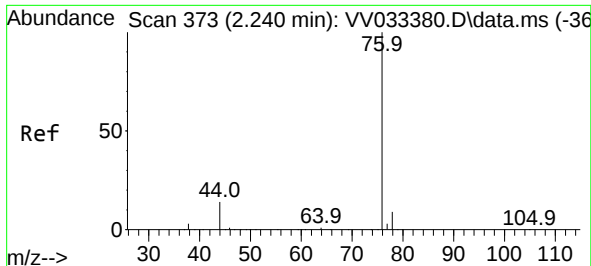
Tgt Ion: 43 Resp: 40153

Ion Ratio Lower Upper

43 100

58 31.3 0.0 59.2

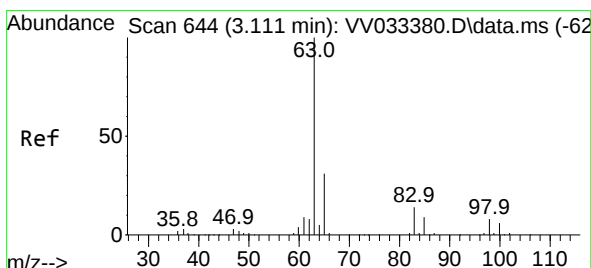
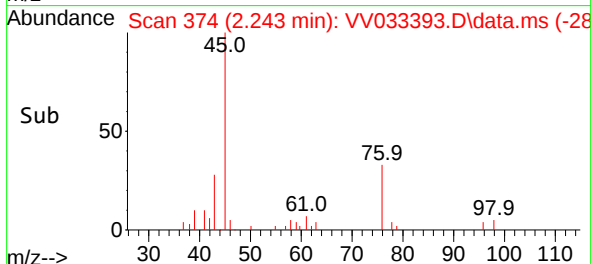
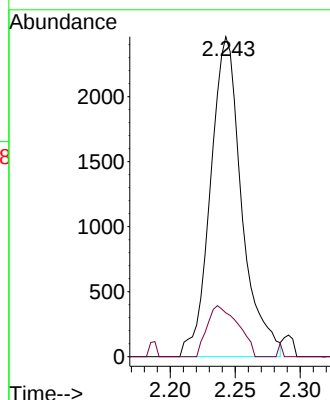
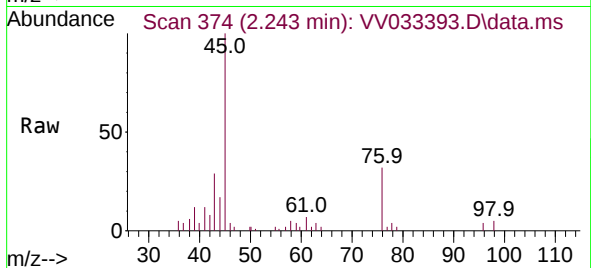




#14
Carbon disulfide
Concen: 1.009 ug/L
RT: 2.243 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV033393.D
Acq: 15 Dec 2023 21:30

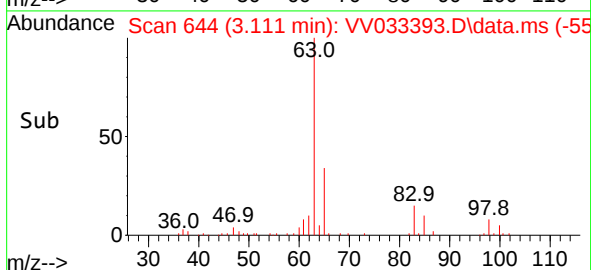
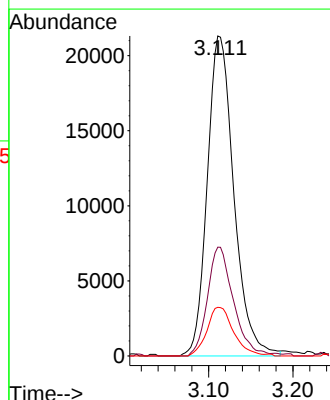
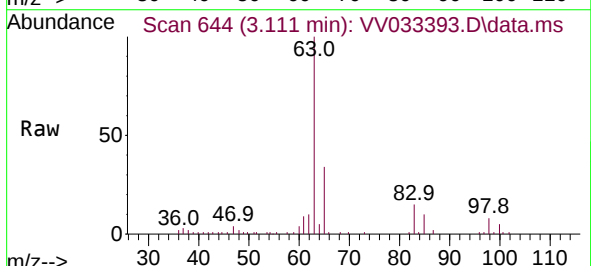
Instrument :
MSVOA_V
ClientSampleId :

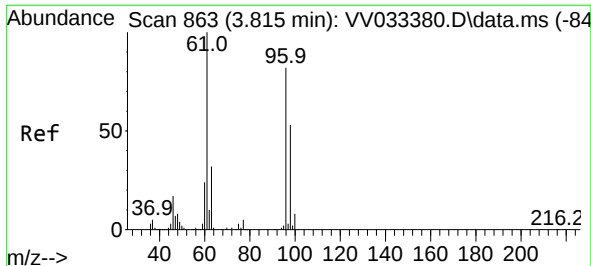
Tgt Ion: 76 Resp: 4110
Ion Ratio Lower Upper
76 100
78 13.7 7.6 11.4#



#19
1,1-Dichloroethane
Concen: 16.207 ug/L
RT: 3.111 min Scan# 644
Delta R.T. -0.000 min
Lab File: VV033393.D
Acq: 15 Dec 2023 21:30

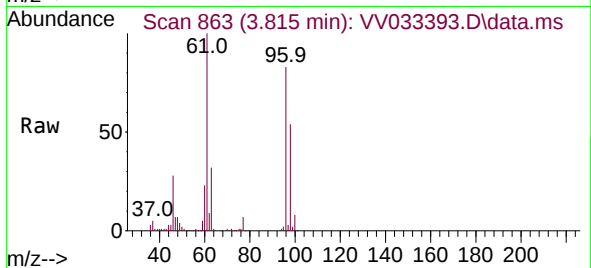
Tgt Ion: 63 Resp: 46786
Ion Ratio Lower Upper
63 100
65 34.0 21.1 39.3
83 15.2 9.7 17.9





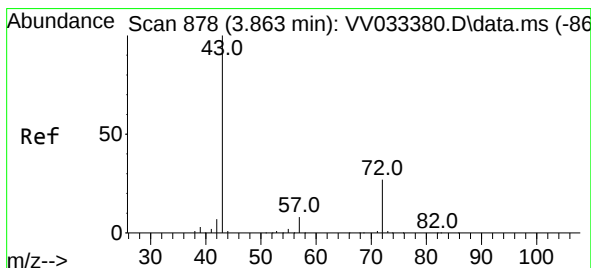
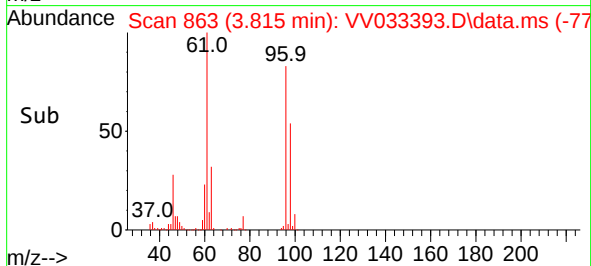
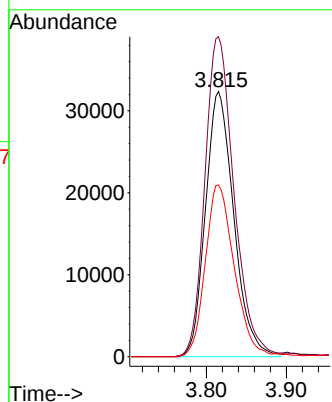
#20
cis-1,2-Dichloroethene
Concen: 46.691 ug/L
RT: 3.815 min Scan# 80
Delta R.T. -0.000 min
Lab File: VV033393.D
Acq: 15 Dec 2023 21:30

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 79737

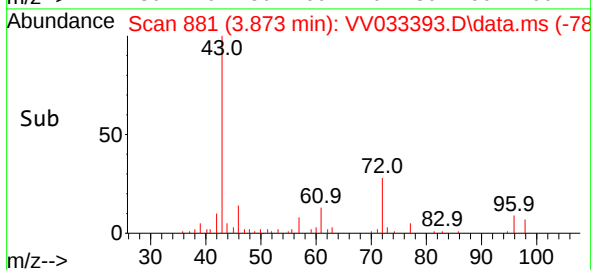
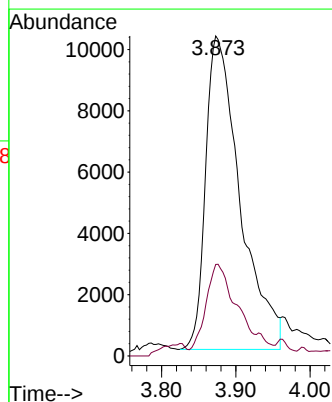
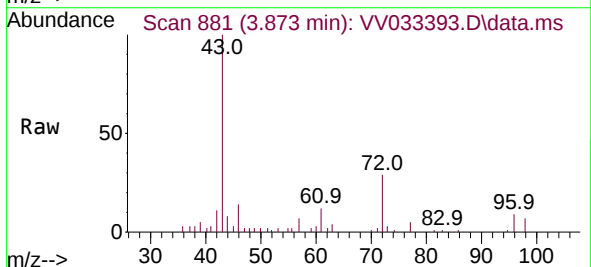
Ion	Ratio	Lower	Upper
96	100		
61	120.7	81.9	152.1
98	64.8	44.3	82.3

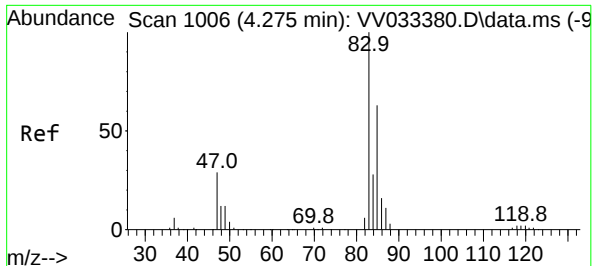


#22
2-Butanone
Concen: 32.858 ug/L
RT: 3.873 min Scan# 881
Delta R.T. 0.009 min
Lab File: VV033393.D
Acq: 15 Dec 2023 21:30

Tgt Ion: 43 Resp: 32980

Ion	Ratio	Lower	Upper
43	100		
72	23.1	12.4	37.4

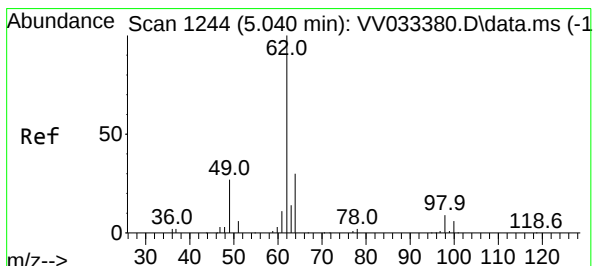
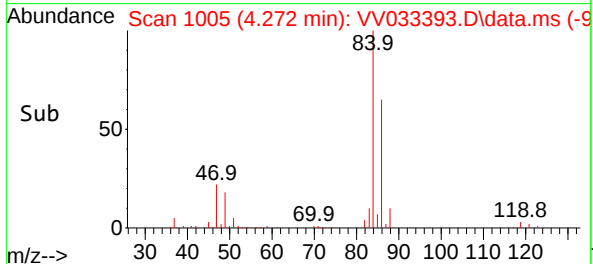
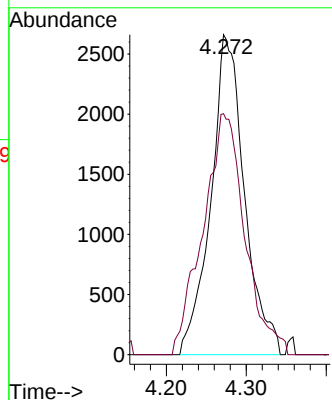
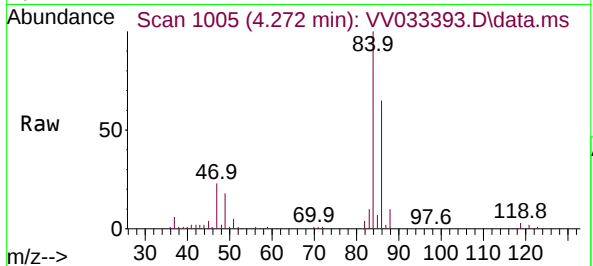




#25
Chloroform
Concen: 2.391 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. -0.003 min
Lab File: VV033393.D
Acq: 15 Dec 2023 21:30

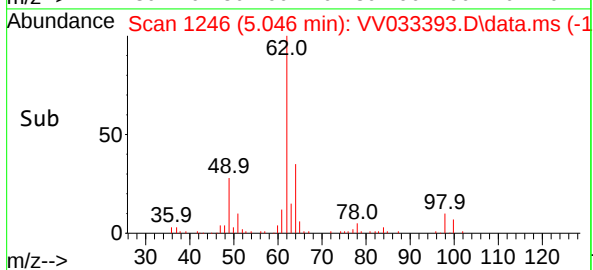
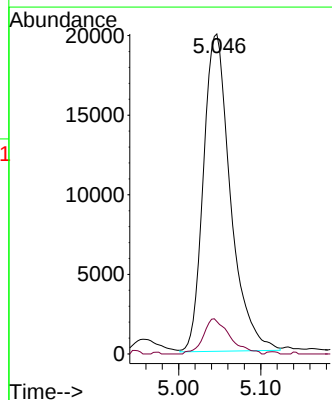
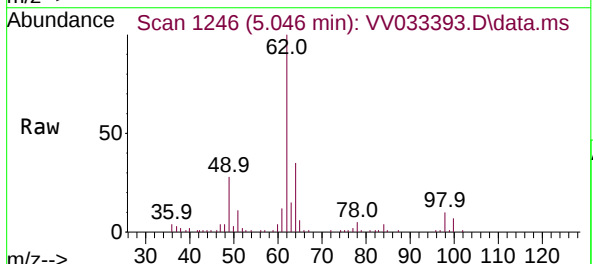
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MSVOA_V
ClientSampleId :

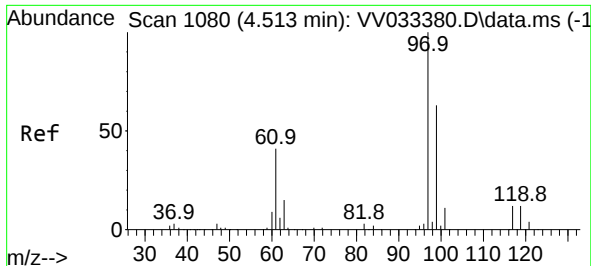
Tgt Ion: 83 Resp: 7767
Ion Ratio Lower Upper
83 100
85 75.3 46.1 85.7



#27
1,2-Dichloroethane
Concen: 18.266 ug/L
RT: 5.046 min Scan# 1246
Delta R.T. 0.006 min
Lab File: VV033393.D
Acq: 15 Dec 2023 21:30

Tgt Ion: 62 Resp: 45743
Ion Ratio Lower Upper
62 100
98 10.1 8.0 12.0

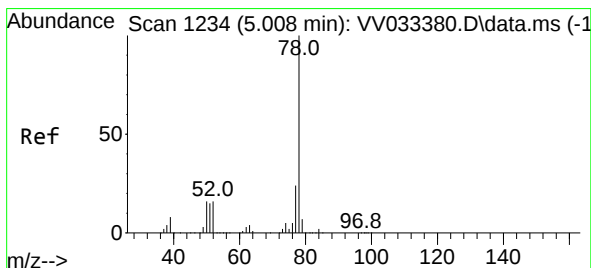
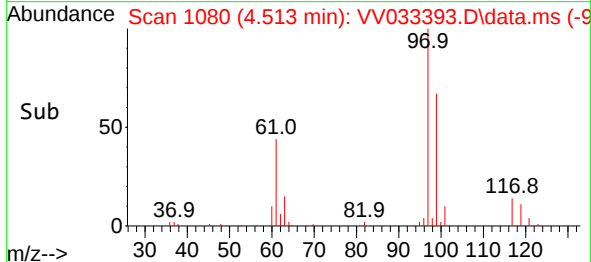
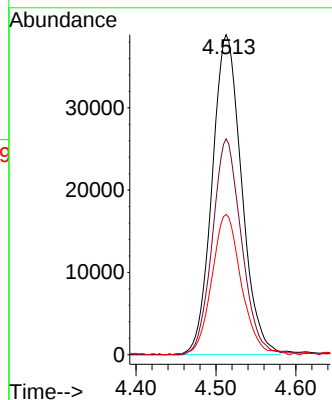
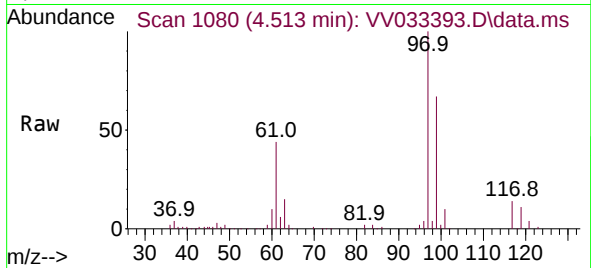




#30
1,1,1-Trichloroethane
Concen: 35.134 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV033393.D
Acq: 15 Dec 2023 21:30

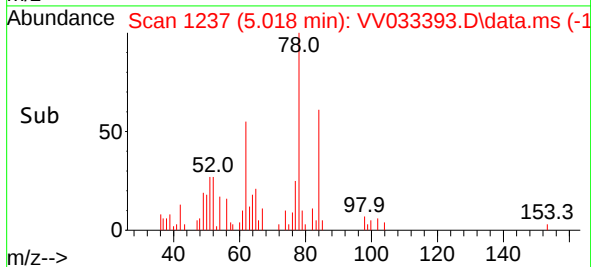
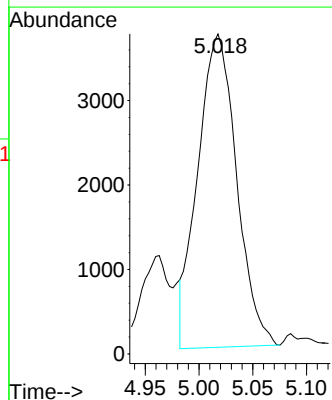
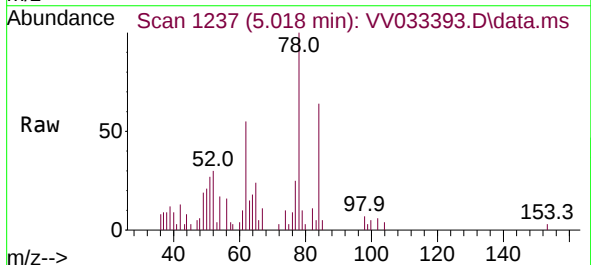
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MSVOA_V
ClientSampleId :

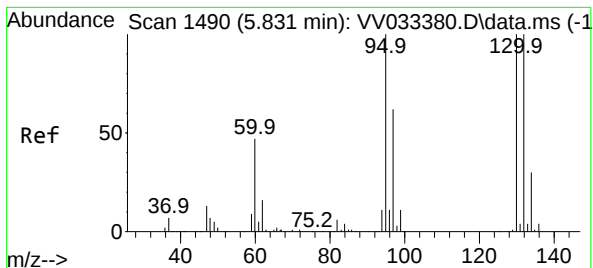
Tgt Ion: 97 Resp: 99479
Ion Ratio Lower Upper
97 100
99 66.5 51.8 77.6
61 42.6 34.8 52.2



#33
Benzene
Concen: 1.523 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.009 min
Lab File: VV033393.D
Acq: 15 Dec 2023 21:30

Tgt Ion: 78 Resp: 9310





#34

Trichloroethene

Concen: 33.101 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV033393.D

Acq: 15 Dec 2023 21:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 55508

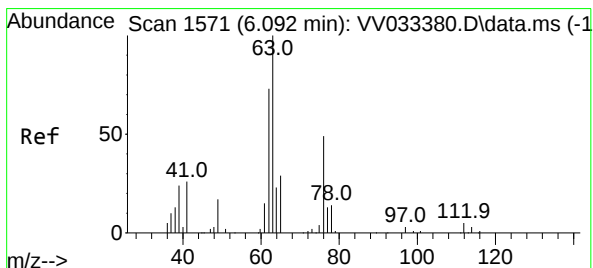
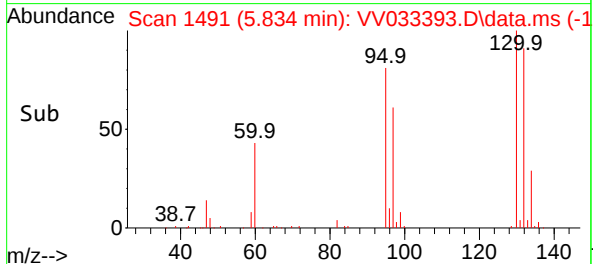
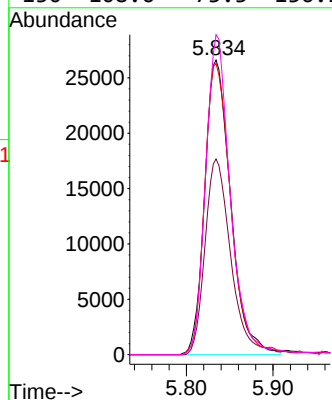
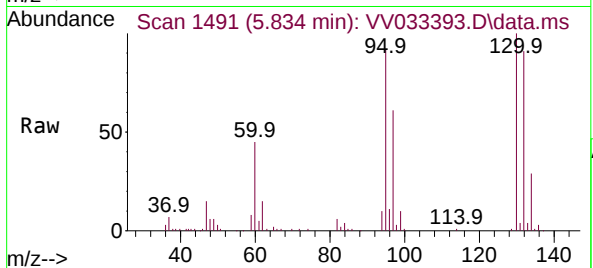
Ion Ratio Lower Upper

95 100

97 66.4 44.8 83.2

132 98.9 69.9 129.7

130 108.6 73.3 136.1



#37

1,2-Dichloropropane

Concen: 2.361 ug/L

RT: 6.101 min Scan# 1574

Delta R.T. 0.009 min

Lab File: VV033393.D

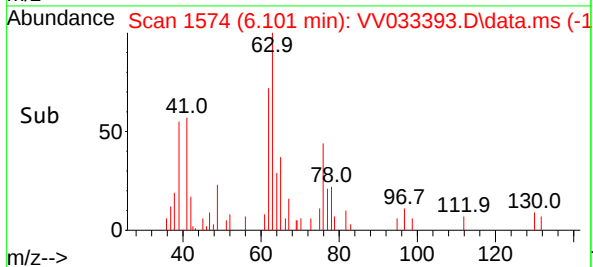
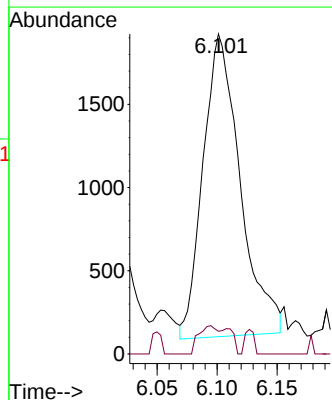
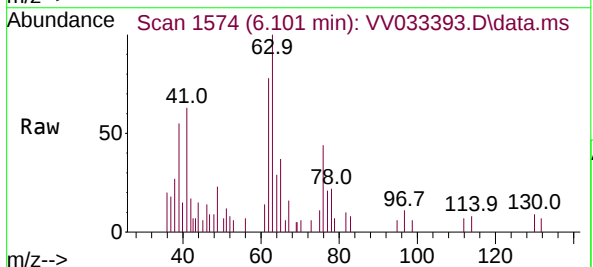
Acq: 15 Dec 2023 21:30

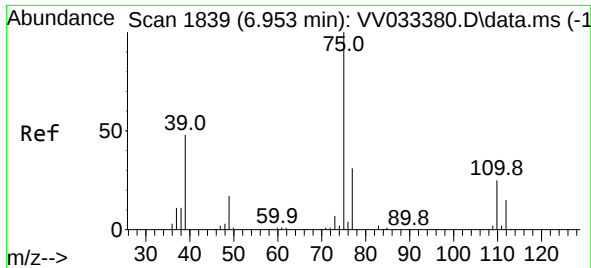
Tgt Ion: 63 Resp: 3913

Ion Ratio Lower Upper

63 100

112 4.9 3.7 5.5





#39

cis-1,3-Dichloropropene

Concen: 1.199 ug/L

RT: 6.911 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV033393.D

Acq: 15 Dec 2023 21:30

Instrument :

MSVOA_V

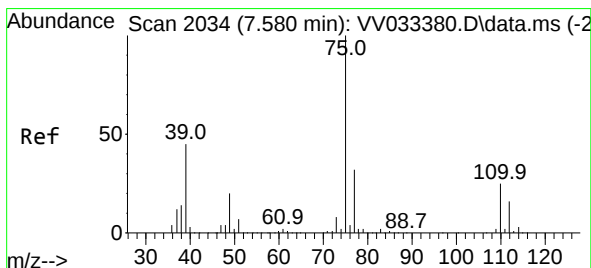
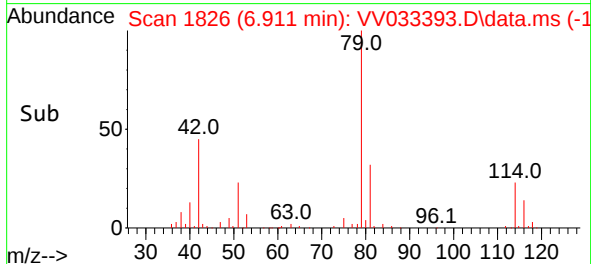
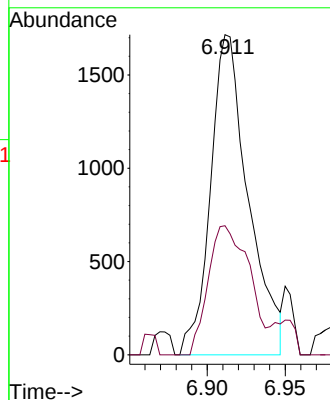
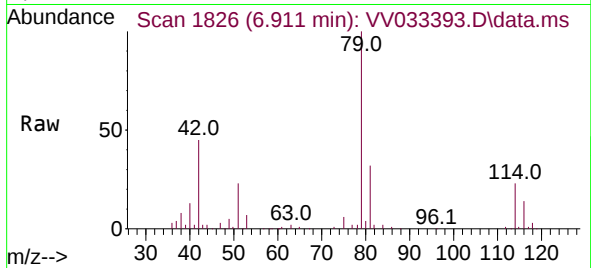
ClientSampleId :

Tgt Ion: 75 Resp: 2891

Ion Ratio Lower Upper

75 100

77 40.3 22.3 41.3



#44

trans-1,3-Dichloropropene

Concen: 0.817 ug/L

RT: 7.551 min Scan# 2025

Delta R.T. -0.029 min

Lab File: VV033393.D

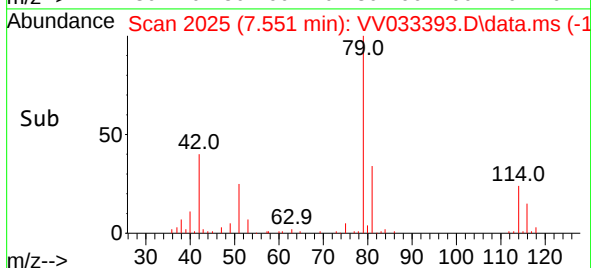
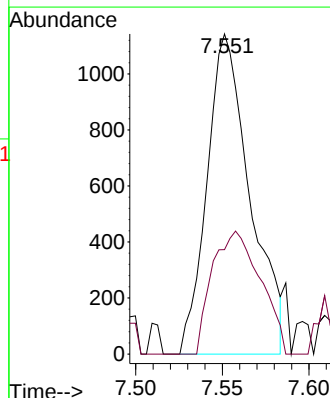
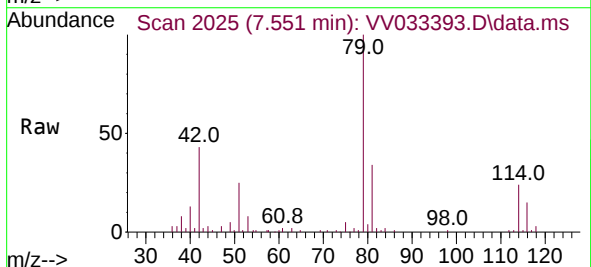
Acq: 15 Dec 2023 21:30

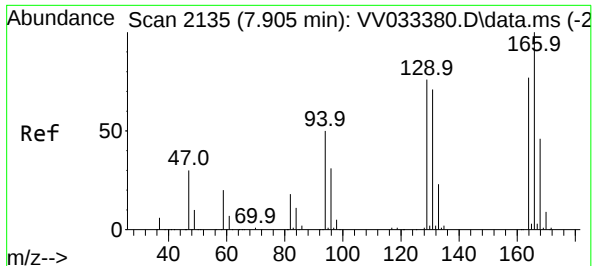
Tgt Ion: 75 Resp: 1977

Ion Ratio Lower Upper

75 100

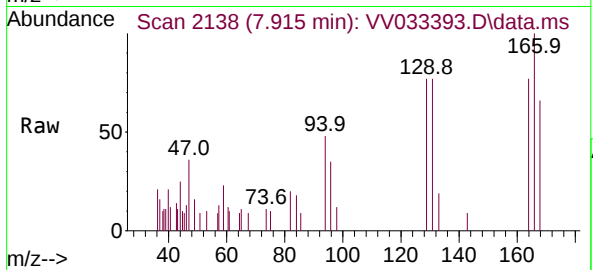
77 32.6 22.4 41.6





#46
 Tetrachloroethene
 Concen: 1.342 ug/L
 RT: 7.915 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: VV033393.D
 Acq: 15 Dec 2023 21:30

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	164	Resp:	1759
Ion	Ratio	Lower	Upper
164	100		
129	99.8	68.9	127.9
131	100.4	65.3	121.3
166	129.7	86.9	161.3

