

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021324\
 Data File : VW034151.D
 Acq On : 13 Feb 2024 13:35
 Operator : SY/MD
 Sample : P1402-13DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 14 01:43:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 14 01:41:00 2024
 Response via : Initial Calibration

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

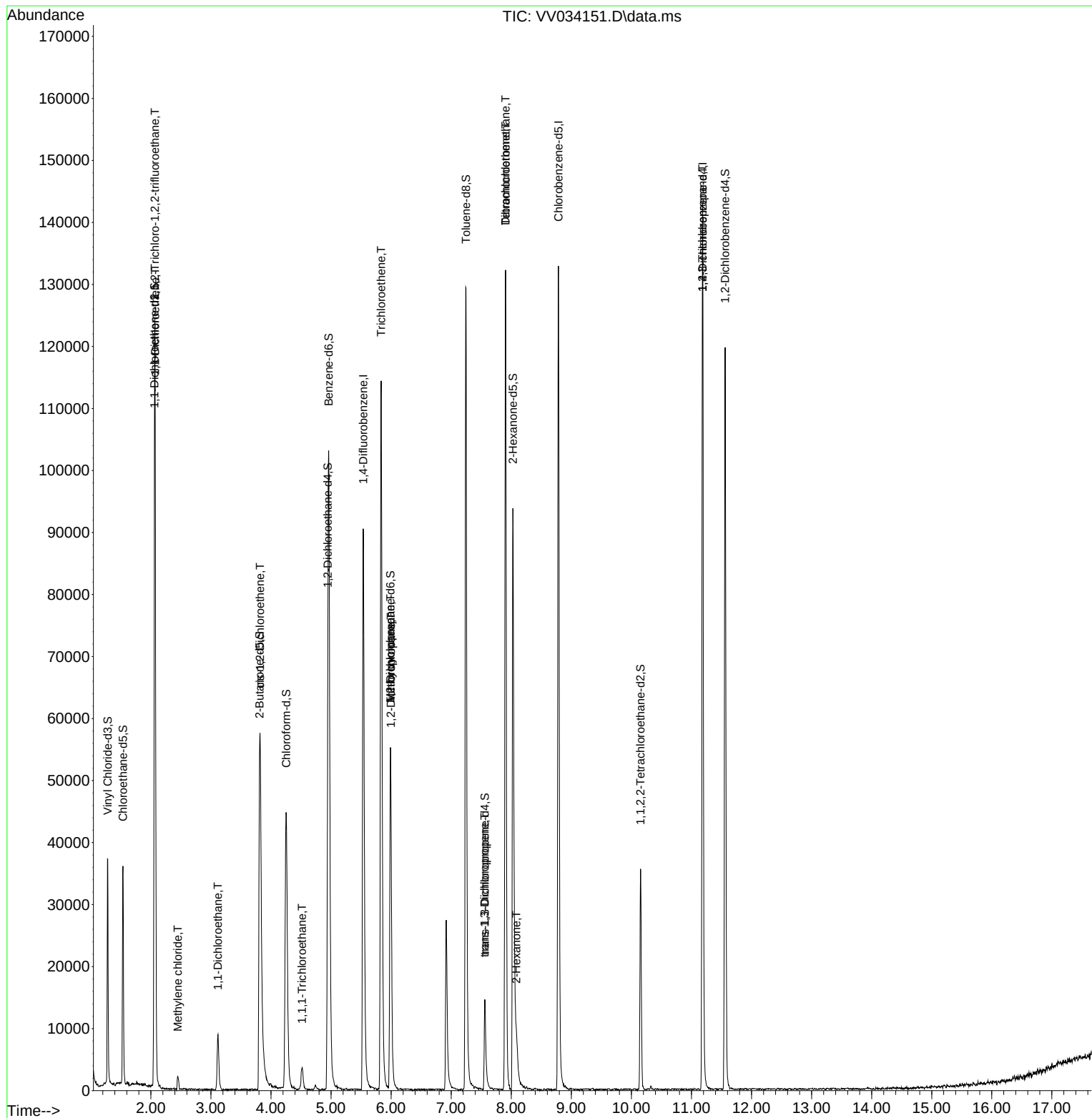
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	78402	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	72759	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	36850	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	23943	3.943	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.800%
7) Chloroethane-d5	1.536	69	22002	4.137	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.060	65	12164	4.154	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.000%
20) 2-Butanone-d5	3.809	46	43249	42.410	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.820%
24) Chloroform-d	4.252	84	49496	4.486	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	4.947	65	24601	4.771	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	4.960	84	91338	4.184	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	5.989	67	24959	4.090	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.800%
41) Toluene-d8	7.246	98	86741	4.324	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	7.561	79	9518	4.131	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.600%
46) 2-Hexanone-d5	8.027	63	33225	40.394	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.780%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	16083	4.348	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	30219	4.509	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	1155	0.205	ug/L #	74
12) 1,1-Dichloroethene	2.072	96	20705	3.780	ug/L	98
16) Methylene chloride	2.449	84	849	0.162	ug/L	96
19) 1,1-Dichloroethane	3.117	63	9417	0.919	ug/L	99
22) cis-1,2-Dichloroethene	3.818	96	21904	3.461	ug/L	98
29) 1,1,1-Trichloroethane	4.516	97	3422	0.350	ug/L	98
34) Trichloroethene	5.834	95	39648	6.278	ug/L	97
35) Methylcyclohexane	5.989	83	6803	0.686	ug/L #	17
37) 1,2-Dichloropropane	5.995	63	3507	0.663	ug/L #	87
44) trans-1,3-Dichloropropene	7.558	75	497	0.080	ug/L #	82
47) Tetrachloroethene	7.905	164	28054	5.467	ug/L	96
48) 2-Hexanone	8.085	43	5754	3.225	ug/L #	86
49) Dibromochloromethane	7.905	129	25691	6.623	ug/L #	11
61) 1,2,3-Trichloropropane	11.185	75	4243	1.675	ug/L #	64

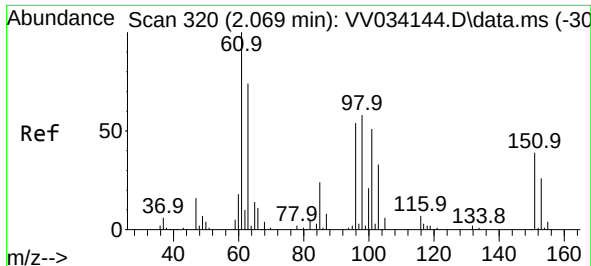
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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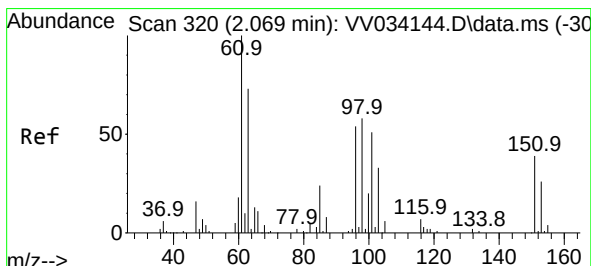
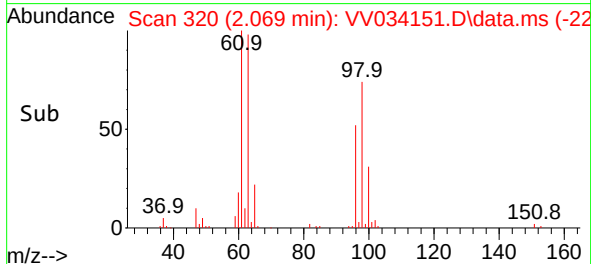
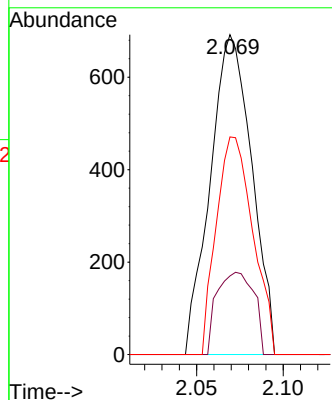
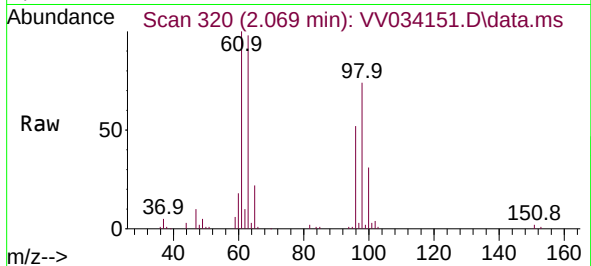




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.205 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV034151.D
 Acq: 13 Feb 2024 13:35

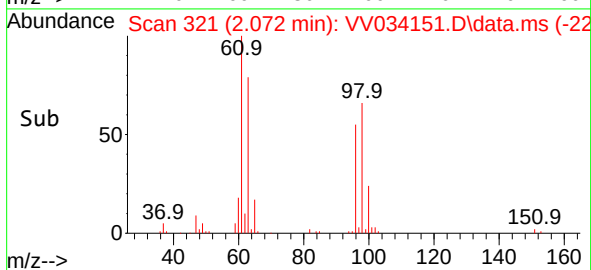
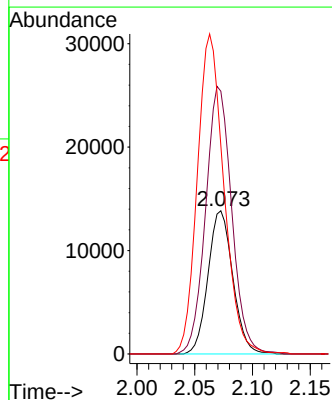
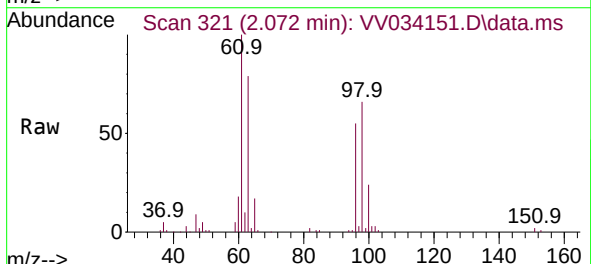
Instrument :
 MSVOA_V
 ClientSampleId :

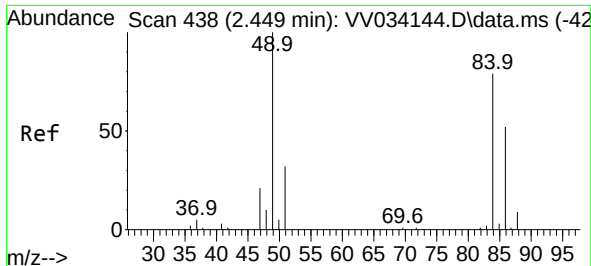
Tgt Ion:101 Resp: 1155
 Ion Ratio Lower Upper
 101 100
 85 22.8 37.1 55.7#
 151 59.9 61.7 92.5#



#12
 1,1-Dichloroethene
 Concen: 3.780 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV034151.D
 Acq: 13 Feb 2024 13:35

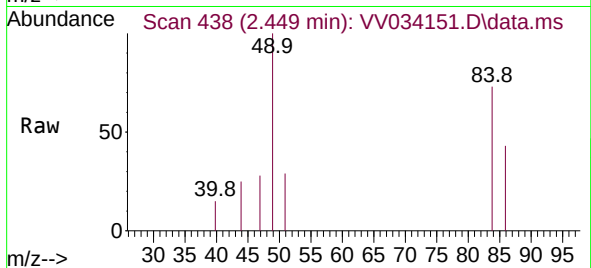
Tgt Ion: 96 Resp: 20705
 Ion Ratio Lower Upper
 96 100
 61 183.4 128.8 239.2
 63 145.6 97.9 181.9





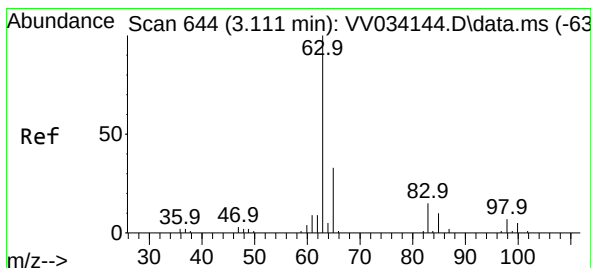
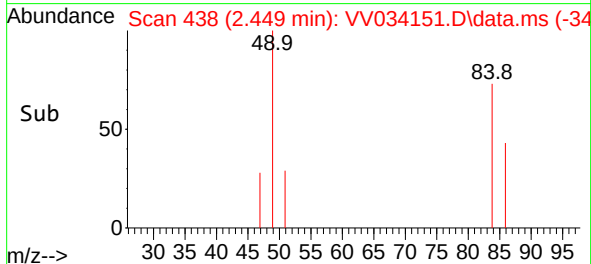
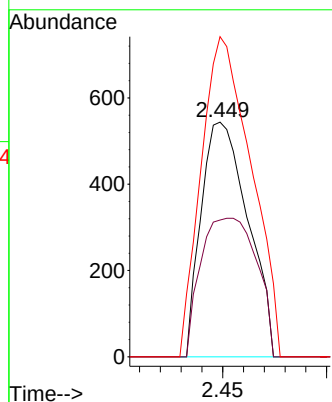
#16
Methylene chloride
Concen: 0.162 ug/L
RT: 2.449 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV034151.D
Acq: 13 Feb 2024 13:35

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 849

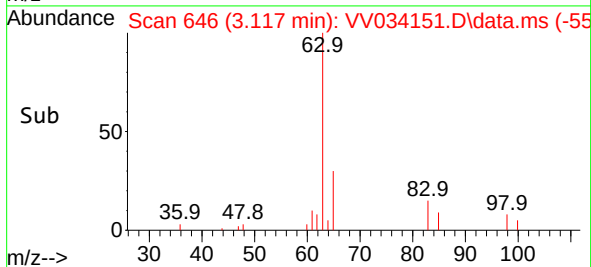
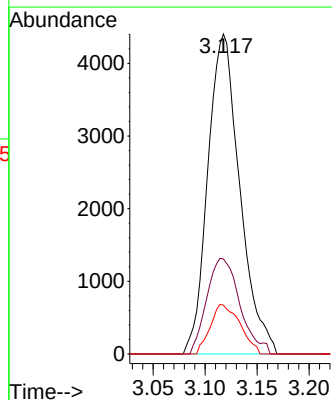
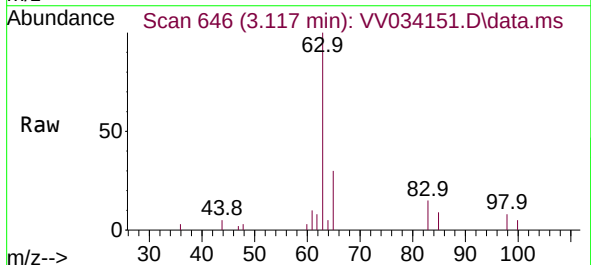
Ion	Ratio	Lower	Upper
84	100		
86	58.3	44.7	83.1
49	136.4	93.7	173.9

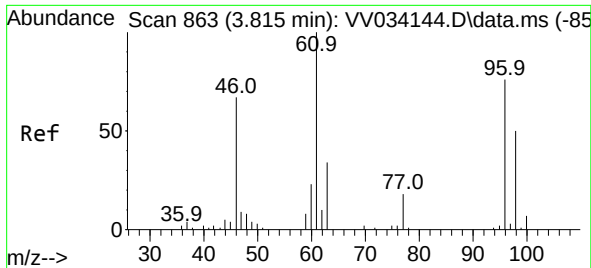


#19
1,1-Dichloroethane
Concen: 0.919 ug/L
RT: 3.117 min Scan# 646
Delta R.T. 0.006 min
Lab File: VV034151.D
Acq: 13 Feb 2024 13:35

Tgt Ion: 63 Resp: 9417

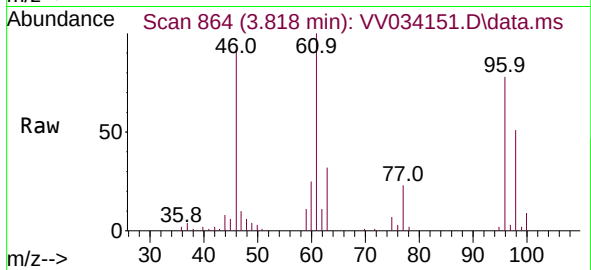
Ion	Ratio	Lower	Upper
63	100		
65	29.7	20.8	38.6
83	15.2	9.4	17.4



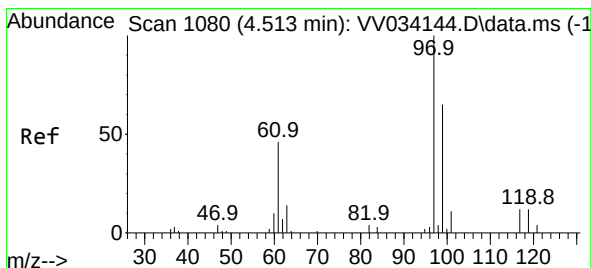
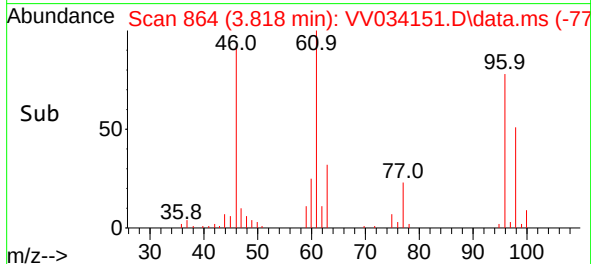
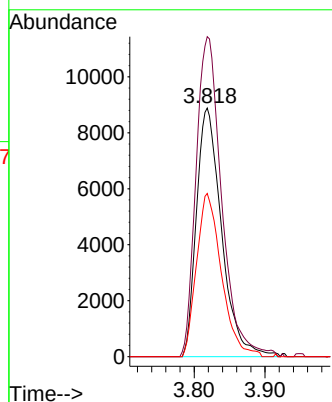


#22
 cis-1,2-Dichloroethene
 Concen: 3.461 ug/L
 RT: 3.818 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV034151.D
 Acq: 13 Feb 2024 13:35

Instrument :
 MSVOA_V
 ClientSampleId :

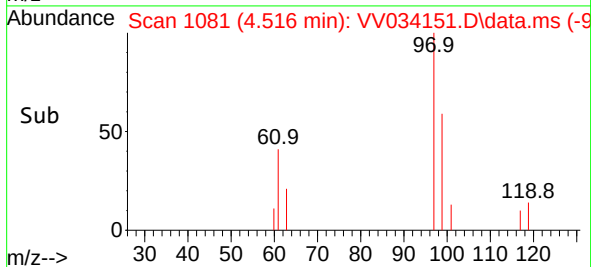
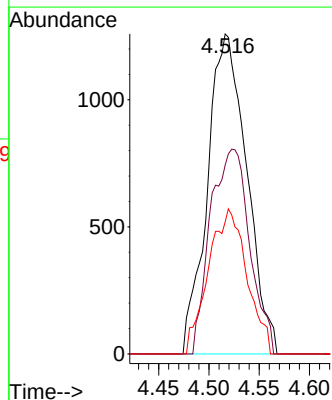
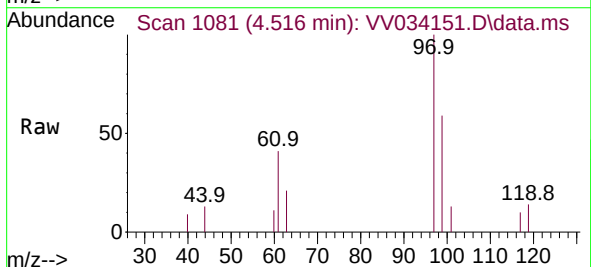


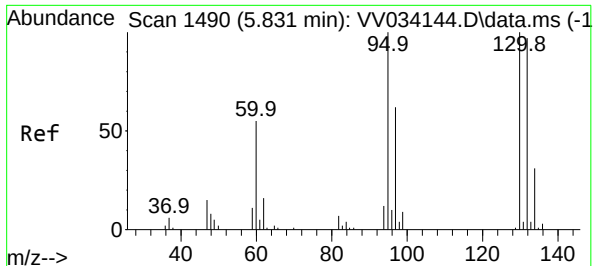
Tgt Ion: 96 Resp: 21904
 Ion Ratio Lower Upper
 96 100
 61 128.7 90.3 167.7
 98 65.7 43.2 80.2



#29
 1,1,1-Trichloroethane
 Concen: 0.350 ug/L
 RT: 4.516 min Scan# 1081
 Delta R.T. 0.003 min
 Lab File: VV034151.D
 Acq: 13 Feb 2024 13:35

Tgt Ion: 97 Resp: 3422
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.6 75.8
 61 44.4 36.8 55.2

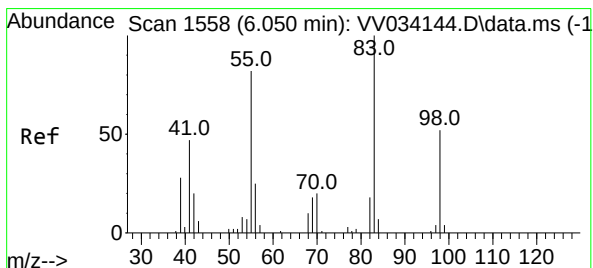
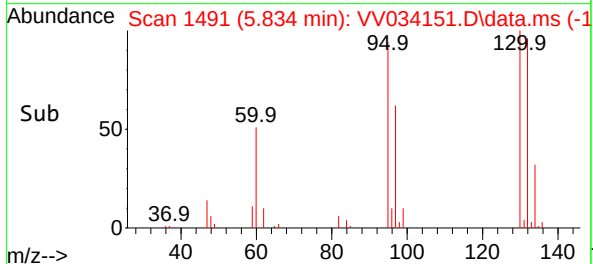
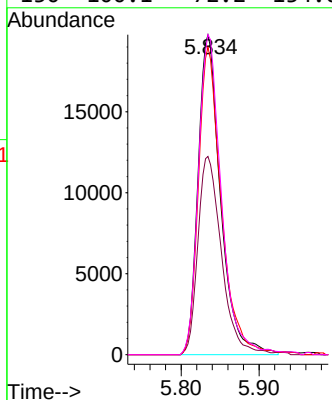
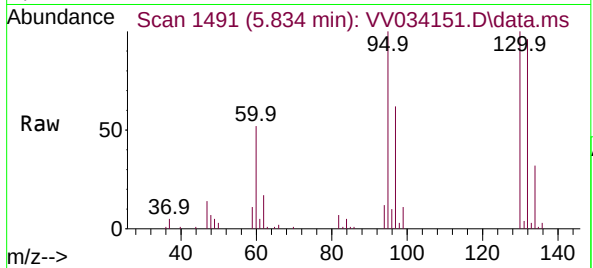




#34
Trichloroethene
Concen: 6.278 ug/L
RT: 5.834 min Scan# 1490
Delta R.T. 0.003 min
Lab File: VV034151.D
Acq: 13 Feb 2024 13:35

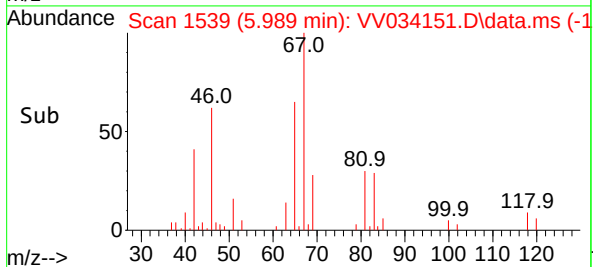
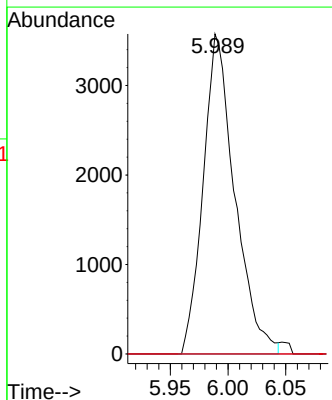
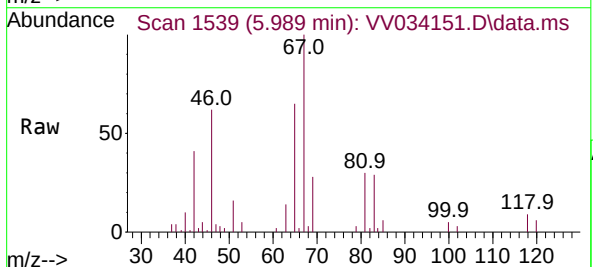
Instrument :
MSVOA_V
ClientSampleId :

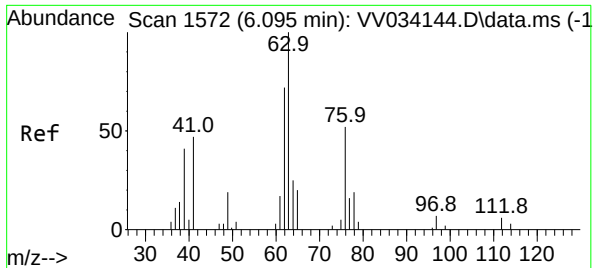
Tgt Ion: 95 Resp: 39648
Ion Ratio Lower Upper
95 100
97 62.0 45.1 83.7
132 96.2 66.0 122.6
130 100.1 72.2 134.0



#35
Methylcyclohexane
Concen: 0.686 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.061 min
Lab File: VV034151.D
Acq: 13 Feb 2024 13:35

Tgt Ion: 83 Resp: 6803
Ion Ratio Lower Upper
83 100
55 0.0 63.5 95.3#
98 0.0 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 0.663 ug/L

RT: 5.995 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV034151.D

Acq: 13 Feb 2024 13:35

Instrument :

MSVOA_V

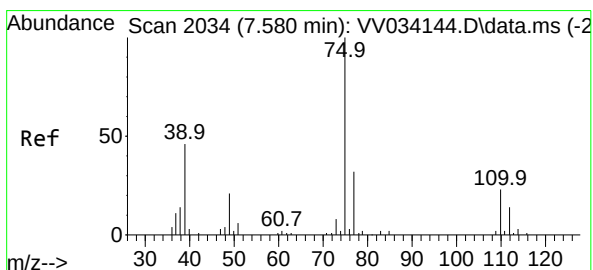
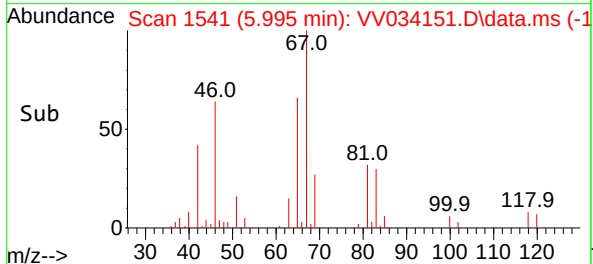
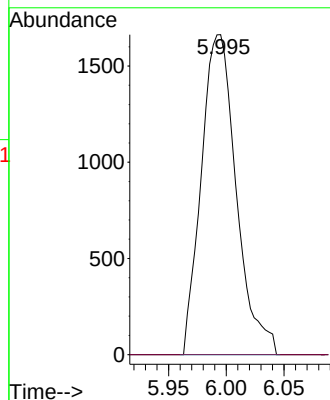
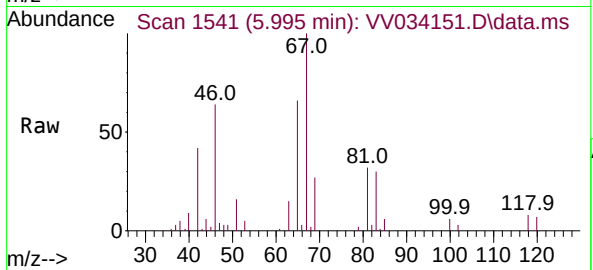
ClientSampleId :

Tgt Ion: 63 Resp: 3507

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.558 min Scan# 2027

Delta R.T. -0.023 min

Lab File: VV034151.D

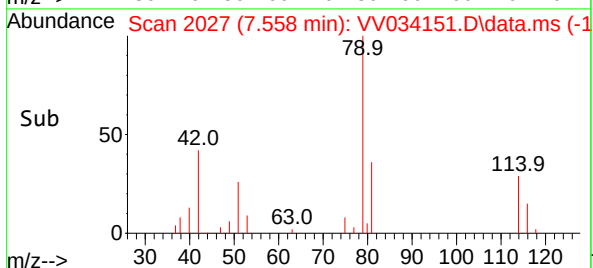
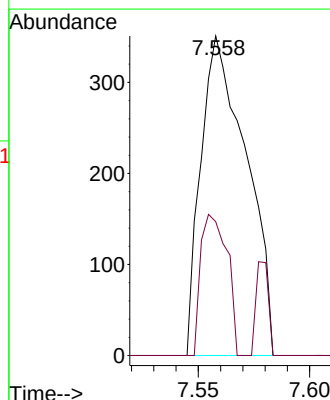
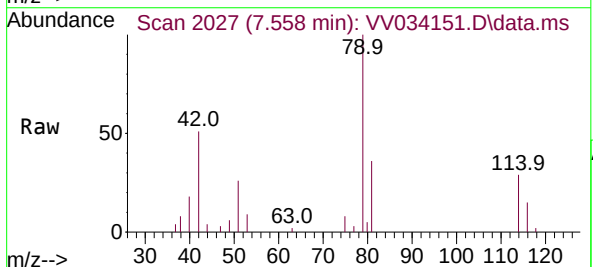
Acq: 13 Feb 2024 13:35

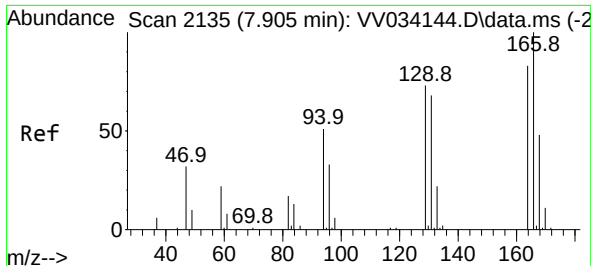
Tgt Ion: 75 Resp: 497

Ion Ratio Lower Upper

75 100

77 41.9 22.2 41.2#





#47

Tetrachloroethene

Concen: 5.467 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

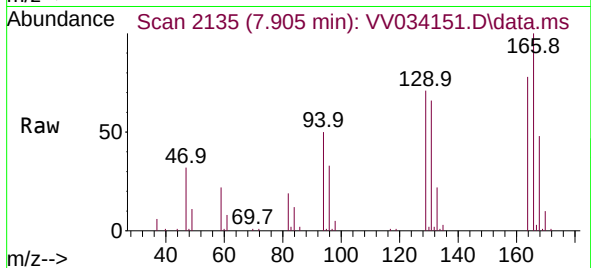
Lab File: VV034151.D

Acq: 13 Feb 2024 13:35

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 28054

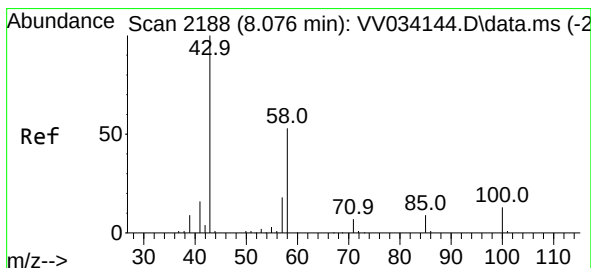
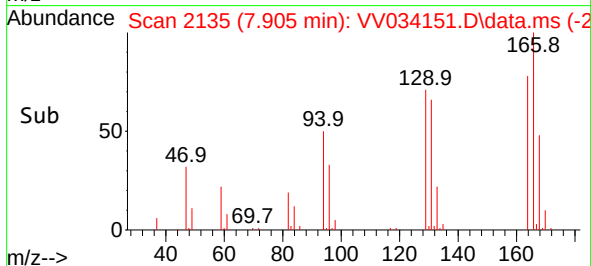
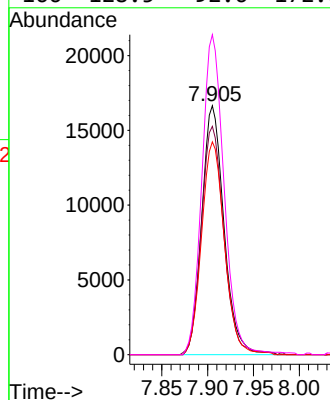
Ion Ratio Lower Upper

164 100

129 91.7 67.8 125.8

131 85.5 63.0 117.0

166 128.5 92.6 172.0



#48

2-Hexanone

Concen: 3.225 ug/L

RT: 8.085 min Scan# 2191

Delta R.T. 0.010 min

Lab File: VV034151.D

Acq: 13 Feb 2024 13:35

Tgt Ion: 43 Resp: 5754

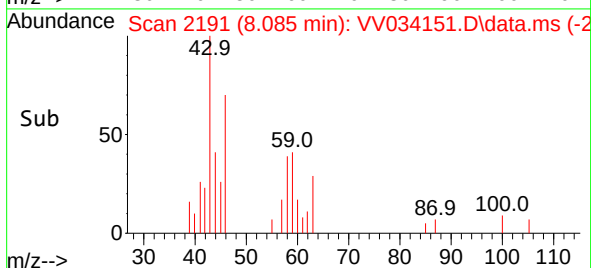
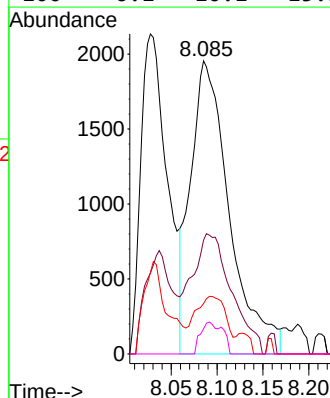
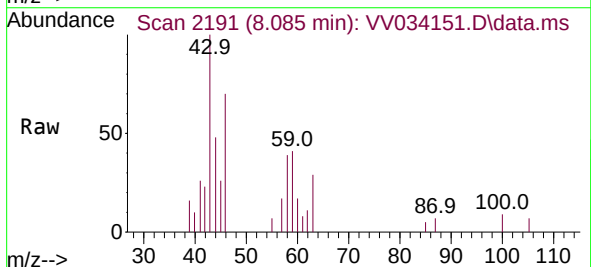
Ion Ratio Lower Upper

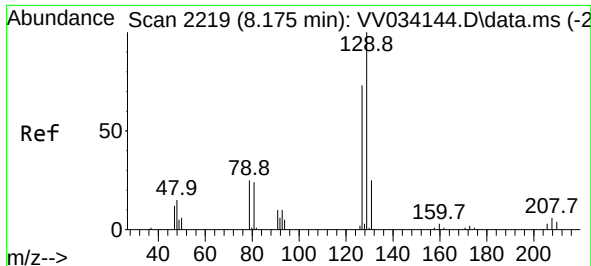
43 100

58 42.5 42.6 64.0#

57 16.1 15.5 23.3

100 6.1 10.1 15.1#





#49

Dibromochloromethane

Concen: 6.623 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.270 min

Lab File: VV034151.D

Acq: 13 Feb 2024 13:35

Instrument :

MSVOA_V

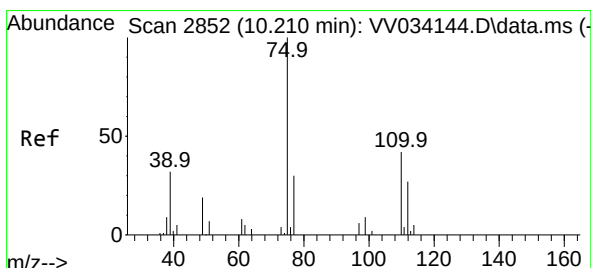
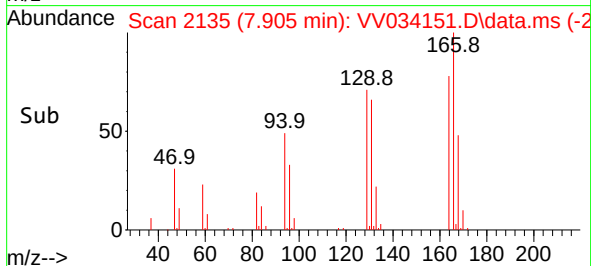
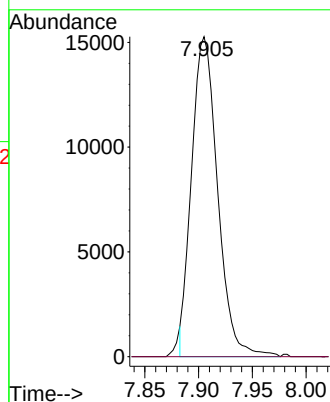
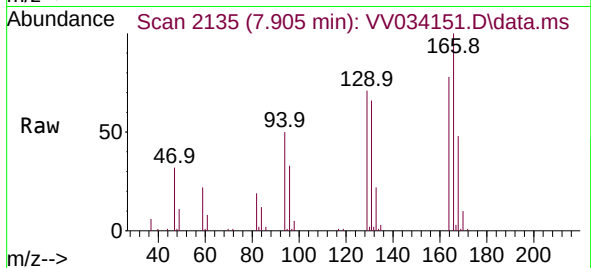
ClientSampleId :

Tgt Ion:129 Resp: 25691

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#61

1,2,3-Trichloropropane

Concen: 1.675 ug/L

RT: 11.185 min Scan# 3155

Delta R.T. 0.974 min

Lab File: VV034151.D

Acq: 13 Feb 2024 13:35

Tgt Ion: 75 Resp: 4243

Ion Ratio Lower Upper

75 100

77 36.0 26.9 40.3

110 2.3 33.3 49.9#

