

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121123\
 Data File : VW033243.D
 Acq On : 12 Dec 2023 03:20
 Operator : SY/MD
 Sample : 05451-10
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 12 04:33:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

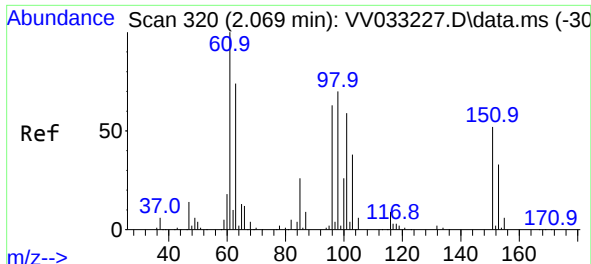
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	303437	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	311015	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	157577	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	86716	47.805	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.620%		
7) Chloroethane-d5	1.532	69	62771	49.665	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.320%		
11) 1,1-Dichloroethene-d2	2.059	65	34888	50.557	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	101.120%		
21) 2-Butanone-d5	3.780	46	81879	90.881	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.880%		
24) Chloroform-d	4.246	84	177864	46.204	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.400%		
26) 1,2-Dichloroethane-d4	4.940	65	117260	48.994	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.980%		
32) Benzene-d6	4.960	84	347307	47.747	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.500%		
36) 1,2-Dichloropropane-d6	5.989	67	89603	45.814	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.620%		
41) Toluene-d8	7.243	98	328042	47.276	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.560%		
43) trans-1,3-Dichloroprop...	7.551	79	50785	41.064	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.120%		
47) 2-Hexanone-d5	8.021	63	64825	82.505	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	82.510%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	128919	46.370	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.740%		
66) 1,2-Dichlorobenzene-d4	11.561	152	145497	51.895	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.800%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	2038	1.254	ug/L #	52
12) 1,1-Dichloroethene	2.069	96	4950	3.254	ug/L #	1
13) Acetone	2.111	43	22258	25.878	ug/L	99
19) 1,1-Dichloroethane	3.108	63	6247	1.890	ug/L	89
22) 2-Butanone	3.876	43	16594	15.160	ug/L	74
27) 1,2-Dichloroethane	5.056	62	2648	0.881	ug/L #	81
34) Trichloroethene	5.837	95	23921	10.159	ug/L	95
37) 1,2-Dichloropropane	6.104	63	4179	2.291	ug/L #	88
39) cis-1,3-Dichloropropene	6.915	75	3292	0.995	ug/L	86
44) trans-1,3-Dichloropropene	7.548	75	2617	0.782	ug/L	98

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

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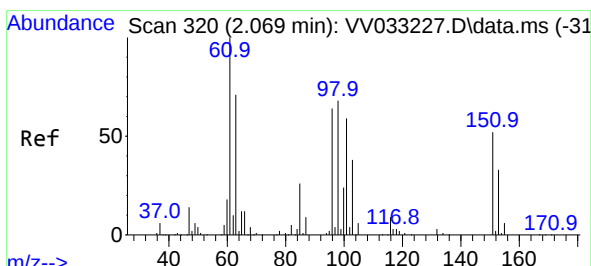
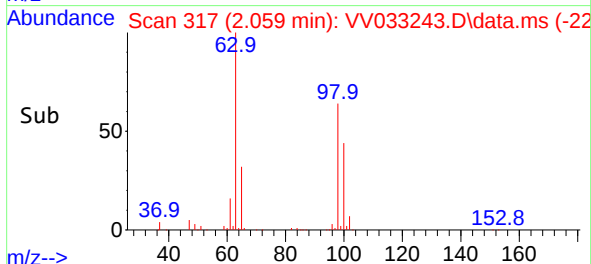
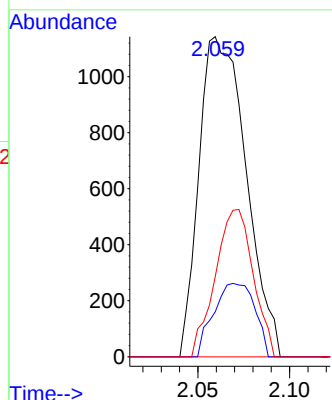
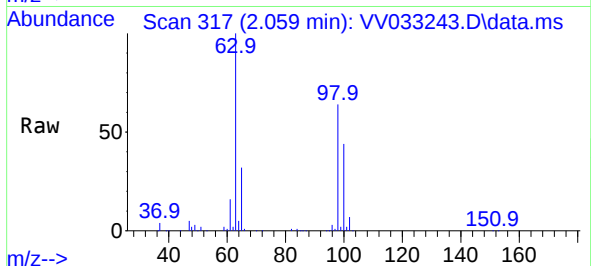




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.254 ug/L
RT: 2.059 min Scan# 317
Delta R.T. -0.010 min
Lab File: VV033243.D
Acq: 12 Dec 2023 03:20

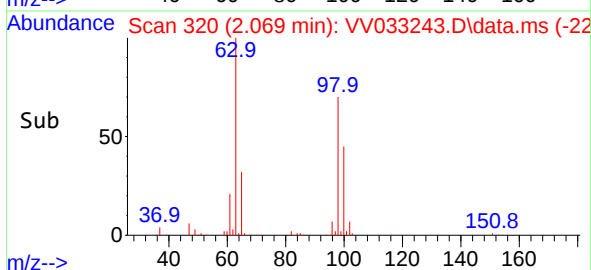
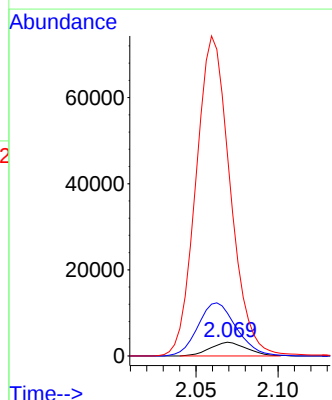
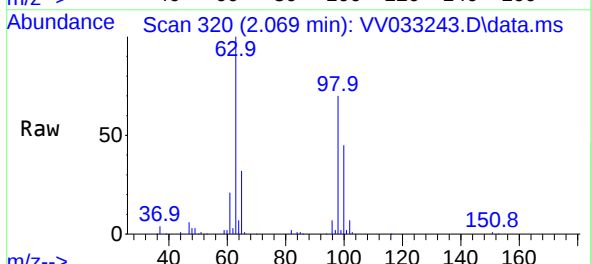
Instrument :
MSVOA_V
ClientSampleId :

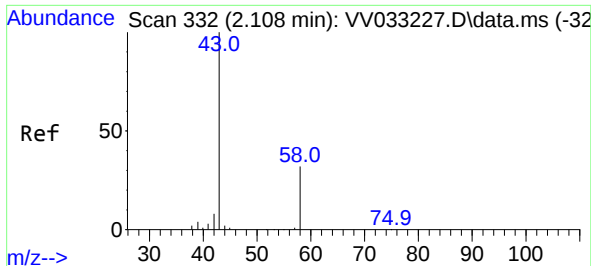
Tgt Ion:101 Resp: 2038
Ion Ratio Lower Upper
101 100
85 20.0 36.0 54.0#
151 37.0 69.1 103.7#



#12
1,1-Dichloroethene
Concen: 3.254 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV033243.D
Acq: 12 Dec 2023 03:20

Tgt Ion: 96 Resp: 4950
Ion Ratio Lower Upper
96 100
61 310.7 109.1 202.7#
63 1465.1 85.3 158.3#





#13

Acetone

Concen: 25.878 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033243.D

Acq: 12 Dec 2023 03:20

Instrument :

MSVOA_V

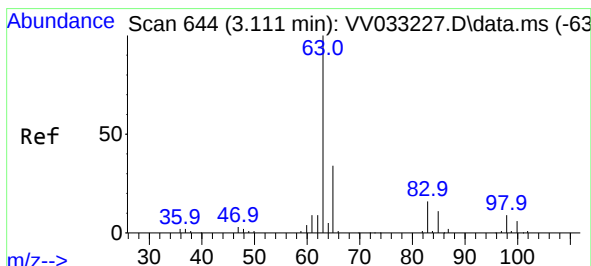
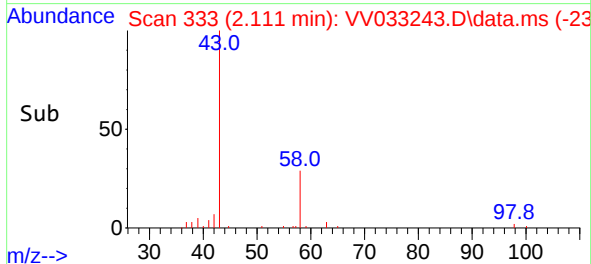
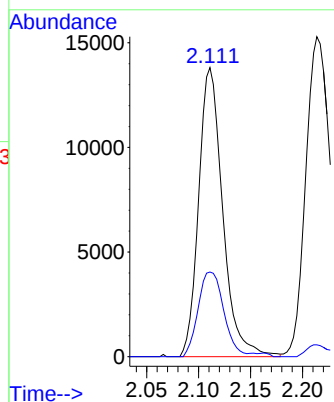
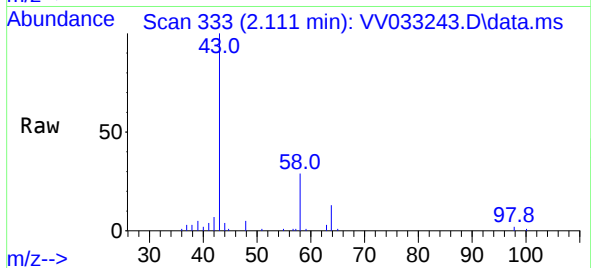
ClientSampleId :

Tgt Ion: 43 Resp: 22258

Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.8



#19

1,1-Dichloroethane

Concen: 1.890 ug/L

RT: 3.108 min Scan# 643

Delta R.T. -0.000 min

Lab File: VV033243.D

Acq: 12 Dec 2023 03:20

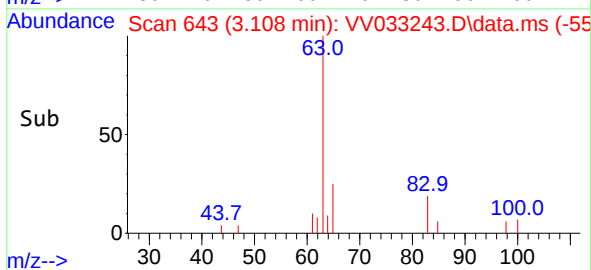
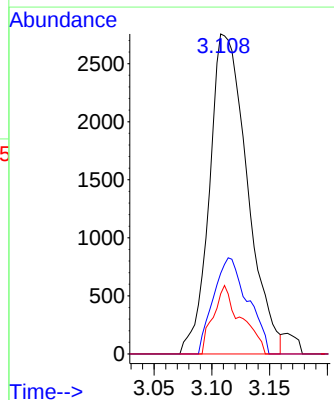
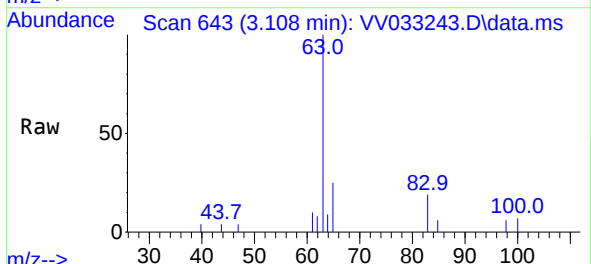
Tgt Ion: 63 Resp: 6247

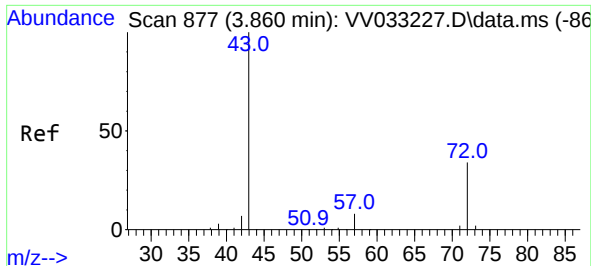
Ion Ratio Lower Upper

63 100

65 25.2 23.0 42.6

83 18.8 11.4 21.2

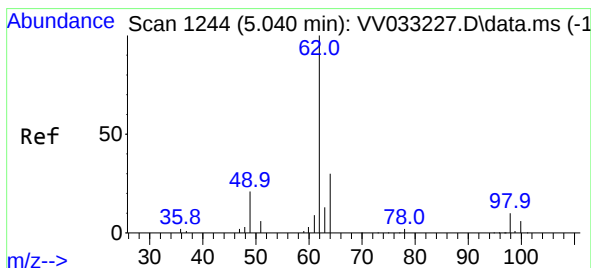
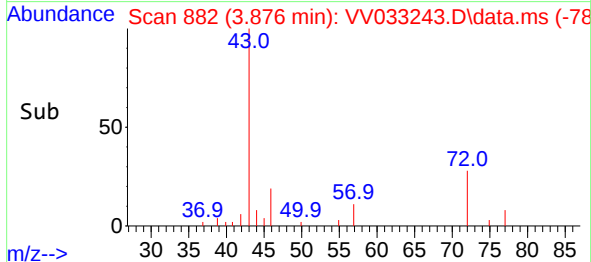
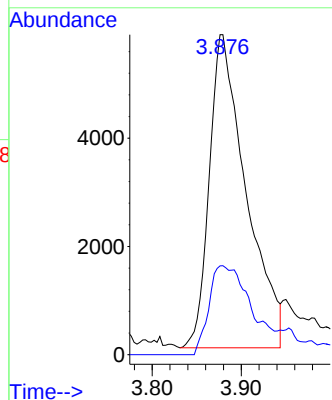
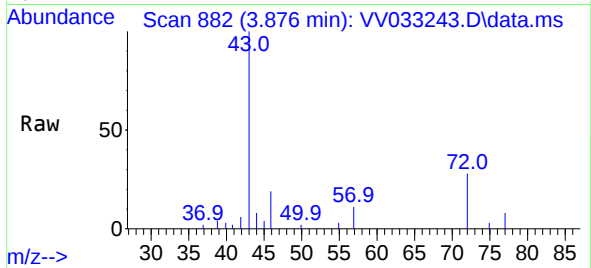




#22
2-Butanone
Concen: 15.160 ug/L
RT: 3.876 min Scan# 81
Delta R.T. 0.019 min
Lab File: VV033243.D
Acq: 12 Dec 2023 03:20

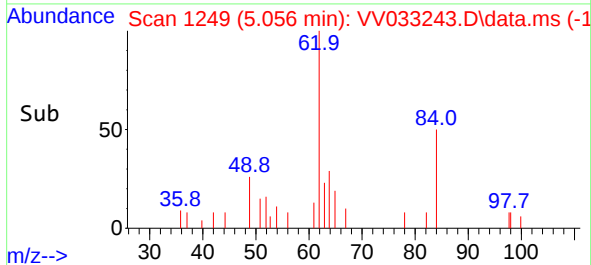
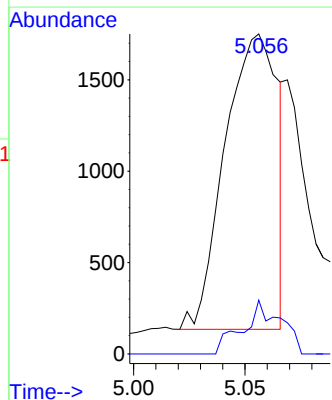
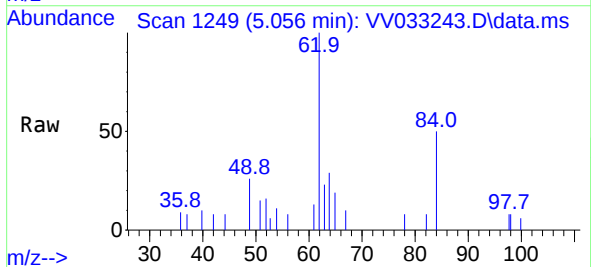
Instrument :
MSVOA_V
ClientSampleId :

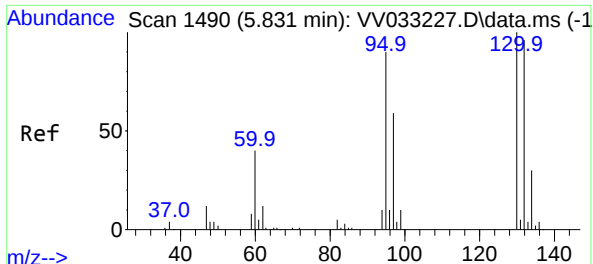
Tgt Ion: 43 Resp: 16594
Ion Ratio Lower Upper
43 100
72 15.2 14.6 43.8



#27
1,2-Dichloroethane
Concen: 0.881 ug/L
RT: 5.056 min Scan# 1249
Delta R.T. 0.019 min
Lab File: VV033243.D
Acq: 12 Dec 2023 03:20

Tgt Ion: 62 Resp: 2648
Ion Ratio Lower Upper
62 100
98 16.8 7.8 11.8#





#34

Trichloroethene

Concen: 10.159 ug/L

RT: 5.837 min Scan# 1490

Delta R.T. 0.006 min

Lab File: VV033243.D

Acq: 12 Dec 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 23921

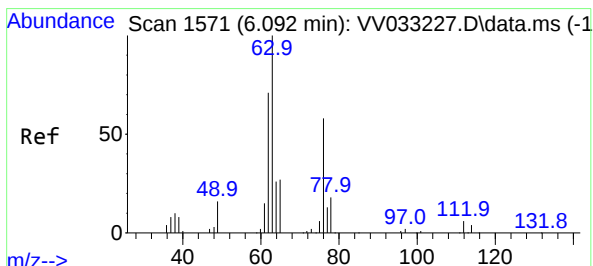
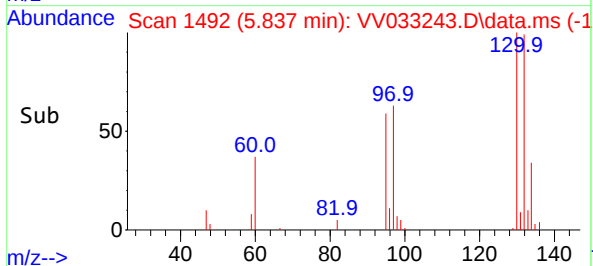
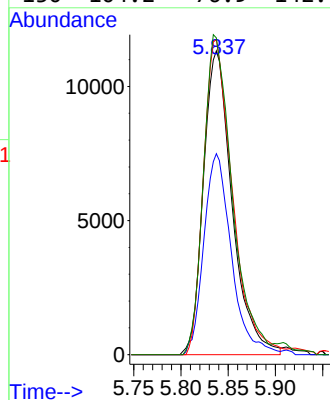
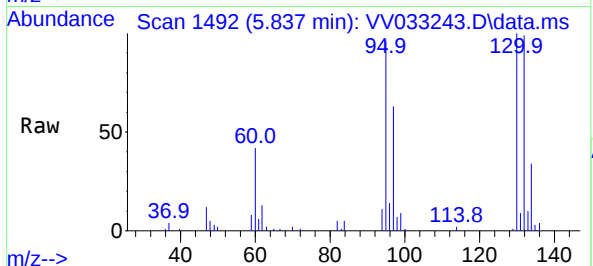
Ion Ratio Lower Upper

95 100

97 66.1 45.8 85.0

132 103.6 77.4 143.8

130 104.2 76.9 142.7



#37

1,2-Dichloropropane

Concen: 2.291 ug/L

RT: 6.104 min Scan# 1575

Delta R.T. 0.013 min

Lab File: VV033243.D

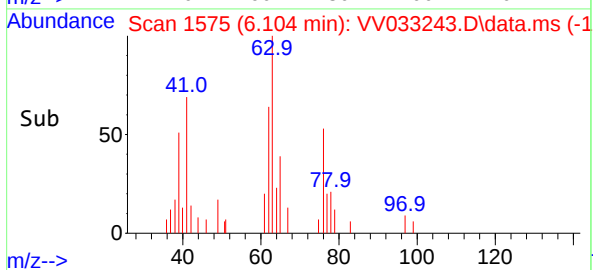
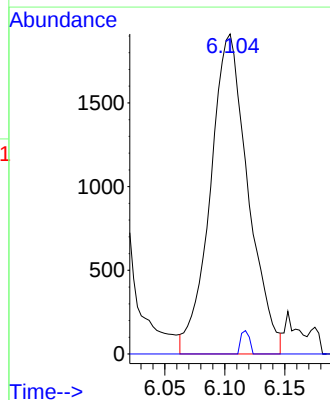
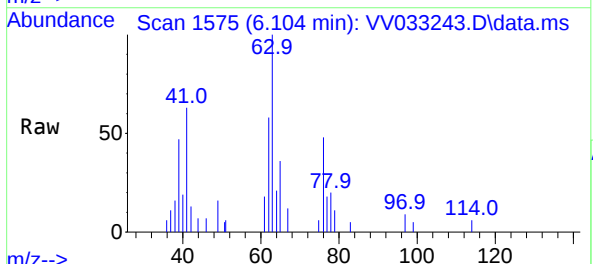
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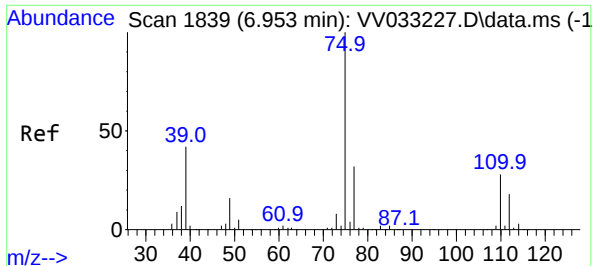
Tgt Ion: 63 Resp: 4179

Ion Ratio Lower Upper

63 100

112 1.7 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.995 ug/L

RT: 6.915 min Scan# 1839

Delta R.T. -0.035 min

Lab File: VV033243.D

Acq: 12 Dec 2023 03:20

Instrument :

MSVOA_V

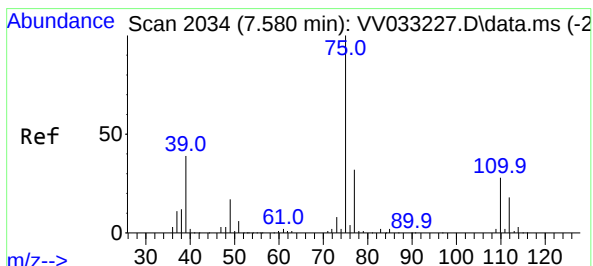
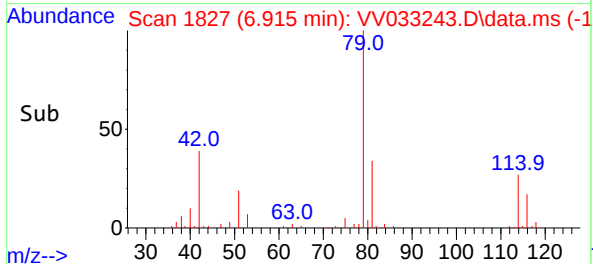
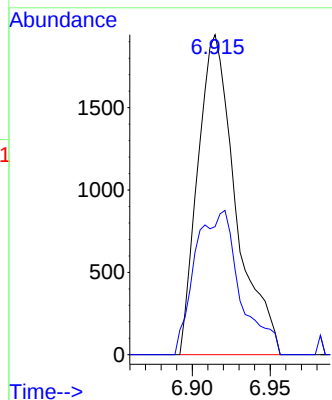
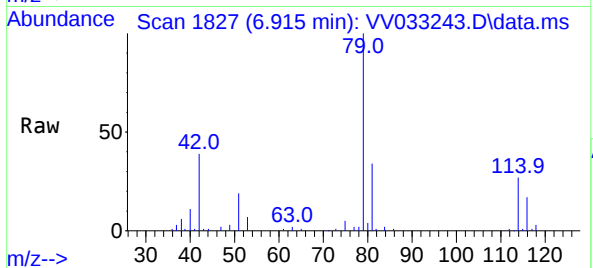
ClientSampleId :

Tgt Ion: 75 Resp: 3292

Ion Ratio Lower Upper

75 100

77 40.0 22.4 41.6



#44

trans-1,3-Dichloropropene

Concen: 0.782 ug/L

RT: 7.548 min Scan# 2024

Delta R.T. -0.032 min

Lab File: VV033243.D

Acq: 12 Dec 2023 03:20

Tgt Ion: 75 Resp: 2617

Ion Ratio Lower Upper

75 100

77 32.8 22.0 41.0

