

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033394.D
 Acq On : 15 Dec 2023 21:53
 Operator : SY/MD
 Sample : 05846-15
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 00:21:30 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	223589	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	231977	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	95663	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	81137	47.122	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.240%
7) Chloroethane-d5	1.532	69	71420	46.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.440%
11) 1,1-Dichloroethene-d2	2.060	65	39925	46.580	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.160%
21) 2-Butanone-d5	3.783	46	86585	99.777	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.780%
24) Chloroform-d	4.249	84	157630	46.281	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.560%
26) 1,2-Dichloroethane-d4	4.941	65	101945	48.724	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.440%
32) Benzene-d6	4.960	84	296466	47.451	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.900%
36) 1,2-Dichloropropane-d6	5.986	67	90707	47.836	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.680%
41) Toluene-d8	7.243	98	252096	44.096	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	7.555	79	40881	43.990	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.980%
47) 2-Hexanone-d5	8.024	63	54985	86.212	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.210%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	124801	45.792	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.580%
66) 1,2-Dichlorobenzene-d4	11.561	152	99382	55.284	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.560%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.285	62	21821	12.036	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8388	4.523	ug/L #	82
13) Acetone	2.111	43	40657	40.362	ug/L	98
14) Carbon disulfide	2.240	76	4588	1.139	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	2845	0.629	ug/L #	81
19) 1,1-Dichloroethane	3.111	63	46794	16.394	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	81591	48.320	ug/L	95
22) 2-Butanone	3.876	43	30438	30.671	ug/L	97
25) Chloroform	4.278	83	8285	2.579	ug/L	97
27) 1,2-Dichloroethane	5.043	62	48159	19.450	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	108155	37.762	ug/L	98
31) Carbon tetrachloride	4.516	117	13595	5.304	ug/L	99
33) Benzene	5.018	78	8658	1.400	ug/L	100
34) Trichloroethene	5.834	95	62787	37.014	ug/L	98
37) 1,2-Dichloropropane	6.095	63	3250	1.938	ug/L #	94
44) trans-1,3-Dichloropropene	7.555	75	2061	0.842	ug/L	98
46) Tetrachloroethene	7.912	164	2786	2.102	ug/L	92

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Quant Time: Dec 16 00:21:30 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

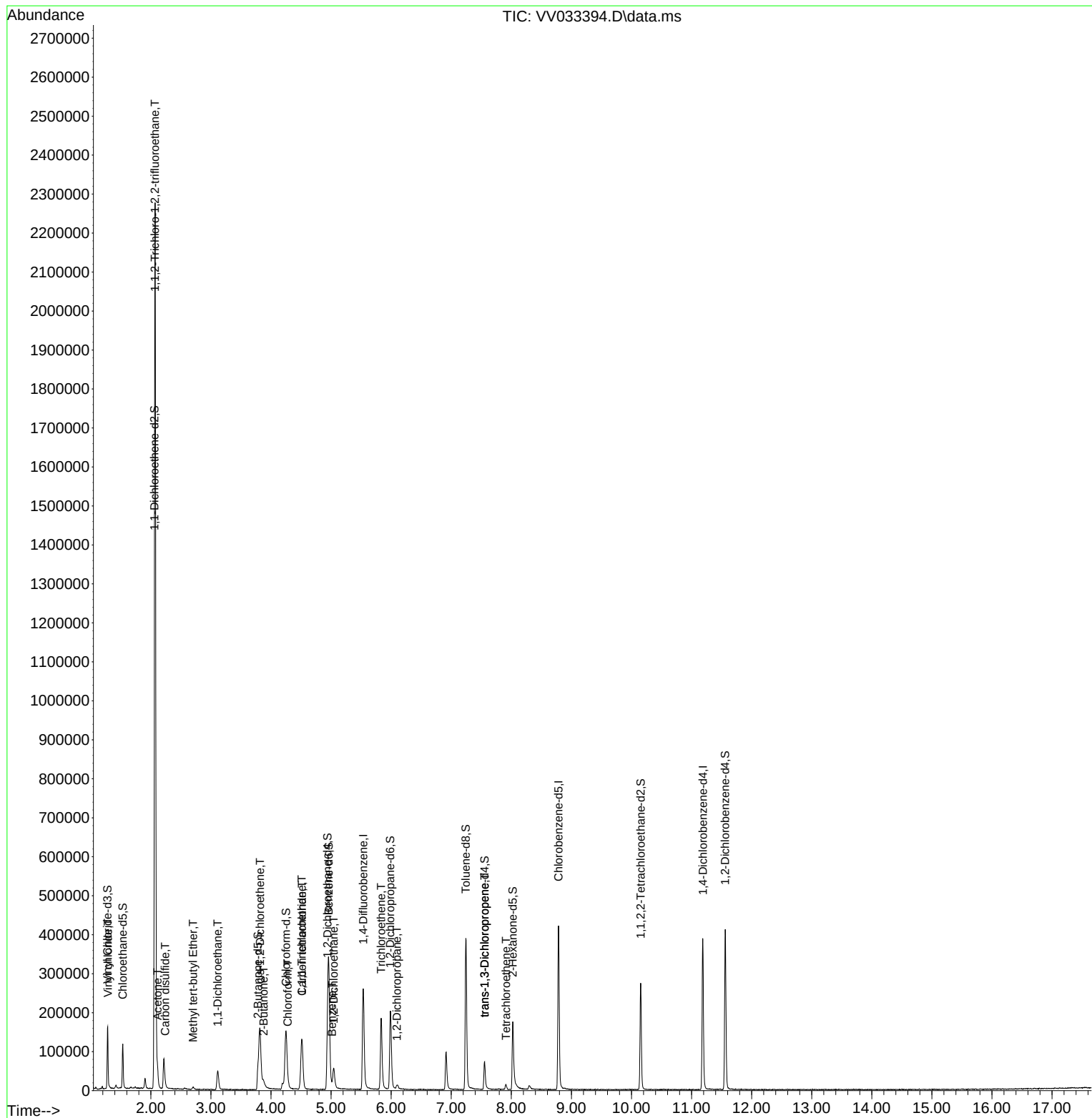
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

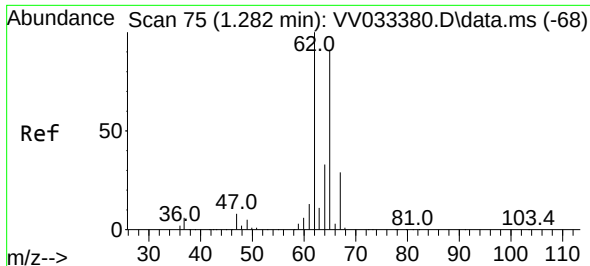
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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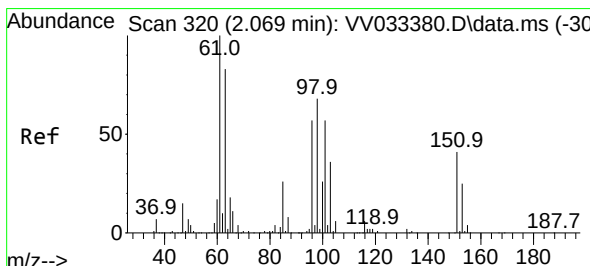
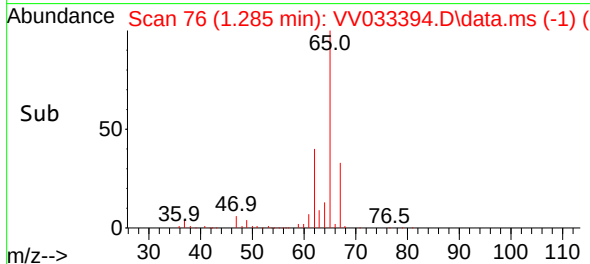
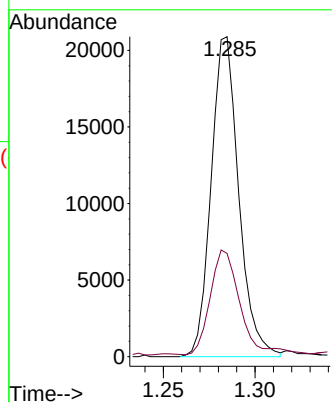
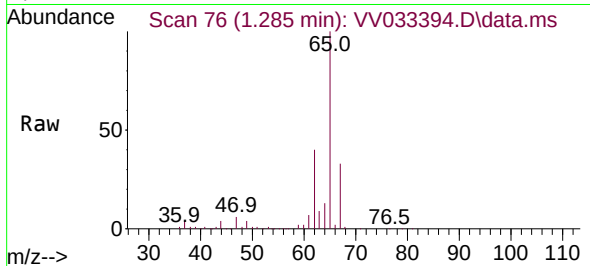




#5
 Vinyl chloride
 Concen: 12.036 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV033394.D
 Acq: 15 Dec 2023 21:53

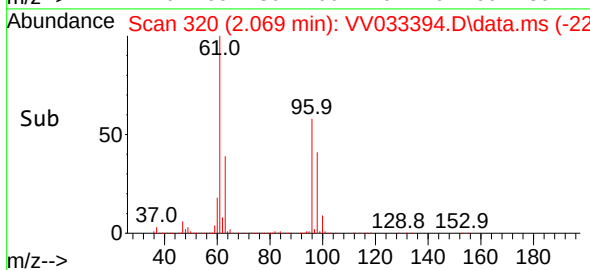
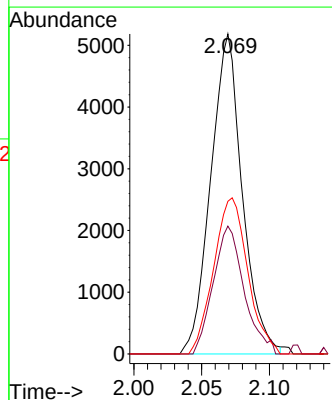
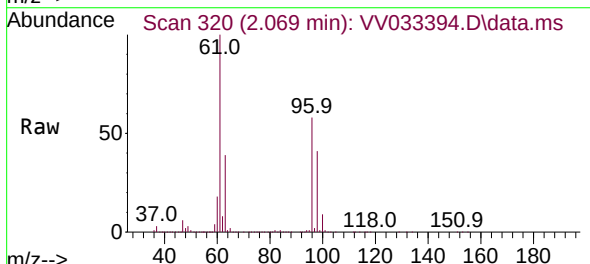
Instrument :
 MSVOA_V
 ClientSampleId :

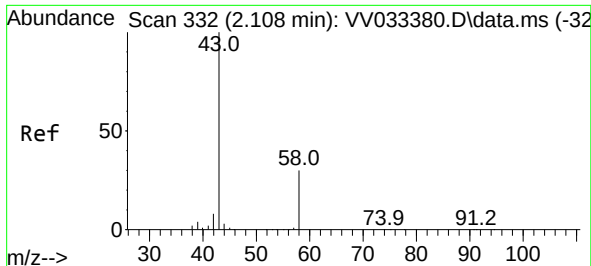
Tgt Ion: 62 Resp: 21821
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.4 43.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.523 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033394.D
 Acq: 15 Dec 2023 21:53

Tgt Ion: 101 Resp: 8388
 Ion Ratio Lower Upper
 101 100
 85 39.1 36.6 54.8
 151 52.7 57.0 85.6#





#13

Acetone

Concen: 40.362 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033394.D

Acq: 15 Dec 2023 21:53

Instrument :

MSVOA_V

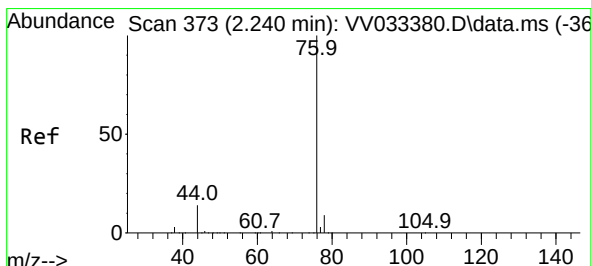
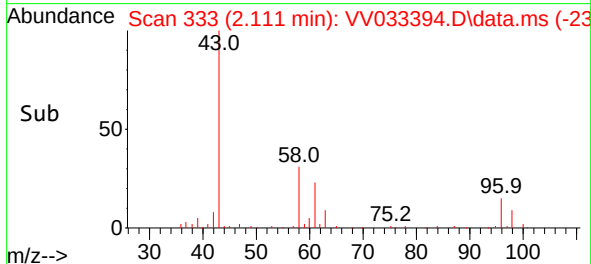
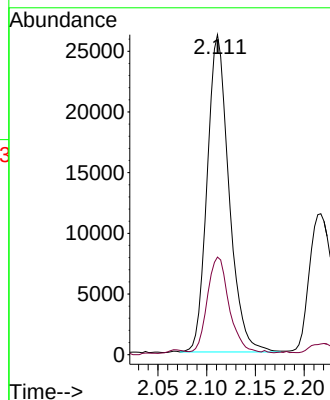
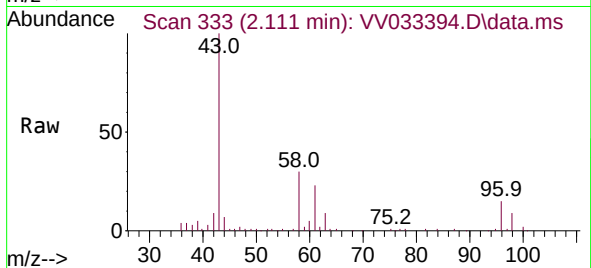
ClientSampleId :

Tgt Ion: 43 Resp: 40657

Ion Ratio Lower Upper

43 100

58 30.9 0.0 59.2



#14

Carbon disulfide

Concen: 1.139 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV033394.D

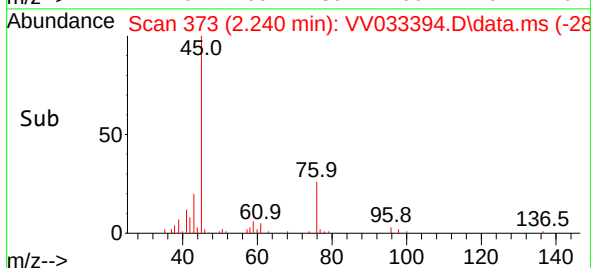
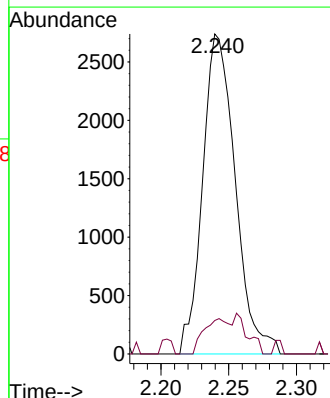
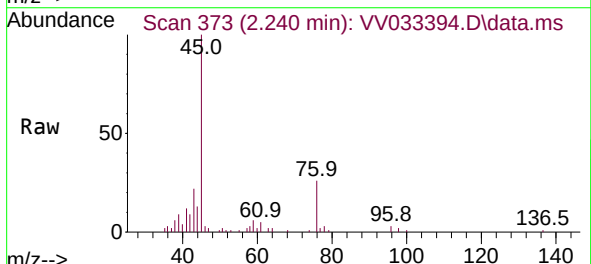
Acq: 15 Dec 2023 21:53

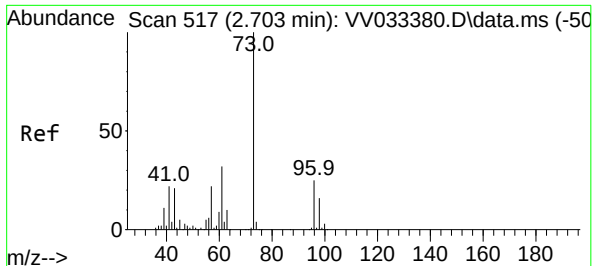
Tgt Ion: 76 Resp: 4588

Ion Ratio Lower Upper

76 100

78 10.4 7.6 11.4





#18

Methyl tert-butyl Ether

Concen: 0.629 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV033394.D

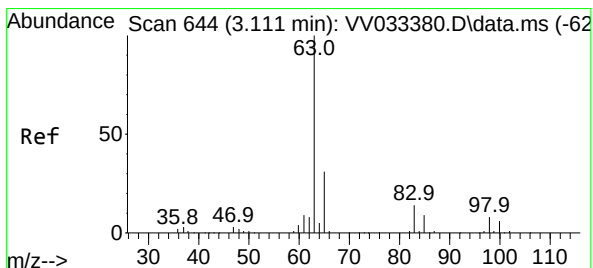
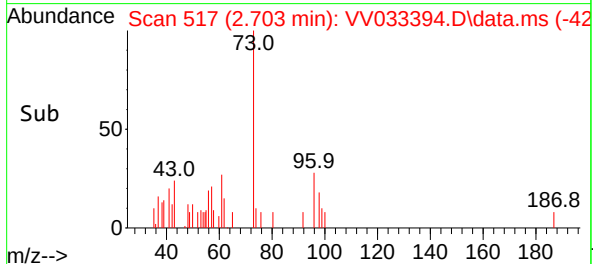
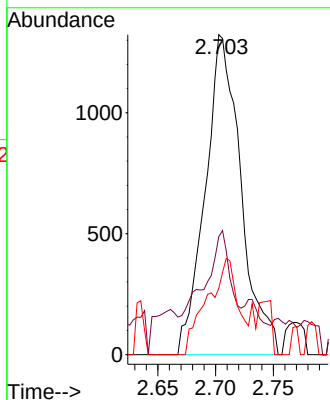
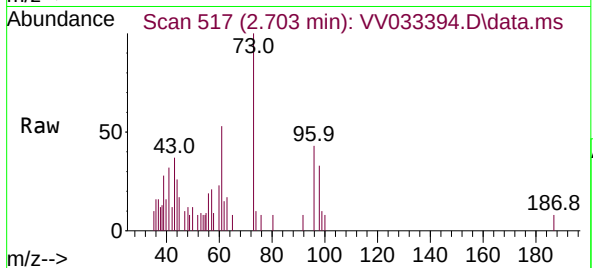
Acq: 15 Dec 2023 21:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 73	Resp: 2845
Ion Ratio	Lower Upper
73 100	
43 12.9	16.3 24.5#
57 11.4	17.3 25.9#



#19

1,1-Dichloroethane

Concen: 16.394 ug/L

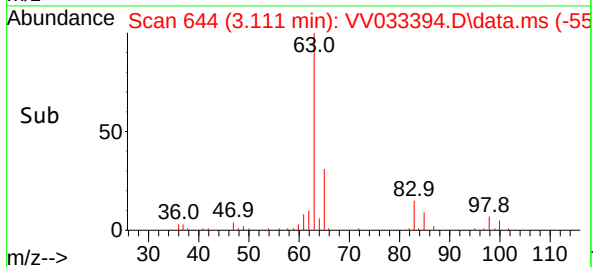
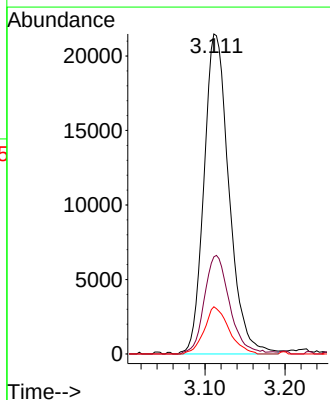
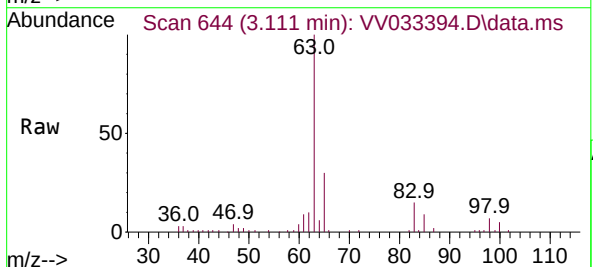
RT: 3.111 min Scan# 644

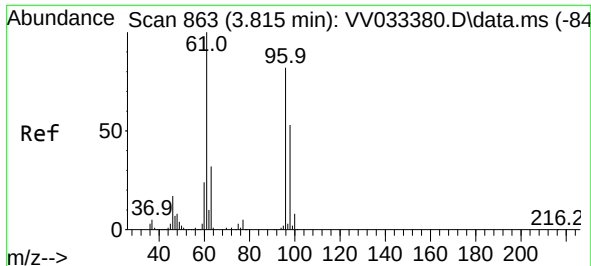
Delta R.T. -0.000 min

Lab File: VV033394.D

Acq: 15 Dec 2023 21:53

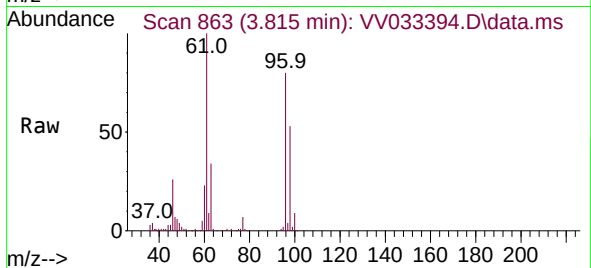
Tgt Ion: 63	Resp: 46794
Ion Ratio	Lower Upper
63 100	
65 30.4	21.1 39.3
83 14.7	9.7 17.9



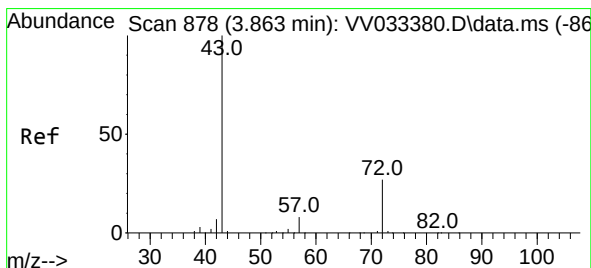
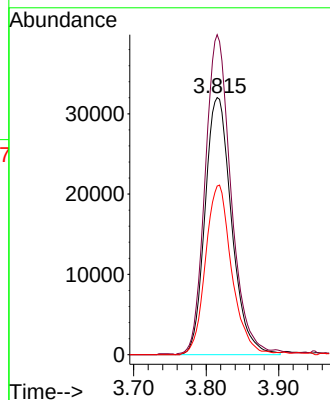
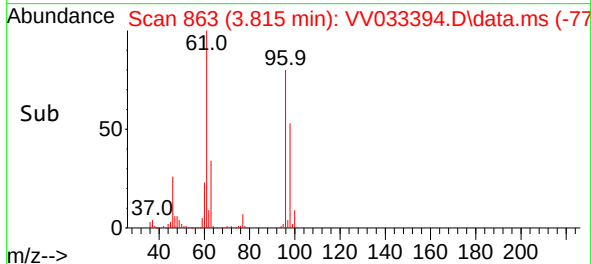


#20
cis-1,2-Dichloroethene
Concen: 48.320 ug/L
RT: 3.815 min Scan# 80
Delta R.T. -0.000 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

Instrument :
MSVOA_V
ClientSampleId :

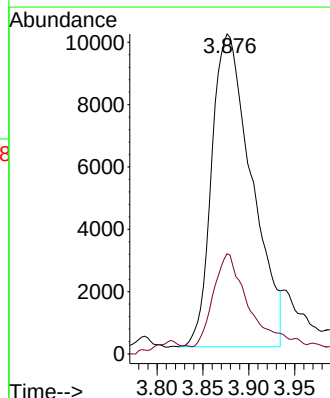
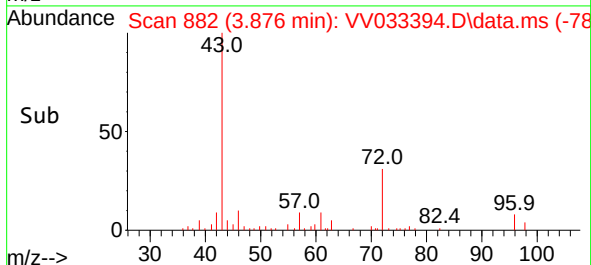
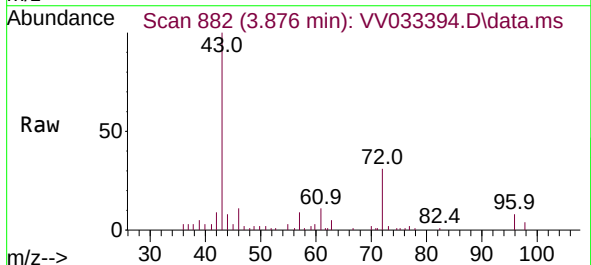


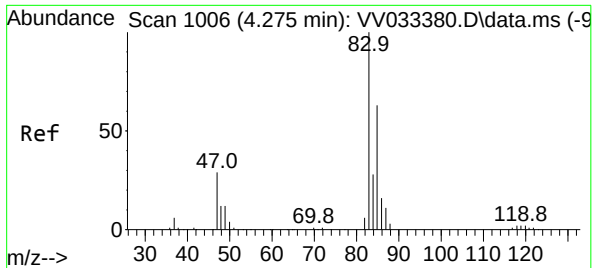
Tgt Ion: 96 Resp: 81591
Ion Ratio Lower Upper
96 100
61 124.5 81.9 152.1
98 65.6 44.3 82.3



#22
2-Butanone
Concen: 30.671 ug/L
RT: 3.876 min Scan# 882
Delta R.T. 0.013 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

Tgt Ion: 43 Resp: 30438
Ion Ratio Lower Upper
43 100
72 26.4 12.4 37.4

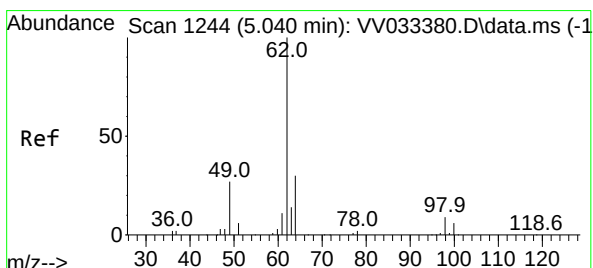
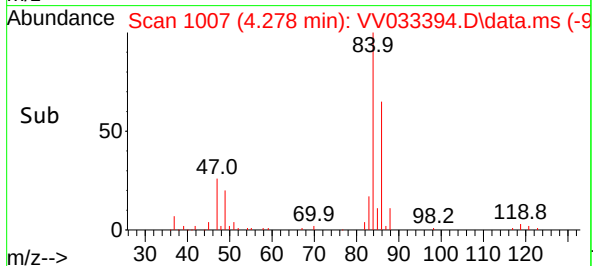
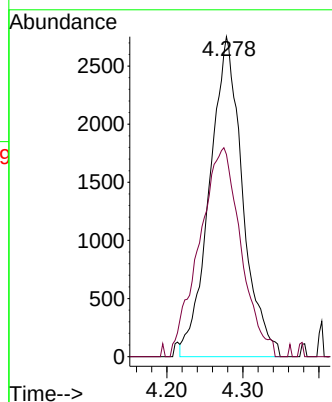
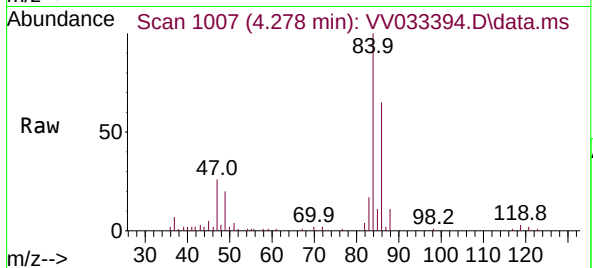




#25
Chloroform
Concen: 2.579 ug/L
RT: 4.278 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

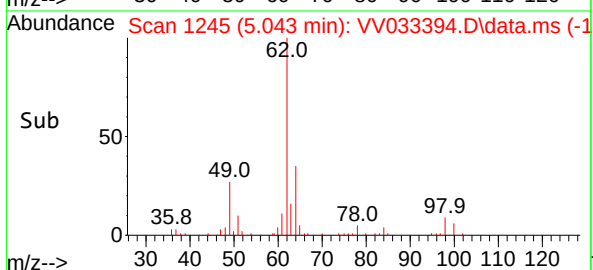
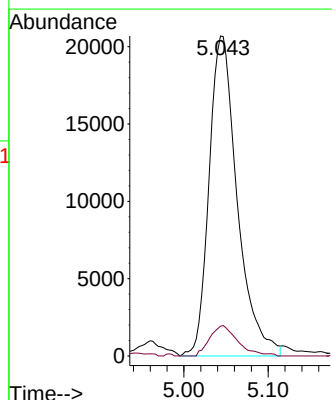
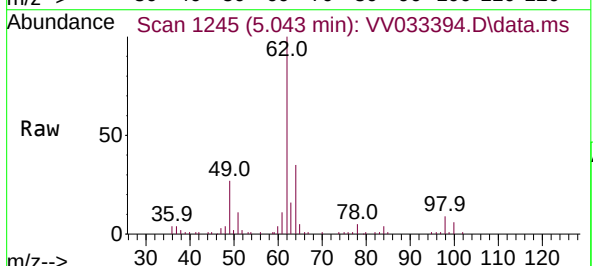
Instrument :
MSVOA_V
ClientSampleId :

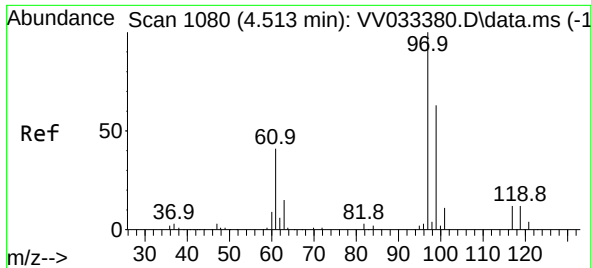
Tgt Ion: 83 Resp: 8285
Ion Ratio Lower Upper
83 100
85 63.2 46.1 85.7



#27
1,2-Dichloroethane
Concen: 19.450 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

Tgt Ion: 62 Resp: 48159
Ion Ratio Lower Upper
62 100
98 9.3 8.0 12.0

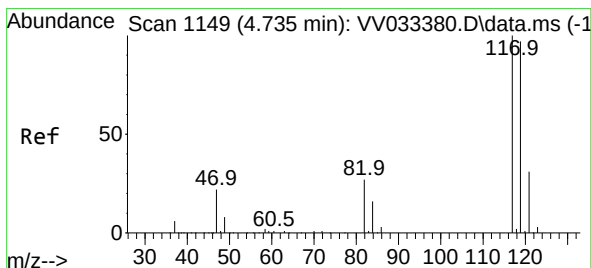
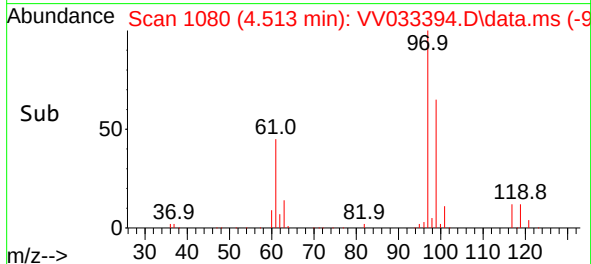
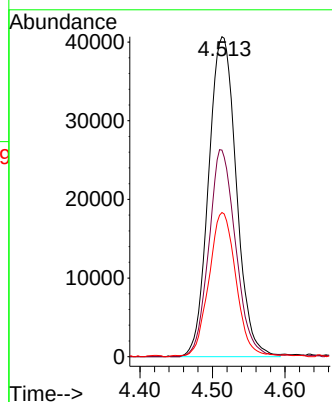
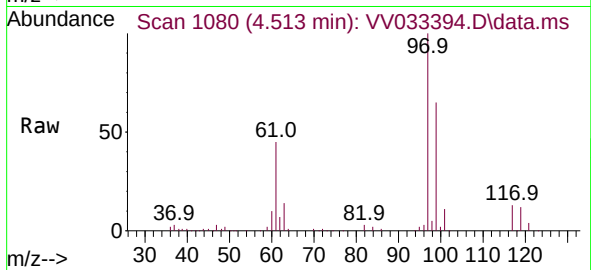




#30
1,1,1-Trichloroethane
Concen: 37.762 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

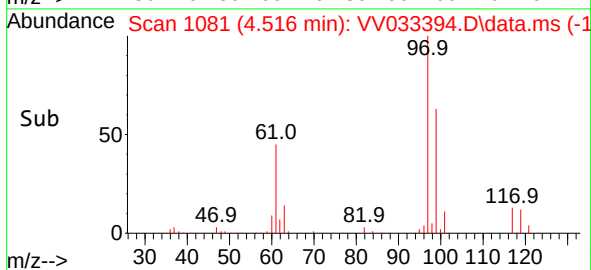
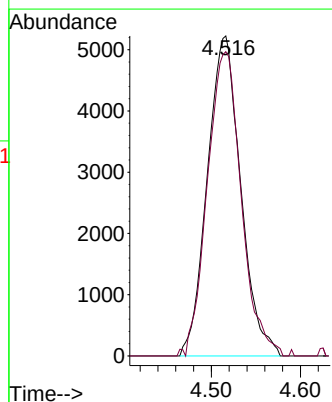
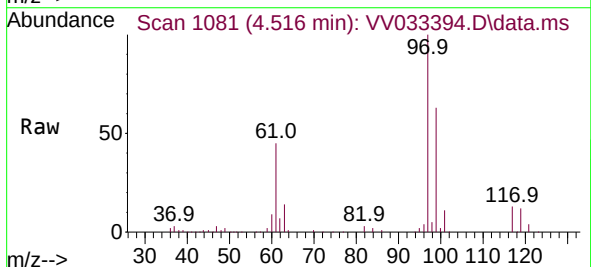
Instrument :
MSVOA_V
ClientSampleId :

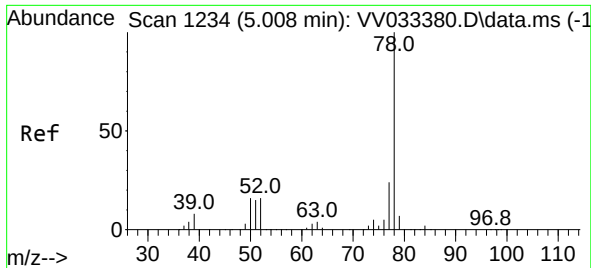
Tgt Ion: 97 Resp: 108155
Ion Ratio Lower Upper
97 100
99 62.7 51.8 77.6
61 43.1 34.8 52.2



#31
Carbon tetrachloride
Concen: 5.304 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. -0.219 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

Tgt Ion: 117 Resp: 13595
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.6





#33

Benzene

Concen: 1.400 ug/L

RT: 5.018 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV033394.D

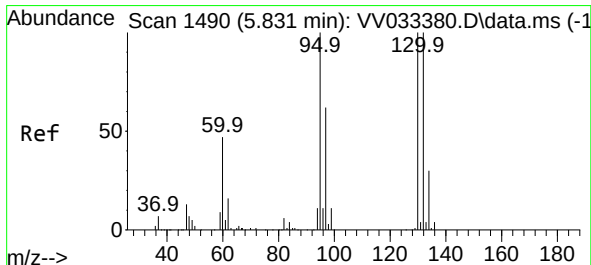
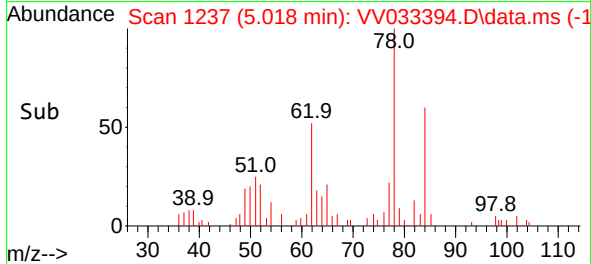
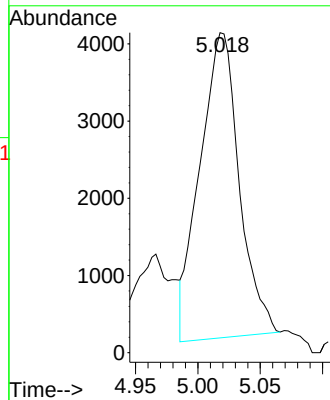
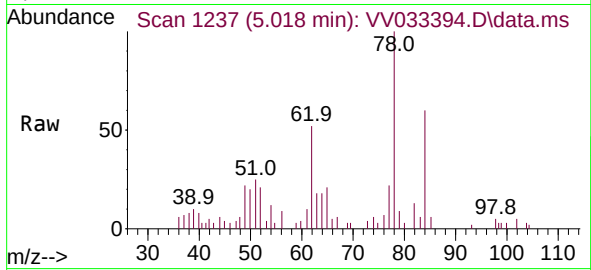
Acq: 15 Dec 2023 21:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 8658



#34

Trichloroethene

Concen: 37.014 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV033394.D

Acq: 15 Dec 2023 21:53

Tgt Ion: 95 Resp: 62787

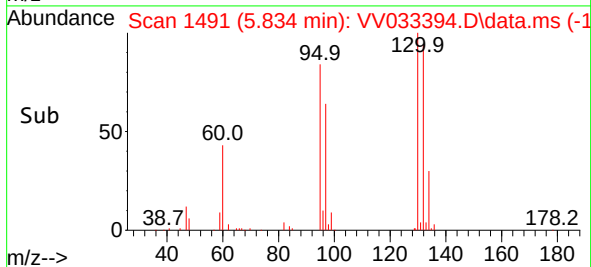
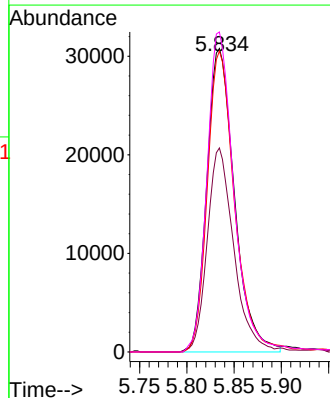
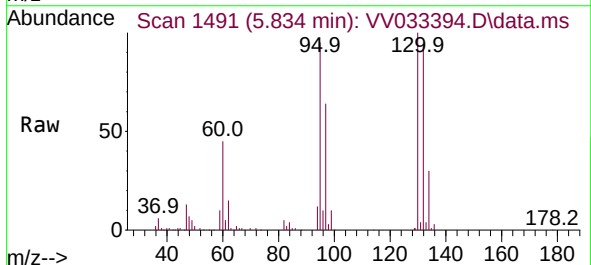
Ion Ratio Lower Upper

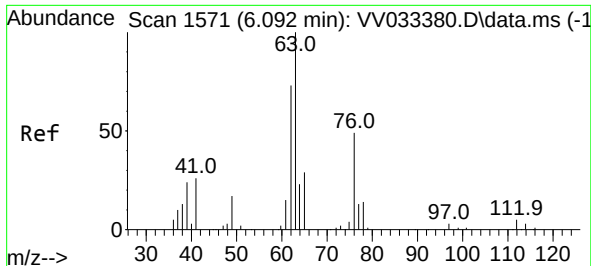
95 100

97 67.2 44.8 83.2

132 99.1 69.9 129.7

130 105.4 73.3 136.1





#37

1,2-Dichloropropane

Concen: 1.938 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033394.D

Acq: 15 Dec 2023 21:53

Instrument :

MSVOA_V

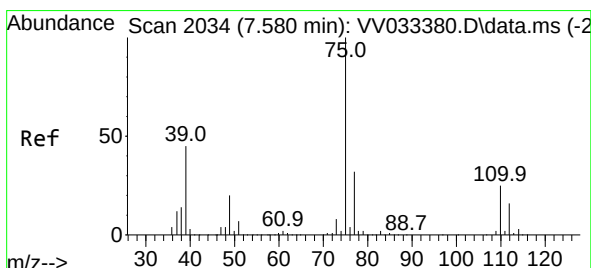
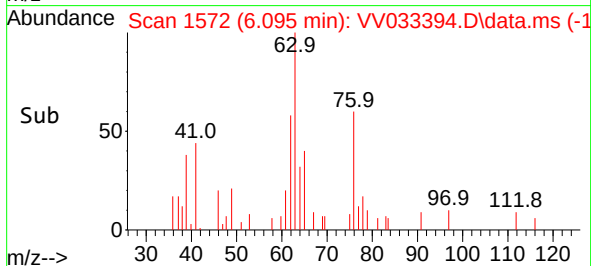
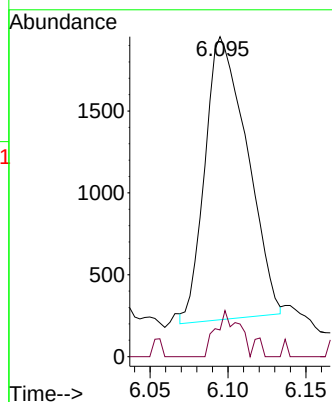
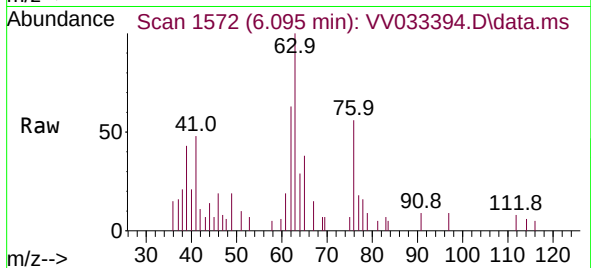
ClientSampleId :

Tgt Ion: 63 Resp: 3250

Ion Ratio Lower Upper

63 100

112 2.7 3.7 5.5#



#44

trans-1,3-Dichloropropene

Concen: 0.842 ug/L

RT: 7.555 min Scan# 2026

Delta R.T. -0.026 min

Lab File: VV033394.D

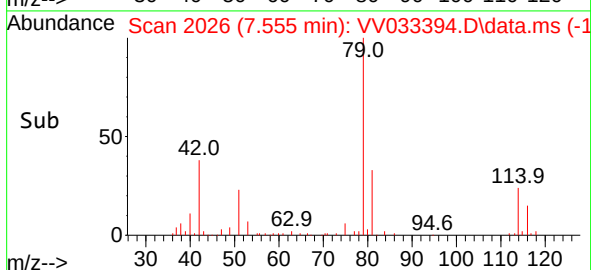
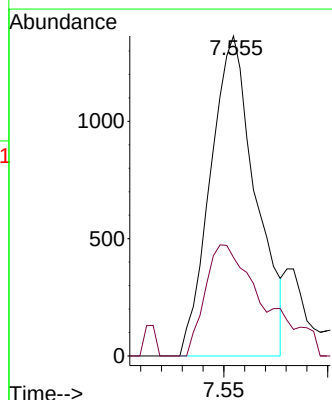
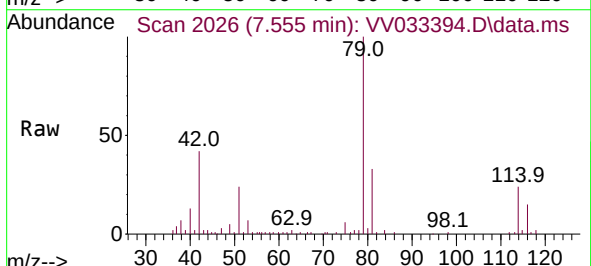
Acq: 15 Dec 2023 21:53

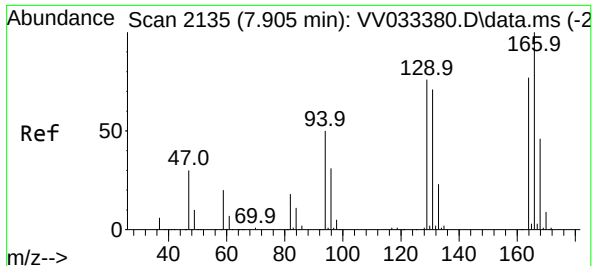
Tgt Ion: 75 Resp: 2061

Ion Ratio Lower Upper

75 100

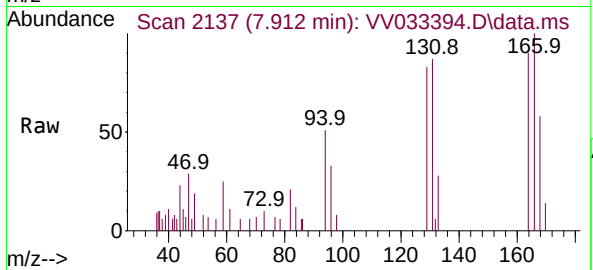
77 30.8 22.4 41.6





#46
 Tetrachloroethene
 Concen: 2.102 ug/L
 RT: 7.912 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VV033394.D
 Acq: 15 Dec 2023 21:53

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	164	Resp:	2786
Ion	Ratio	Lower	Upper
164	100		
129	91.5	68.9	127.9
131	96.6	65.3	121.3
166	110.9	86.9	161.3

