

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020824\
 Data File : VW034091.D
 Acq On : 09 Feb 2024 04:33
 Operator : SY/MD
 Sample : P1402-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 09 05:42:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 09 03:48:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	79184	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	73693	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	37996	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	19375	3.159	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.200%
7) Chloroethane-d5	1.532	69	19667	3.661	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.200%
11) 1,1-Dichloroethene-d2	2.060	65	10861	3.672	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.400%
20) 2-Butanone-d5	3.796	46	48773	47.355	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.700%
24) Chloroform-d	4.252	84	46235	4.149	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
26) 1,2-Dichloroethane-d4	4.947	65	24838	4.769	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	4.963	84	86643	3.919	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.400%
36) 1,2-Dichloropropane-d6	5.992	67	25183	4.075	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.400%
41) Toluene-d8	7.246	98	78846	3.880	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.600%
43) trans-1,3-Dichloroprop...	7.564	79	8181	3.506	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.200%
46) 2-Hexanone-d5	8.027	63	42715	51.274	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.540%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	17687	4.721	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	11.561	152	30886	4.470	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.400%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	26295	4.615	ug/L	97
12) 1,1-Dichloroethene	2.069	96	556098	100.529	ug/L #	70
17) Methyl tert-butyl Ether	2.706	73	1108	0.097	ug/L #	78
18) trans-1,2-Dichloroethene	2.699	96	1975	0.351	ug/L	97
19) 1,1-Dichloroethane	3.111	63	210419	20.324	ug/L	95
22) cis-1,2-Dichloroethene	3.812	96	310512	48.575	ug/L	97
25) Chloroform	4.285	83	4121	0.394	ug/L	95
27) 1,2-Dichloroethane	5.056	62	3575	0.597	ug/L #	76
29) 1,1,1-Trichloroethane	4.513	97	65720	6.642	ug/L	98
31) Carbon tetrachloride	4.516	117	8078	0.933	ug/L	97
34) Trichloroethene	5.831	95	367443	57.441	ug/L	98
35) Methylcyclohexane	5.992	83	6676	0.665	ug/L #	19
37) 1,2-Dichloropropane	5.992	63	3430	0.641	ug/L #	87
45) 1,1,2-Trichloroethane	7.776	97	2554	0.773	ug/L	89
47) Tetrachloroethene	7.905	164	465985	89.652	ug/L	97
49) Dibromochloromethane	7.905	129	406060	103.358	ug/L #	11
61) 1,2,3-Trichloropropane	11.185	75	4406	1.687	ug/L #	61

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Feb 09 03:48:51 2024
Response via : Initial Calibration

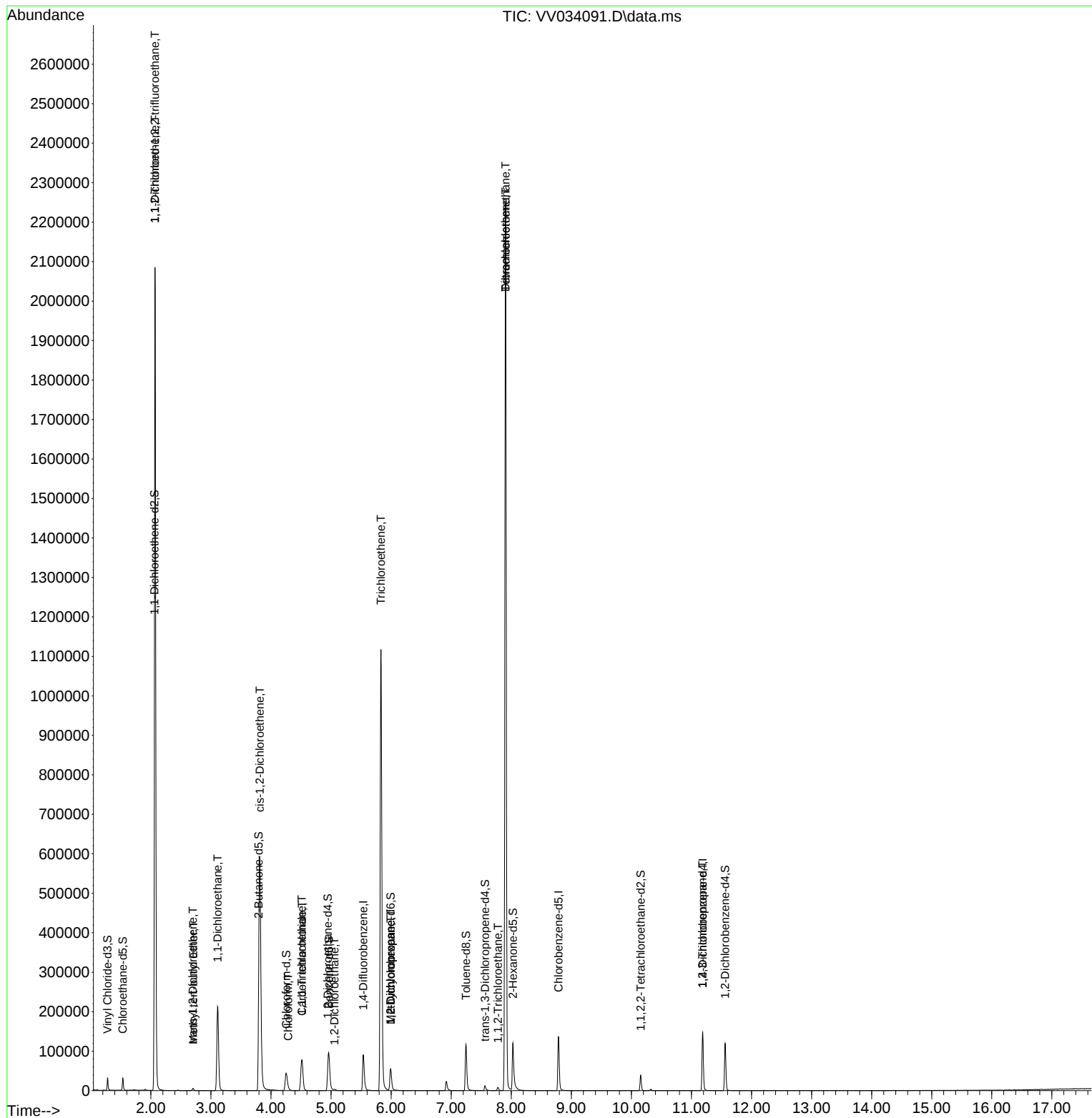
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

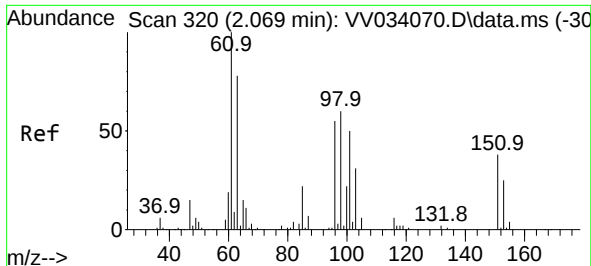
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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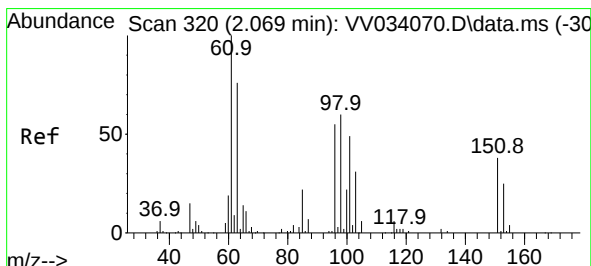
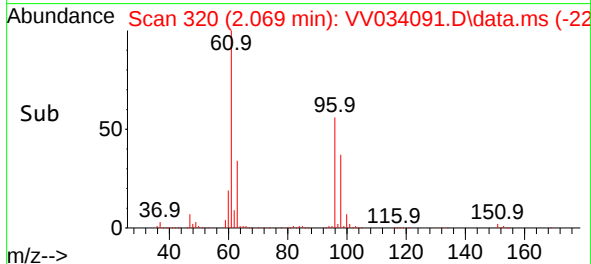
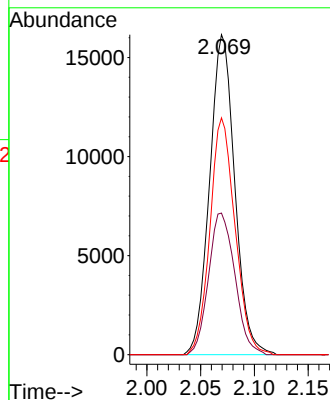
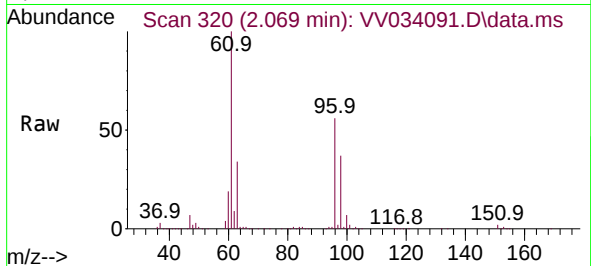




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.615 ug/L
RT: 2.069 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV034091.D
Acq: 09 Feb 2024 04:33

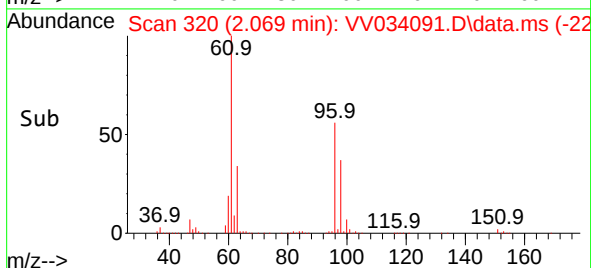
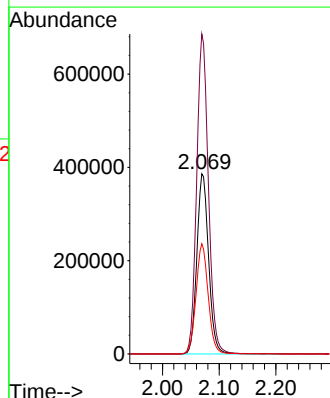
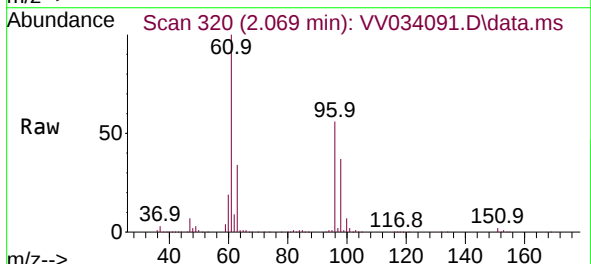
Instrument :
MSVOA_V
ClientSampleId :

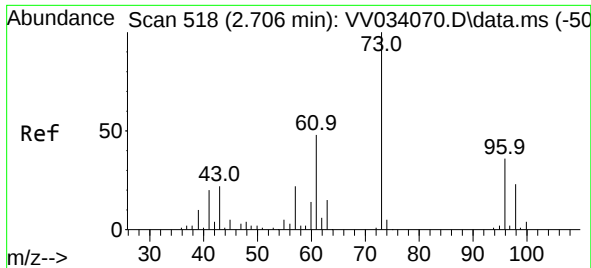
Tgt Ion:	101	Resp:	26295
Ion	Ratio	Lower	Upper
101	100		
85	46.2	37.1	55.7
151	73.7	61.7	92.5



#12
1,1-Dichloroethene
Concen: 100.529 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV034091.D
Acq: 09 Feb 2024 04:33

Tgt Ion:	96	Resp:	556098
Ion	Ratio	Lower	Upper
96	100		
61	177.5	128.8	239.2
63	61.2	97.9	181.9





#17

Methyl tert-butyl Ether

Concen: 0.097 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV034091.D

Acq: 09 Feb 2024 04:33

Instrument :

MSVOA_V

ClientSampleId :

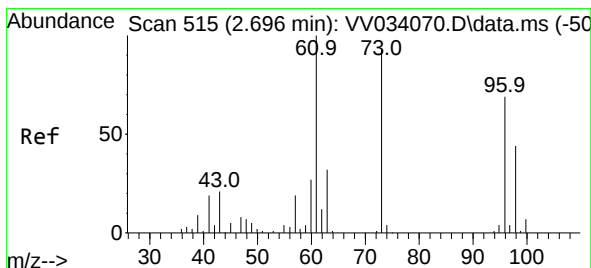
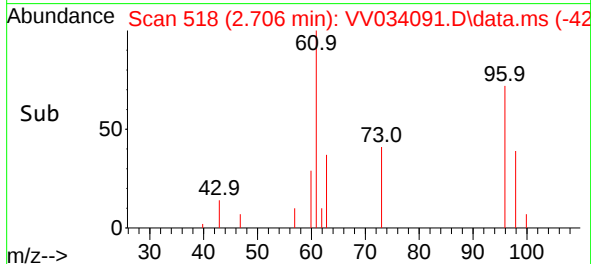
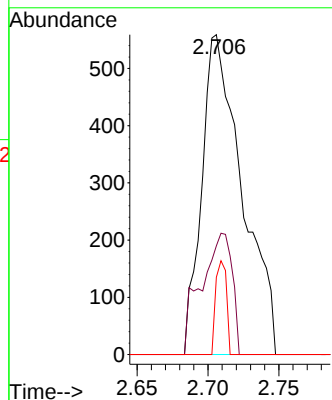
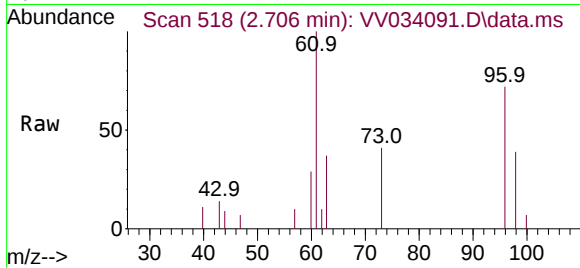
Tgt Ion: 73 Resp: 1108

Ion Ratio Lower Upper

73 100

43 29.0 17.7 26.5#

57 7.8 17.9 26.9#



#18

trans-1,2-Dichloroethene

Concen: 0.351 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.003 min

Lab File: VV034091.D

Acq: 09 Feb 2024 04:33

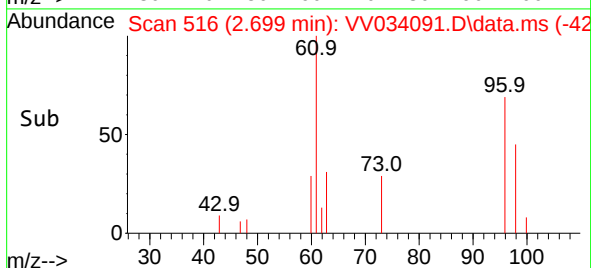
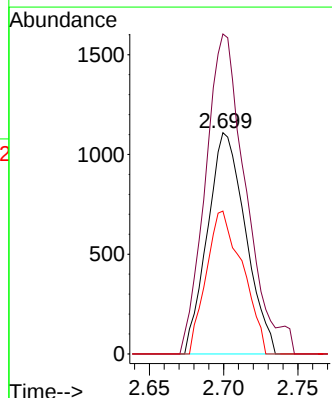
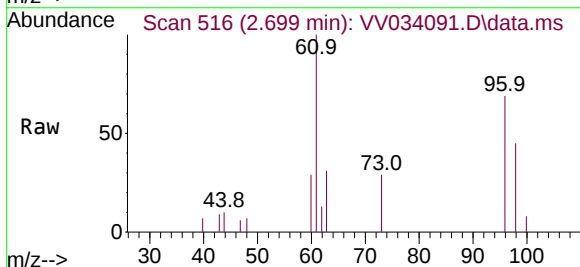
Tgt Ion: 96 Resp: 1975

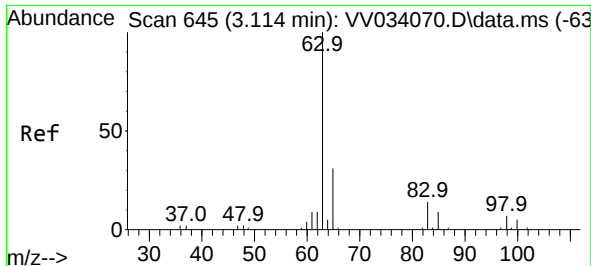
Ion Ratio Lower Upper

96 100

61 144.6 97.6 181.4

98 64.6 44.4 82.5

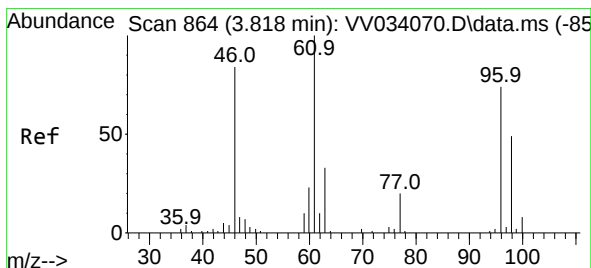
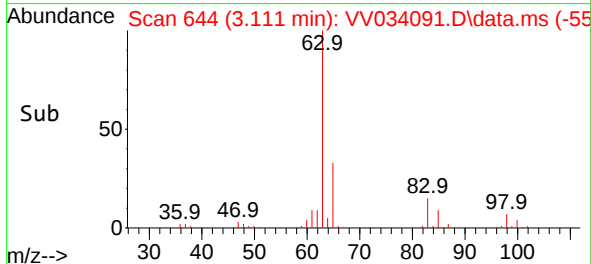
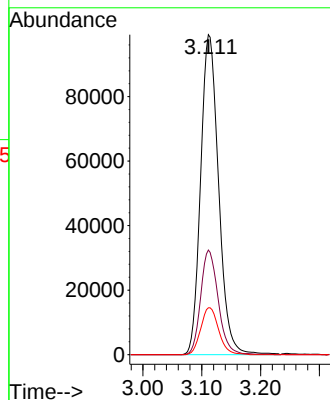
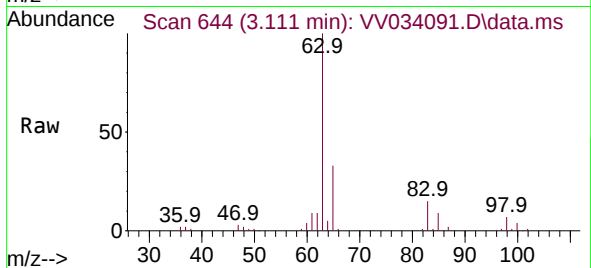




#19
1,1-Dichloroethane
Concen: 20.324 ug/L
RT: 3.111 min Scan# 64
Delta R.T. -0.003 min
Lab File: VV034091.D
Acq: 09 Feb 2024 04:33

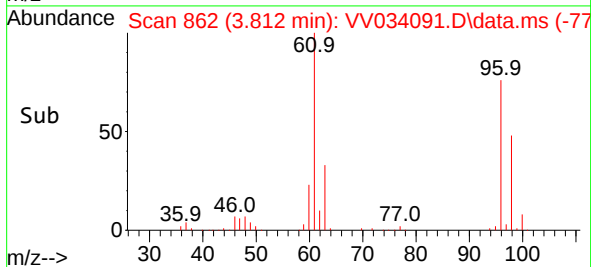
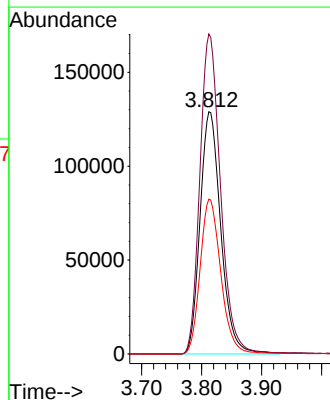
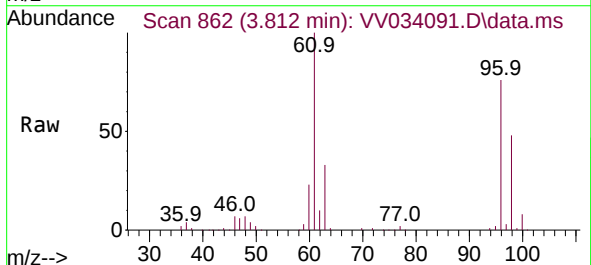
Instrument :
MSVOA_V
ClientSampleId :

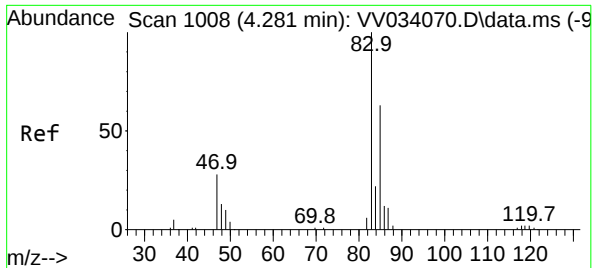
Tgt Ion: 63 Resp: 210419
Ion Ratio Lower Upper
63 100
65 32.7 20.8 38.6
83 14.7 9.4 17.4



#22
cis-1,2-Dichloroethene
Concen: 48.575 ug/L
RT: 3.812 min Scan# 862
Delta R.T. -0.006 min
Lab File: VV034091.D
Acq: 09 Feb 2024 04:33

Tgt Ion: 96 Resp: 310512
Ion Ratio Lower Upper
96 100
61 132.1 90.3 167.7
98 64.0 43.2 80.2

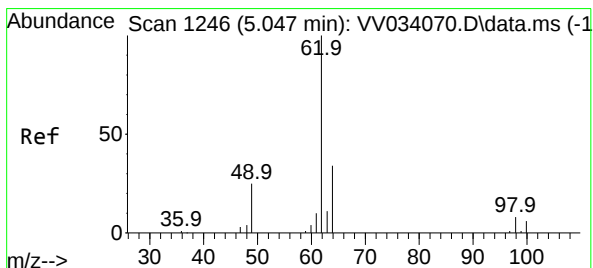
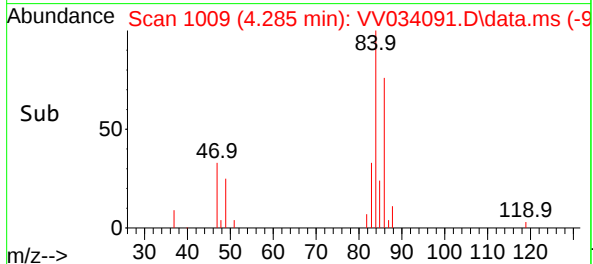
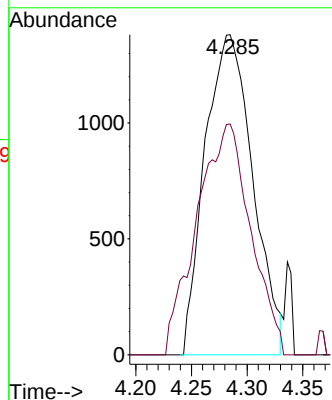
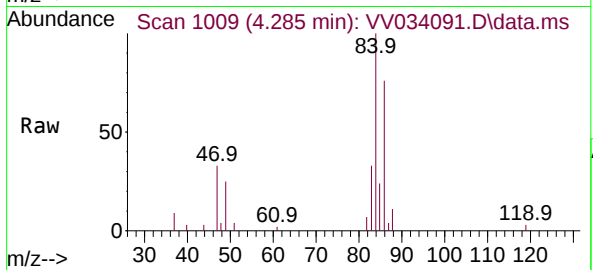




#25
Chloroform
Concen: 0.394 ug/L
RT: 4.285 min Scan# 1008
Delta R.T. 0.003 min
Lab File: VV034091.D
Acq: 09 Feb 2024 04:33

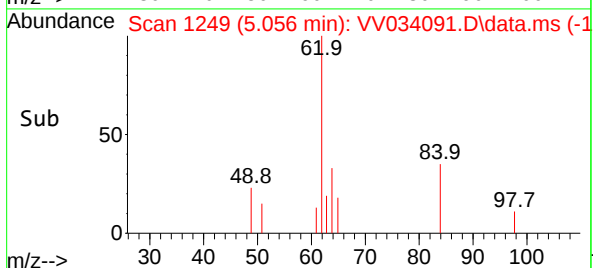
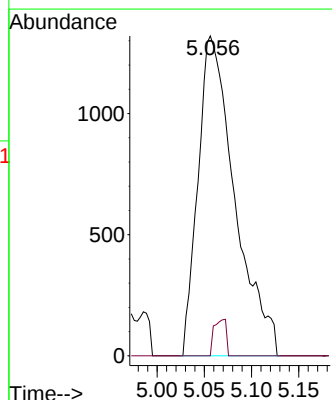
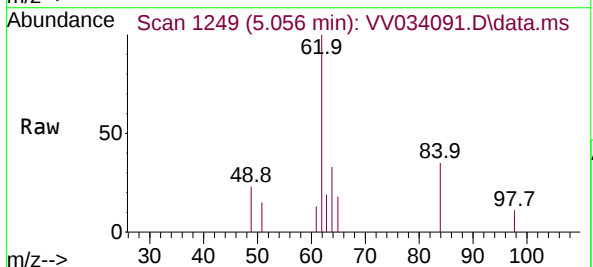
Instrument :
MSVOA_V
ClientSampleId :

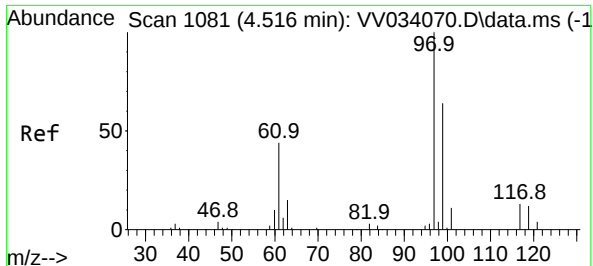
Tgt Ion: 83 Resp: 4121
Ion Ratio Lower Upper
83 100
85 72.1 47.5 88.1



#27
1,2-Dichloroethane
Concen: 0.597 ug/L
RT: 5.056 min Scan# 1249
Delta R.T. 0.010 min
Lab File: VV034091.D
Acq: 09 Feb 2024 04:33

Tgt Ion: 62 Resp: 3575
Ion Ratio Lower Upper
62 100
98 0.0 6.9 10.3#





#29

1,1,1-Trichloroethane

Concen: 6.642 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.003 min

Lab File: VV034091.D

Acq: 09 Feb 2024 04:33

Instrument :

MSVOA_V

ClientSampleId :

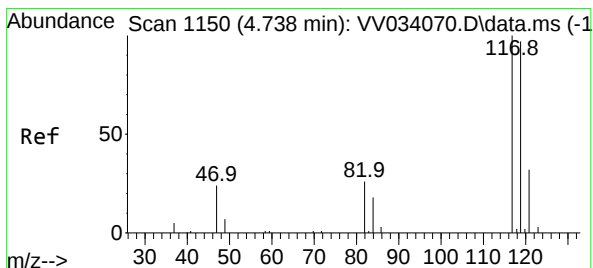
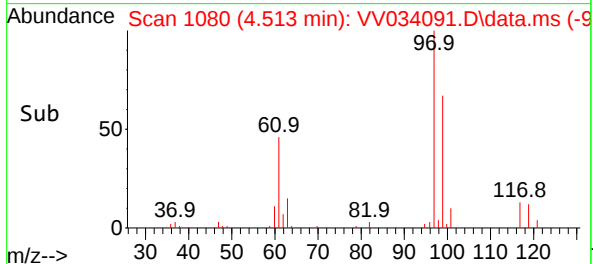
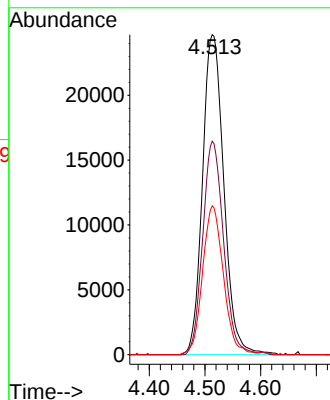
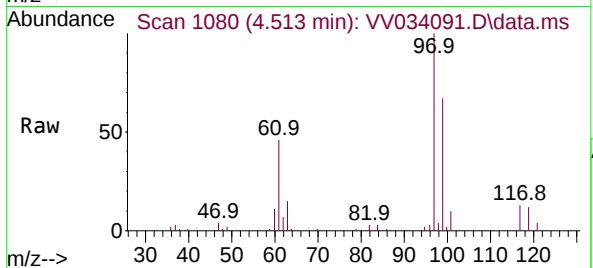
Tgt Ion: 97 Resp: 65720

Ion Ratio Lower Upper

97 100

99 65.1 50.6 75.8

61 45.4 36.8 55.2



#31

Carbon tetrachloride

Concen: 0.933 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.222 min

Lab File: VV034091.D

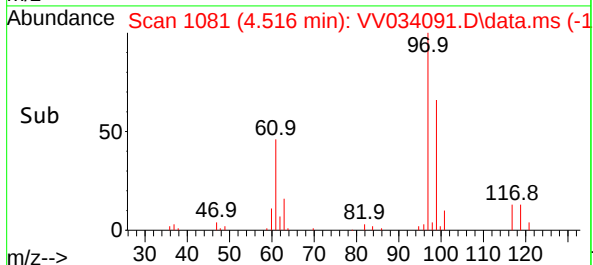
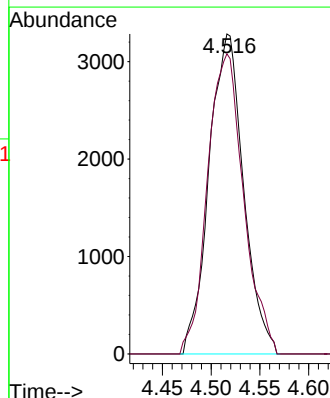
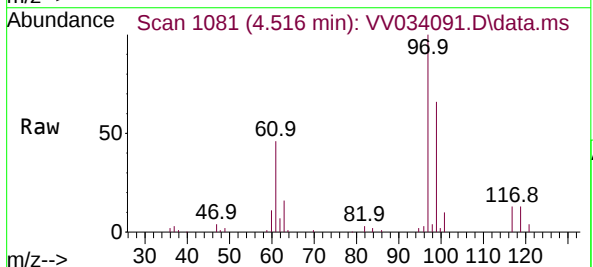
Acq: 09 Feb 2024 04:33

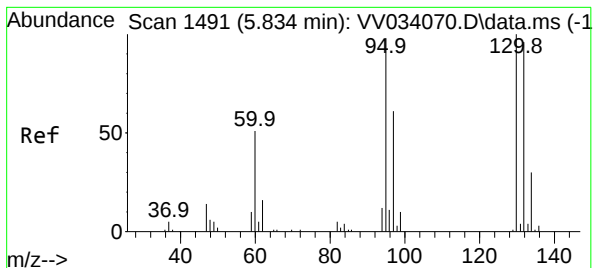
Tgt Ion: 117 Resp: 8078

Ion Ratio Lower Upper

117 100

119 98.2 76.1 114.1





#34

Trichloroethene

Concen: 57.441 ug/L

RT: 5.831 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV034091.D

Acq: 09 Feb 2024 04:33

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 367443

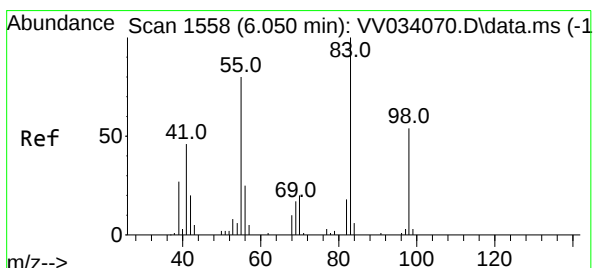
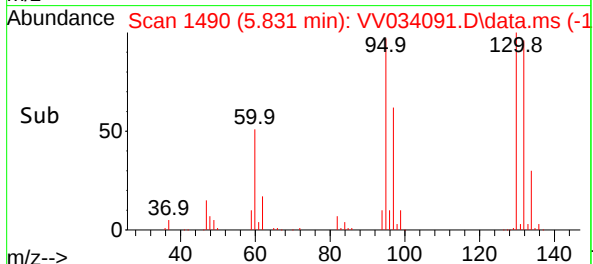
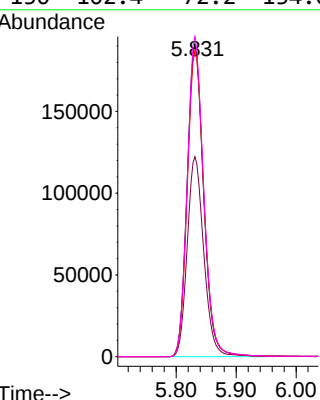
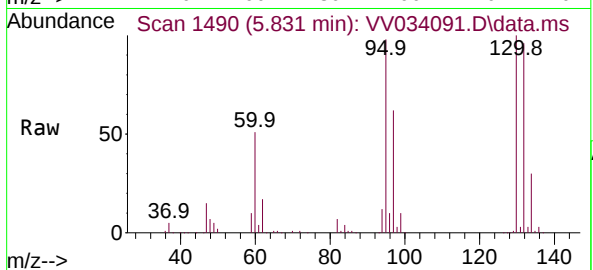
Ion Ratio Lower Upper

95 100

97 64.0 45.1 83.7

132 97.8 66.0 122.6

130 102.4 72.2 134.0



#35

Methylcyclohexane

Concen: 0.665 ug/L

RT: 5.992 min Scan# 1540

Delta R.T. -0.058 min

Lab File: VV034091.D

Acq: 09 Feb 2024 04:33

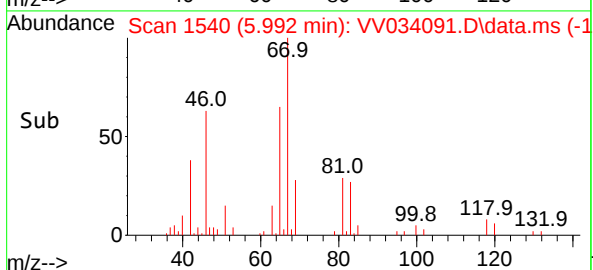
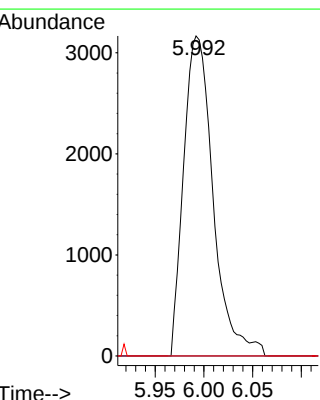
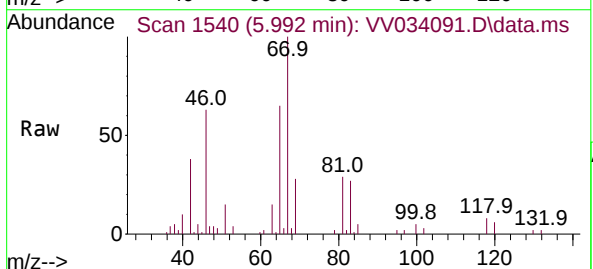
Tgt Ion: 83 Resp: 6676

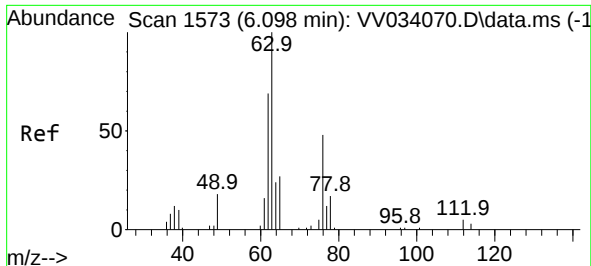
Ion Ratio Lower Upper

83 100

55 0.0 63.5 95.3#

98 4.3 39.0 58.4#

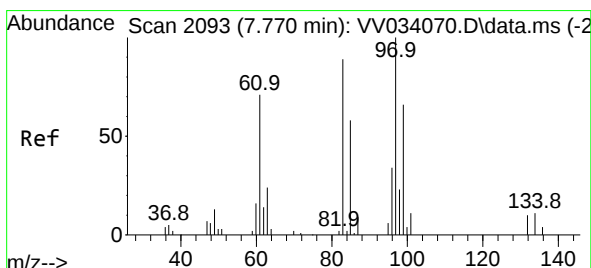
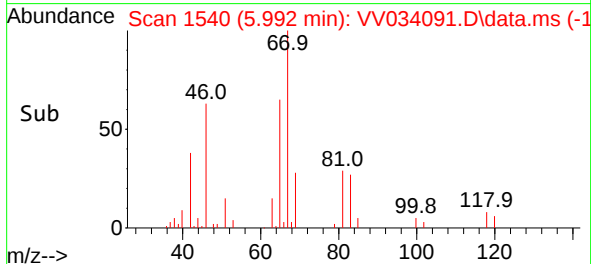
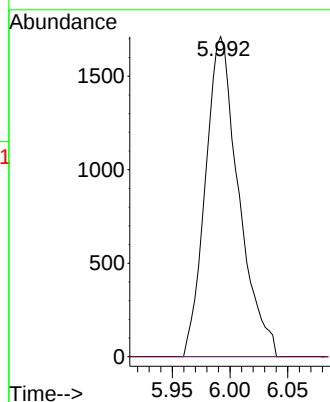
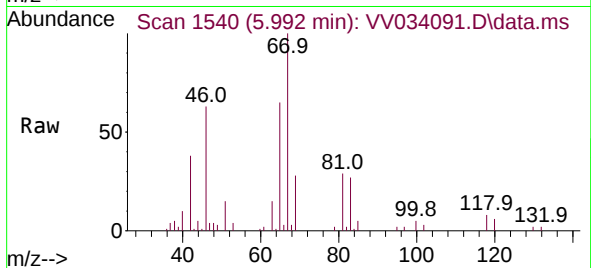




#37
 1,2-Dichloropropane
 Concen: 0.641 ug/L
 RT: 5.992 min Scan# 111
 Delta R.T. -0.106 min
 Lab File: VV034091.D
 Acq: 09 Feb 2024 04:33

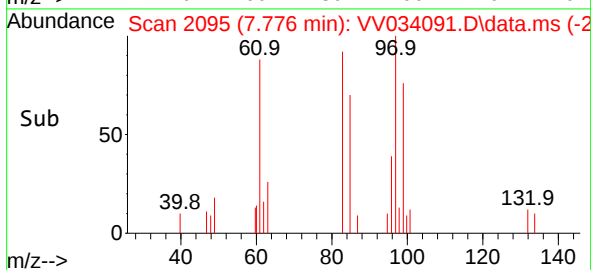
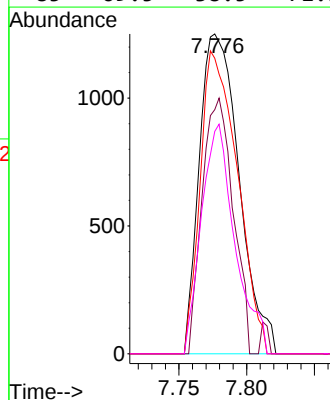
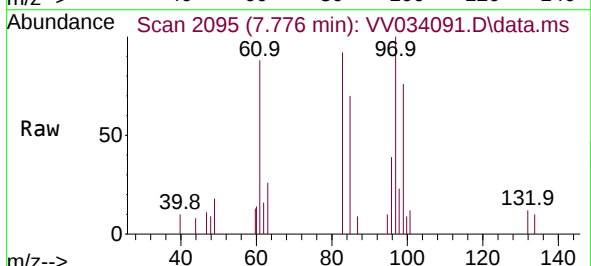
Instrument :
 MSVOA_V
 ClientSampleId :

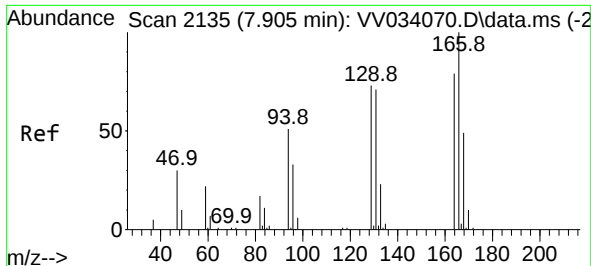
Tgt Ion: 63 Resp: 3430
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#45
 1,1,2-Trichloroethane
 Concen: 0.773 ug/L
 RT: 7.776 min Scan# 2095
 Delta R.T. 0.006 min
 Lab File: VV034091.D
 Acq: 09 Feb 2024 04:33

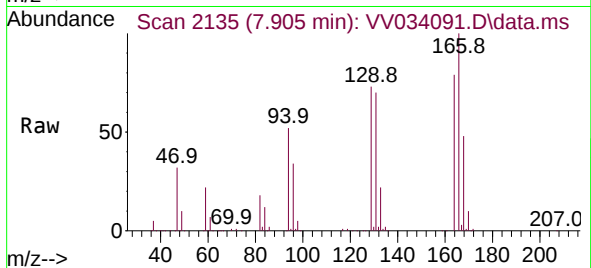
Tgt Ion: 97 Resp: 2554
 Ion Ratio Lower Upper
 97 100
 99 76.3 45.6 84.6
 83 92.4 62.3 115.7
 85 69.5 38.5 71.5



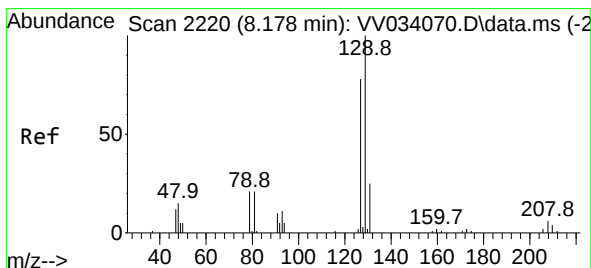
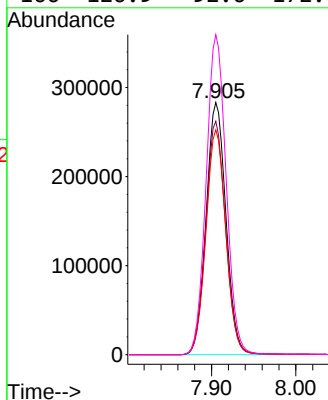
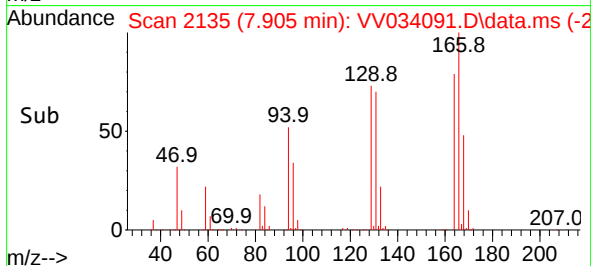


#47
Tetrachloroethene
Concen: 89.652 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV034091.D
Acq: 09 Feb 2024 04:33

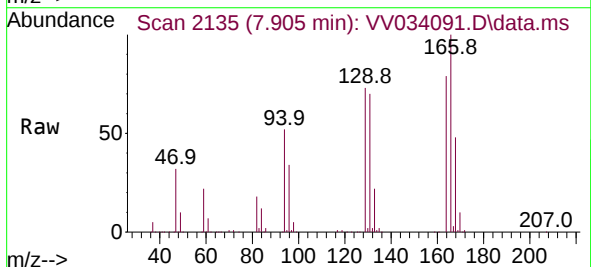
Instrument :
MSVOA_V
ClientSampleId :



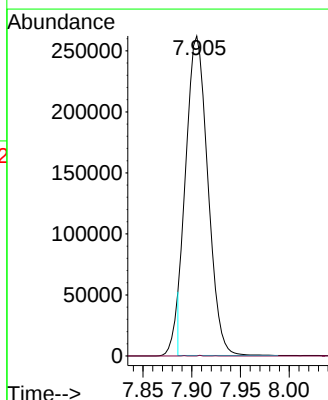
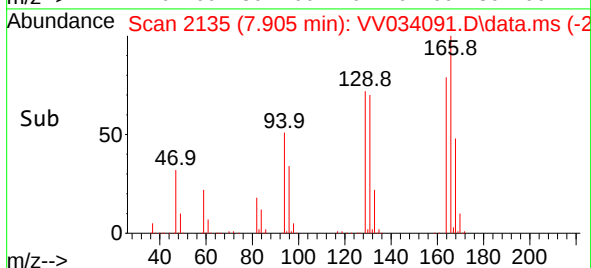
Tgt Ion:164 Resp: 465985
Ion Ratio Lower Upper
164 100
129 92.6 67.8 125.8
131 89.2 63.0 117.0
166 126.9 92.6 172.0

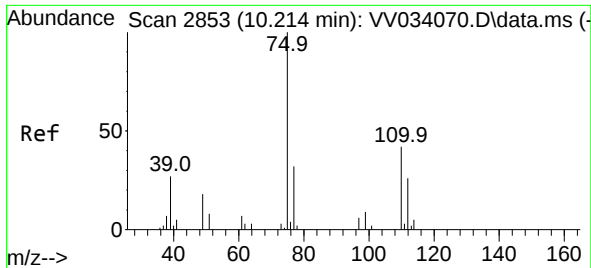


#49
Dibromochloromethane
Concen: 103.358 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.273 min
Lab File: VV034091.D
Acq: 09 Feb 2024 04:33



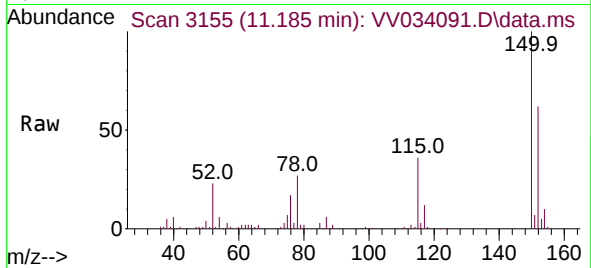
Tgt Ion:129 Resp: 406060
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#





#61
 1,2,3-Trichloropropane
 Concen: 1.687 ug/L
 RT: 11.185 min Scan# 31
 Delta R.T. 0.971 min
 Lab File: VV034091.D
 Acq: 09 Feb 2024 04:33

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 4406
 Ion Ratio Lower Upper
 75 100
 77 37.8 26.9 40.3
 110 1.1 33.3 49.9#

