

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033392.D
 Acq On : 15 Dec 2023 21:07
 Operator : SY/MD
 Sample : 05846-13
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 00:20:18 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)

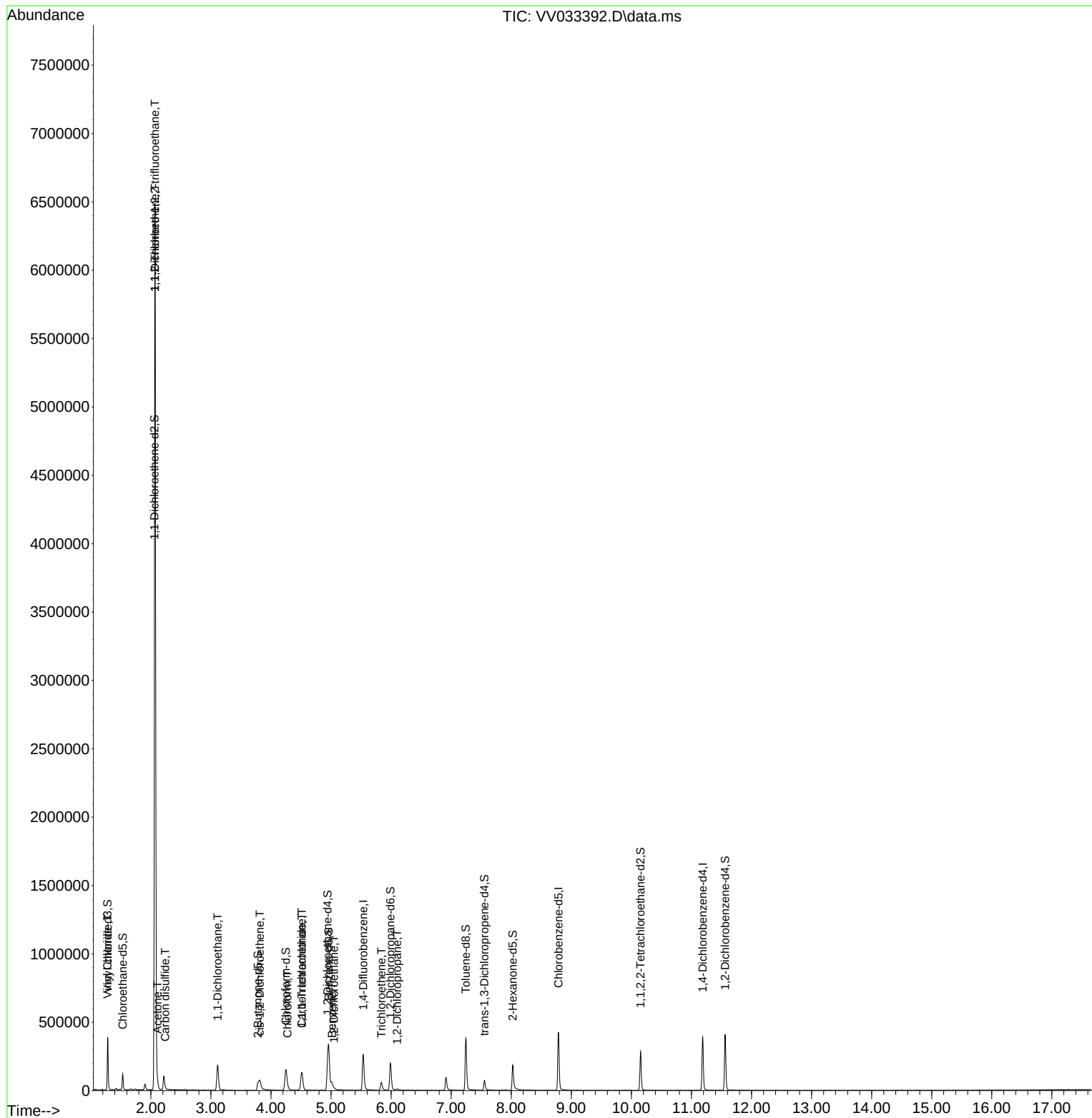
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	223954	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	232956	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	98364	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	82691	47.947	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.900%		
7) Chloroethane-d5	1.532	69	73339	47.385	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.780%		
11) 1,1-Dichloroethene-d2	2.060	65	43050	50.144	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.280%		
21) 2-Butanone-d5	3.780	46	89958	103.495	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.490%		
24) Chloroform-d	4.246	84	157693	46.224	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.440%		
26) 1,2-Dichloroethane-d4	4.940	65	101522	48.442	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.880%		
32) Benzene-d6	4.960	84	293749	46.818	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.640%		
36) 1,2-Dichloropropane-d6	5.989	67	91519	48.061	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.120%		
41) Toluene-d8	7.243	98	251167	43.749	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.500%		
43) trans-1,3-Dichloroprop...	7.555	79	39165	41.967	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.940%		
47) 2-Hexanone-d5	8.024	63	58852	91.887	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.890%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	129531	47.328	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.660%		
66) 1,2-Dichlorobenzene-d4	11.561	152	99017	53.568	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.140%		
Target Compounds						Qvalue
5) Vinyl chloride	1.281	62	163106	89.820	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	15058	8.106	ug/L #	80
12) 1,1-Dichloroethene	2.069	96	1802864	1142.371	ug/L #	63
13) Acetone	2.111	43	40177	39.821	ug/L	96
14) Carbon disulfide	2.240	76	5527	1.370	ug/L #	86
19) 1,1-Dichloroethane	3.111	63	177825	62.199	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	33176	19.615	ug/L	99
25) Chloroform	4.275	83	10105	3.141	ug/L	93
27) 1,2-Dichloroethane	5.050	62	9432	3.803	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	108682	37.786	ug/L	99
31) Carbon tetrachloride	4.513	117	13784	5.355	ug/L	100
33) Benzene	5.014	78	53323	8.588	ug/L	100
34) Trichloroethene	5.838	95	19664	11.544	ug/L	97
37) 1,2-Dichloropropane	6.098	63	1585	0.941	ug/L #	76

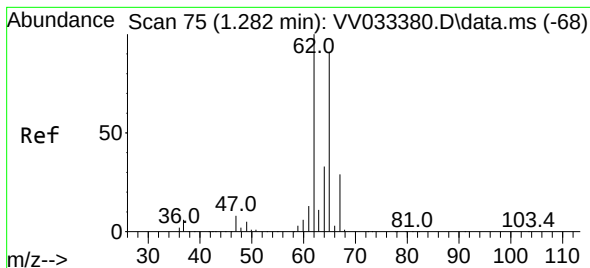
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 89.820 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.000 min

Lab File: VV033392.D

Acq: 15 Dec 2023 21:07

Instrument :

MSVOA_V

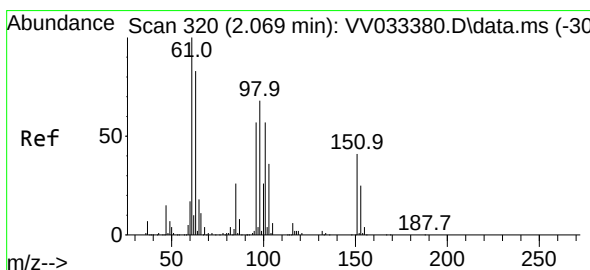
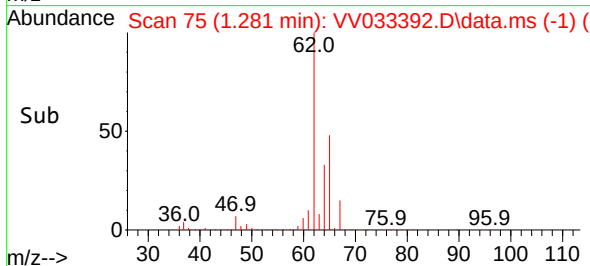
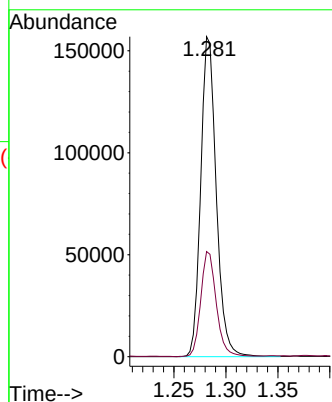
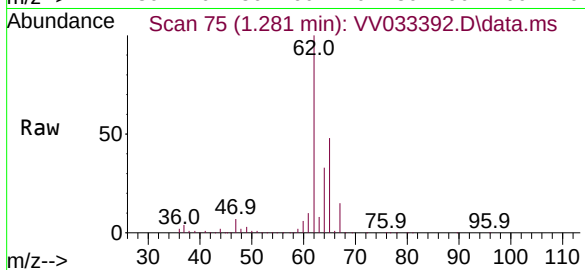
ClientSampleId :

Tgt Ion: 62 Resp: 163106

Ion Ratio Lower Upper

62 100

64 32.9 23.4 43.6



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 8.106 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV033392.D

Acq: 15 Dec 2023 21:07

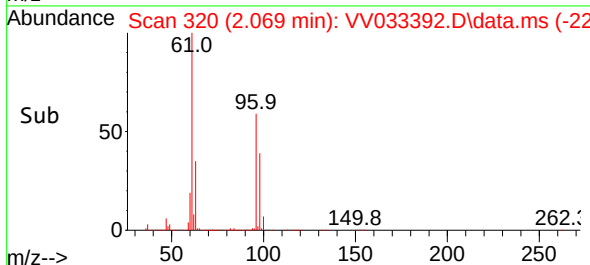
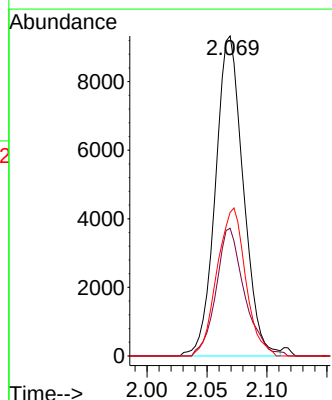
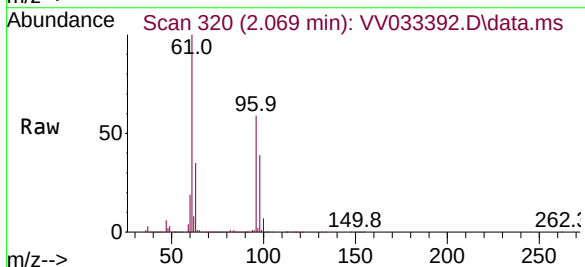
Tgt Ion: 101 Resp: 15058

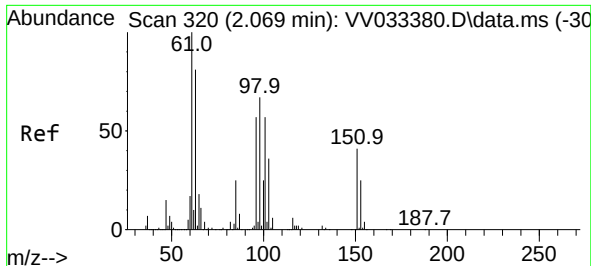
Ion Ratio Lower Upper

101 100

85 40.7 36.6 54.8

151 47.5 57.0 85.6#





#12

1,1-Dichloroethene

Concen: 1142.371 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033392.D

Acq: 15 Dec 2023 21:07

Instrument :

MSVOA_V

ClientSampleId :

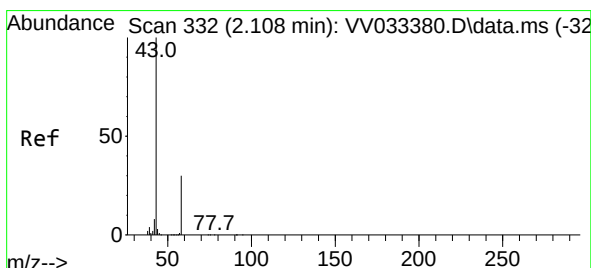
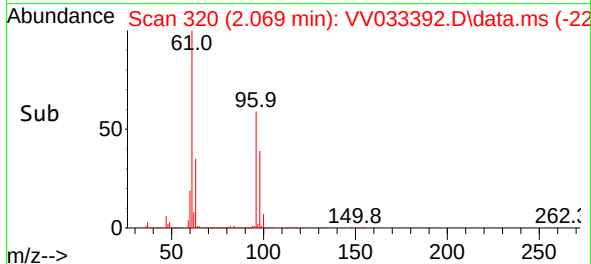
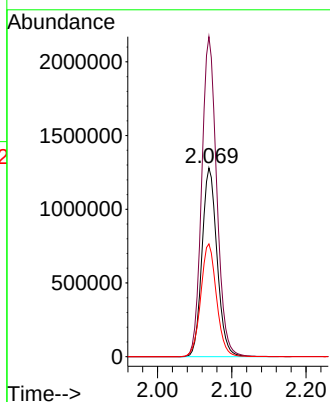
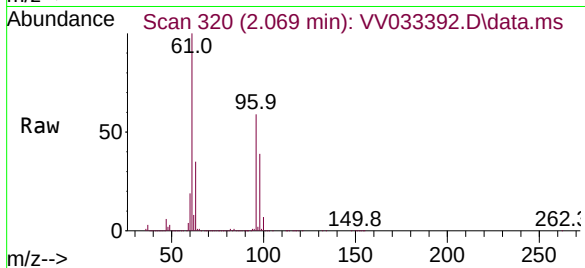
Tgt Ion: 96 Resp: 1802864

Ion Ratio Lower Upper

96 100

61 169.5 124.3 230.8

63 59.8 108.1 200.7#



#13

Acetone

Concen: 39.821 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.003 min

Lab File: VV033392.D

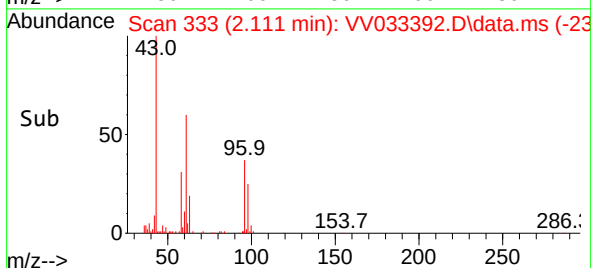
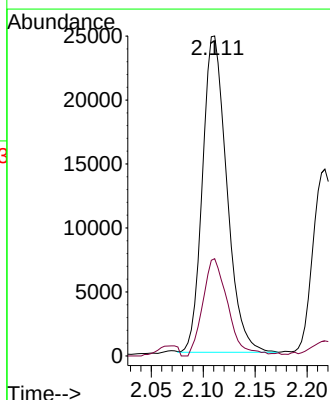
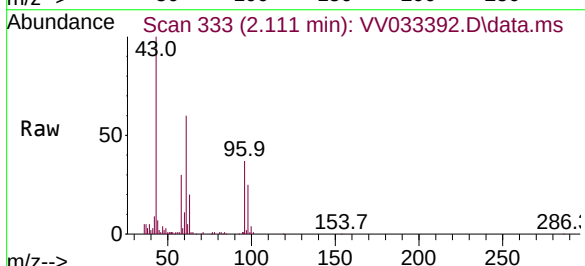
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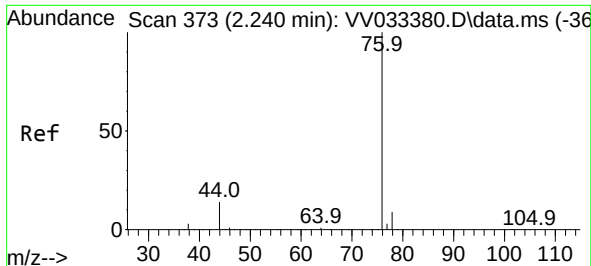
Tgt Ion: 43 Resp: 40177

Ion Ratio Lower Upper

43 100

58 31.6 0.0 59.2

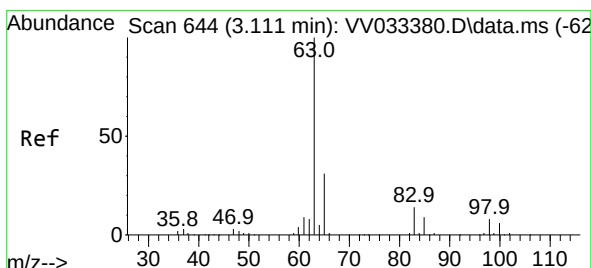
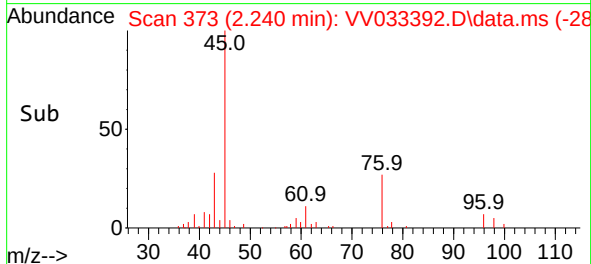
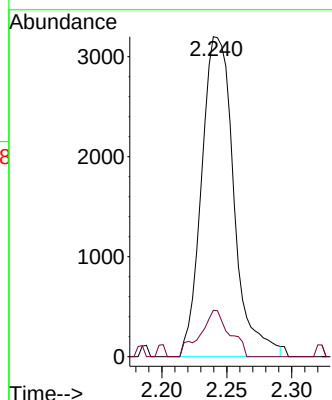
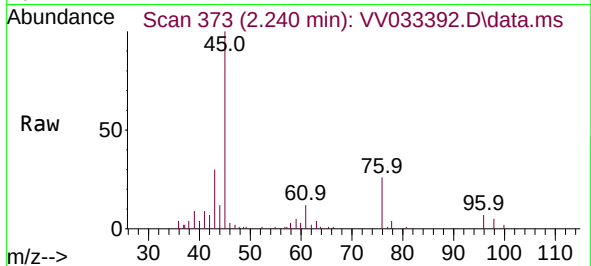




#14
Carbon disulfide
Concen: 1.370 ug/L
RT: 2.240 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV033392.D
Acq: 15 Dec 2023 21:07

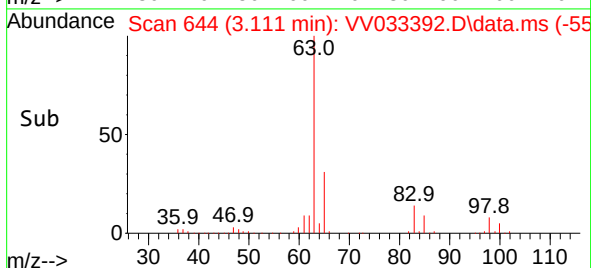
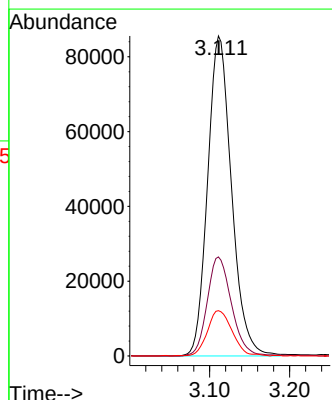
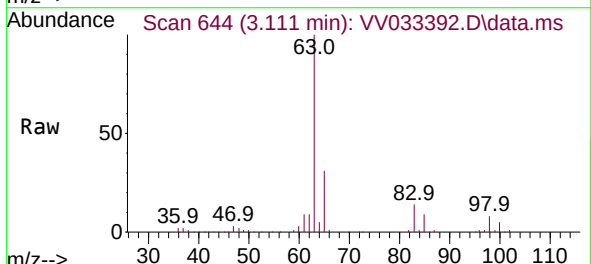
Instrument :
MSVOA_V
ClientSampleId :

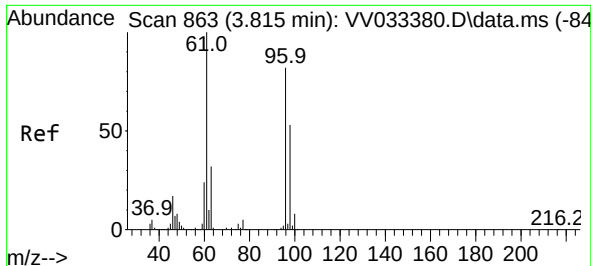
Tgt Ion: 76 Resp: 5527
Ion Ratio Lower Upper
76 100
78 14.5 7.6 11.4#



#19
1,1-Dichloroethane
Concen: 62.199 ug/L
RT: 3.111 min Scan# 644
Delta R.T. -0.000 min
Lab File: VV033392.D
Acq: 15 Dec 2023 21:07

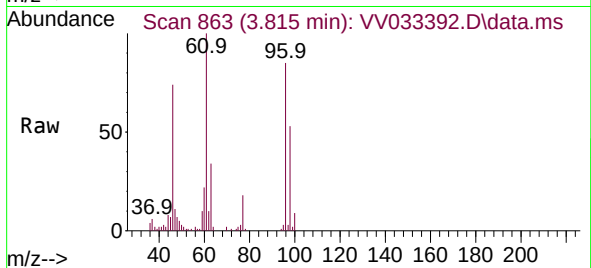
Tgt Ion: 63 Resp: 177825
Ion Ratio Lower Upper
63 100
65 30.9 21.1 39.3
83 14.2 9.7 17.9





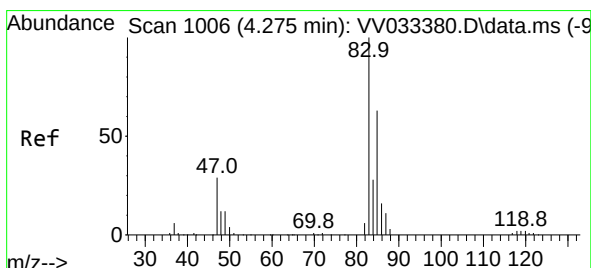
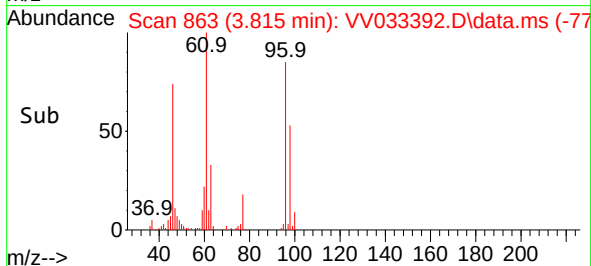
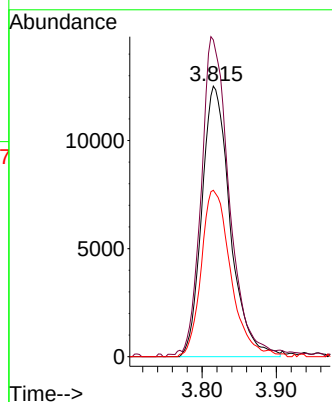
#20
cis-1,2-Dichloroethene
Concen: 19.615 ug/L
RT: 3.815 min Scan# 863
Delta R.T. -0.000 min
Lab File: VV033392.D
Acq: 15 Dec 2023 21:07

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 33176

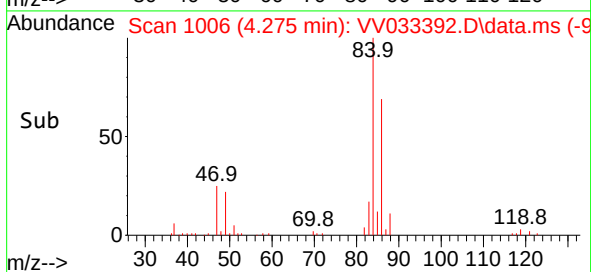
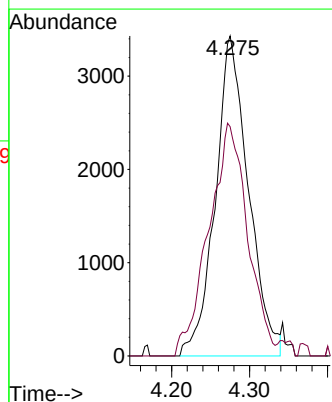
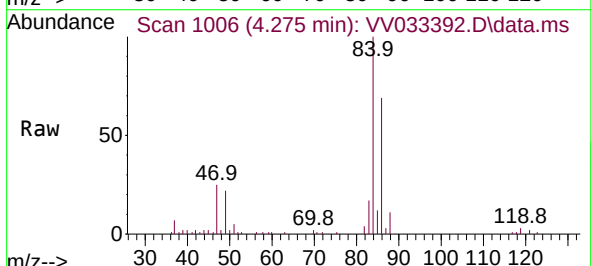
Ion	Ratio	Lower	Upper
96	100		
61	117.1	81.9	152.1
98	61.5	44.3	82.3

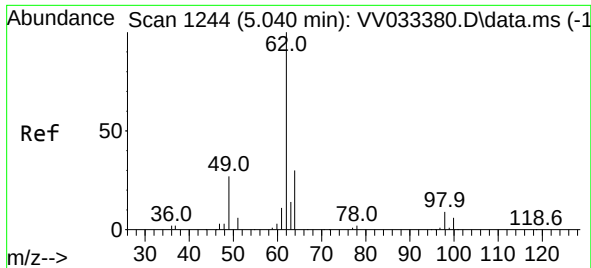


#25
Chloroform
Concen: 3.141 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. -0.000 min
Lab File: VV033392.D
Acq: 15 Dec 2023 21:07

Tgt Ion: 83 Resp: 10105

Ion	Ratio	Lower	Upper
83	100		
85	71.7	46.1	85.7

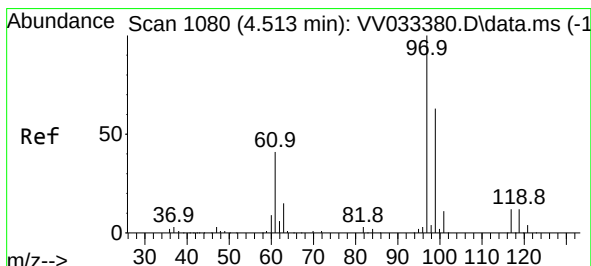
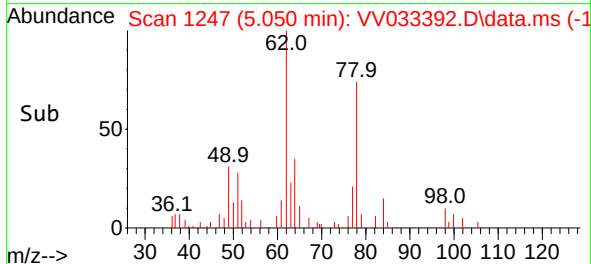
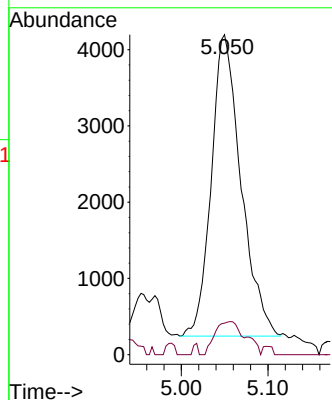
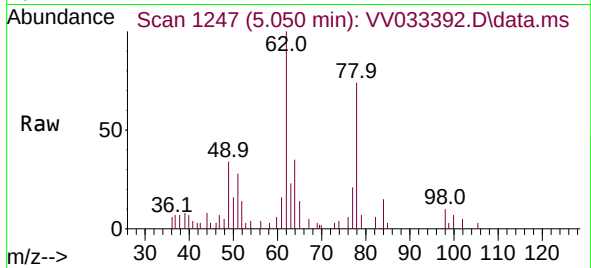




#27
1,2-Dichloroethane
Concen: 3.803 ug/L
RT: 5.050 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV033392.D
Acq: 15 Dec 2023 21:07

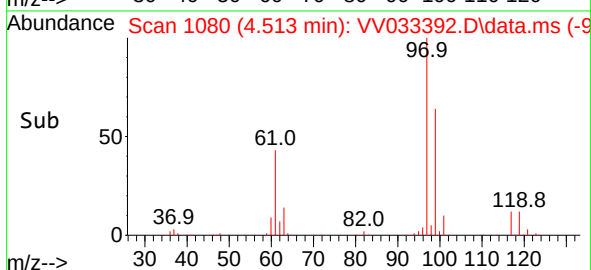
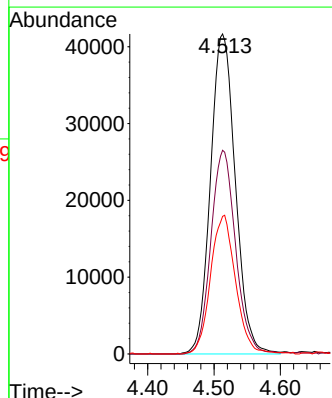
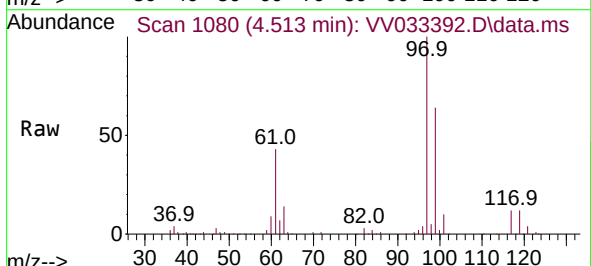
Instrument :
MSVOA_V
ClientSampleId :

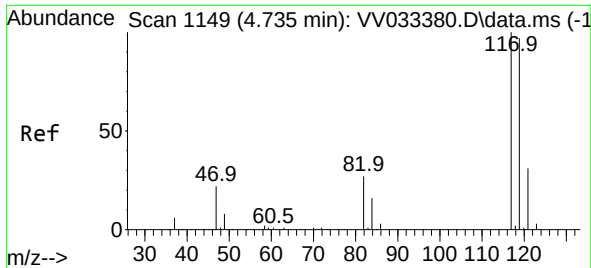
Tgt Ion: 62 Resp: 9432
Ion Ratio Lower Upper
62 100
98 9.9 8.0 12.0



#30
1,1,1-Trichloroethane
Concen: 37.786 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV033392.D
Acq: 15 Dec 2023 21:07

Tgt Ion: 97 Resp: 108682
Ion Ratio Lower Upper
97 100
99 63.1 51.8 77.6
61 43.1 34.8 52.2

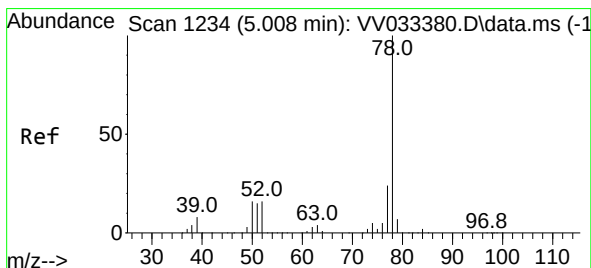
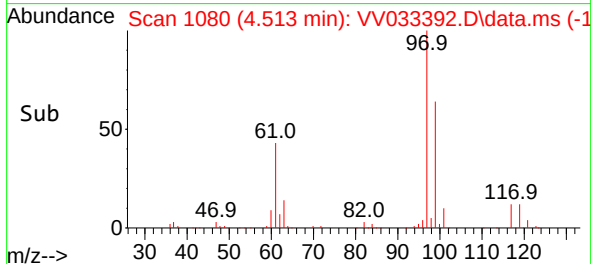
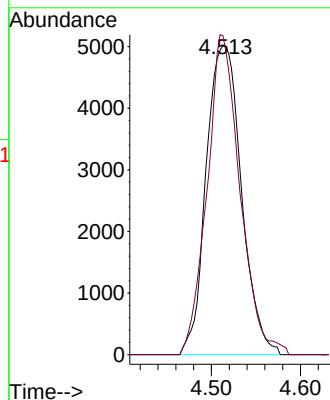
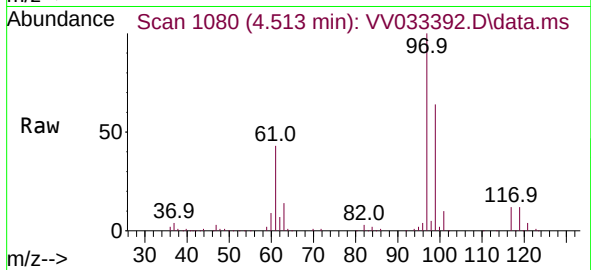




#31
Carbon tetrachloride
Concen: 5.355 ug/L
RT: 4.513 min Scan# 1149
Delta R.T. -0.222 min
Lab File: VV033392.D
Acq: 15 Dec 2023 21:07

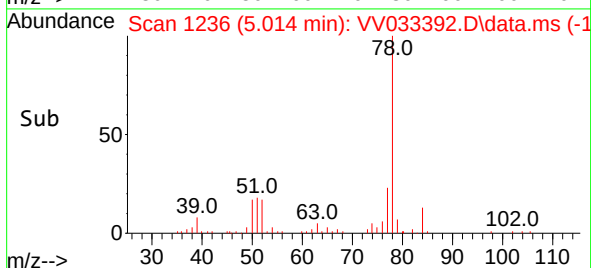
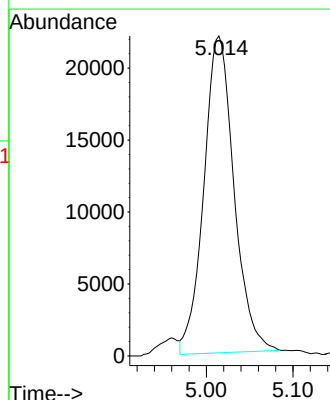
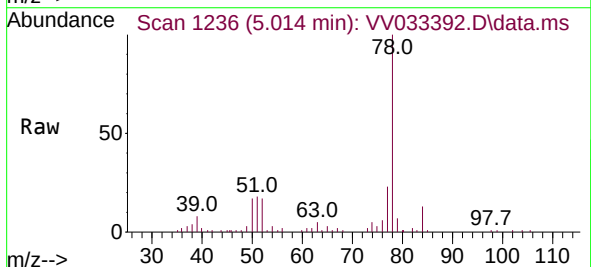
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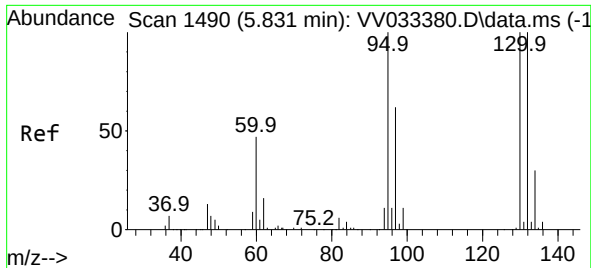
Tgt Ion:117 Resp: 13784
Ion Ratio Lower Upper
117 100
119 96.8 77.8 116.6



#33
Benzene
Concen: 8.588 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VV033392.D
Acq: 15 Dec 2023 21:07

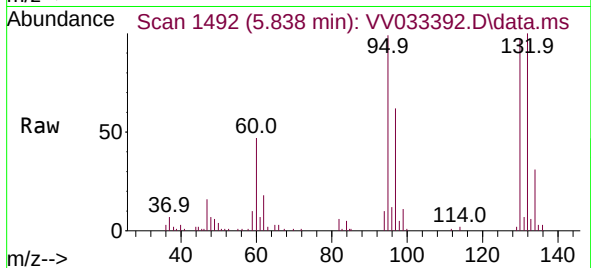
Tgt Ion: 78 Resp: 53323



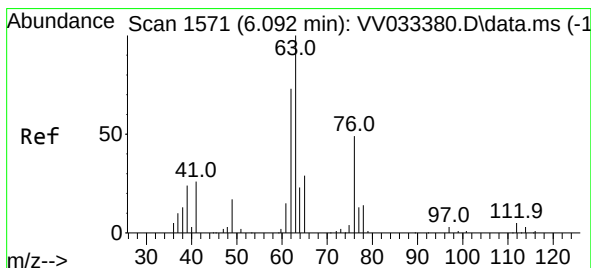
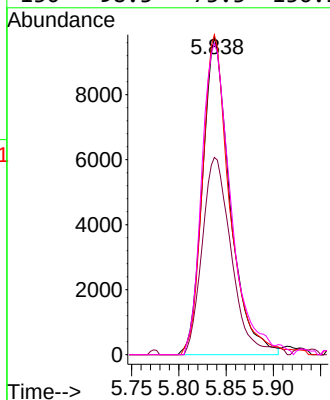
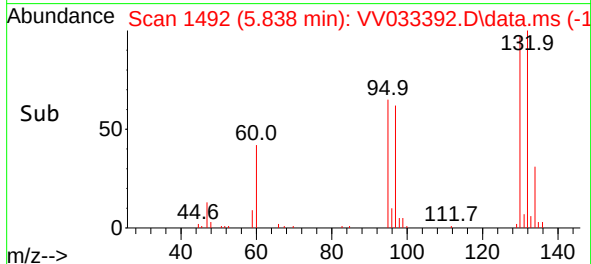


#34
Trichloroethene
Concen: 11.544 ug/L
RT: 5.838 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VV033392.D
Acq: 15 Dec 2023 21:07

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 19664
Ion Ratio Lower Upper
95 100
97 62.3 44.8 83.2
132 101.0 69.9 129.7
130 98.3 73.3 136.1



#37
1,2-Dichloropropane
Concen: 0.941 ug/L
RT: 6.098 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VV033392.D
Acq: 15 Dec 2023 21:07

Tgt Ion: 63 Resp: 1585
Ion Ratio Lower Upper
63 100
112 12.5 3.7 5.5#

