

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020524\
 Data File : VW033982.D
 Acq On : 05 Feb 2024 12:51
 Operator : SY/MD
 Sample : P1289-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 06 05:13:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 06 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	82218	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	79711	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	41355	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	29834	4.685	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.800%
7) Chloroethane-d5	1.535	69	27378	4.909	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.200%
11) 1,1-Dichloroethene-d2	2.060	65	15466	5.036	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.800%
20) 2-Butanone-d5	3.812	46	45549	42.592	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.180%
24) Chloroform-d	4.252	84	53519	4.625	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	4.947	65	23245	4.299	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
32) Benzene-d6	4.963	84	93787	3.922	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.400%
36) 1,2-Dichloropropane-d6	5.989	67	27179	4.066	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.400%
41) Toluene-d8	7.243	98	91638	4.169	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
43) trans-1,3-Dichloroprop...	7.561	79	10212	4.046	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.027	63	33142	36.779	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.560%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	17747	4.379	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	11.561	152	32628	4.338	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	1945	0.237	ug/L	86
5) Vinyl chloride	1.285	62	3698	0.471	ug/L #	71
8) Chloroethane	1.285	64	1872	0.349	ug/L	95
9) Trichlorofluoromethane	1.716	101	4937	0.436	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	7978	1.349	ug/L #	29
12) 1,1-Dichloroethene	2.069	96	3241309	564.326	ug/L #	66
16) Methylene chloride	2.452	84	1890	0.343	ug/L	93
19) 1,1-Dichloroethane	3.111	63	1212749	112.817	ug/L	97
25) Chloroform	4.281	83	14300	1.316	ug/L	94
31) Carbon tetrachloride	4.548	117	6153596	657.154	ug/L	98
34) Trichloroethene	5.834	95	28578	4.130	ug/L	98
35) Methylcyclohexane	5.989	83	7003	0.645	ug/L #	17
37) 1,2-Dichloropropane	5.989	63	3707	0.640	ug/L #	87
39) cis-1,3-Dichloropropene	6.918	75	925	0.105	ug/L #	52
48) 2-Hexanone	8.085	43	7221	3.694	ug/L #	86
53) m,p-Xylene	9.095	106	658	0.059	ug/L	62
61) 1,2,3-Trichloropropane	11.185	75	4955	1.743	ug/L #	59
67) 1,2-Dichlorobenzene	11.583	146	2285	0.199	ug/L #	89
70) 1,2,4-trichlorobenzene	13.204	180	1964	0.244	ug/L #	94

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Feb 06 05:11:25 2024
Response via : Initial Calibration

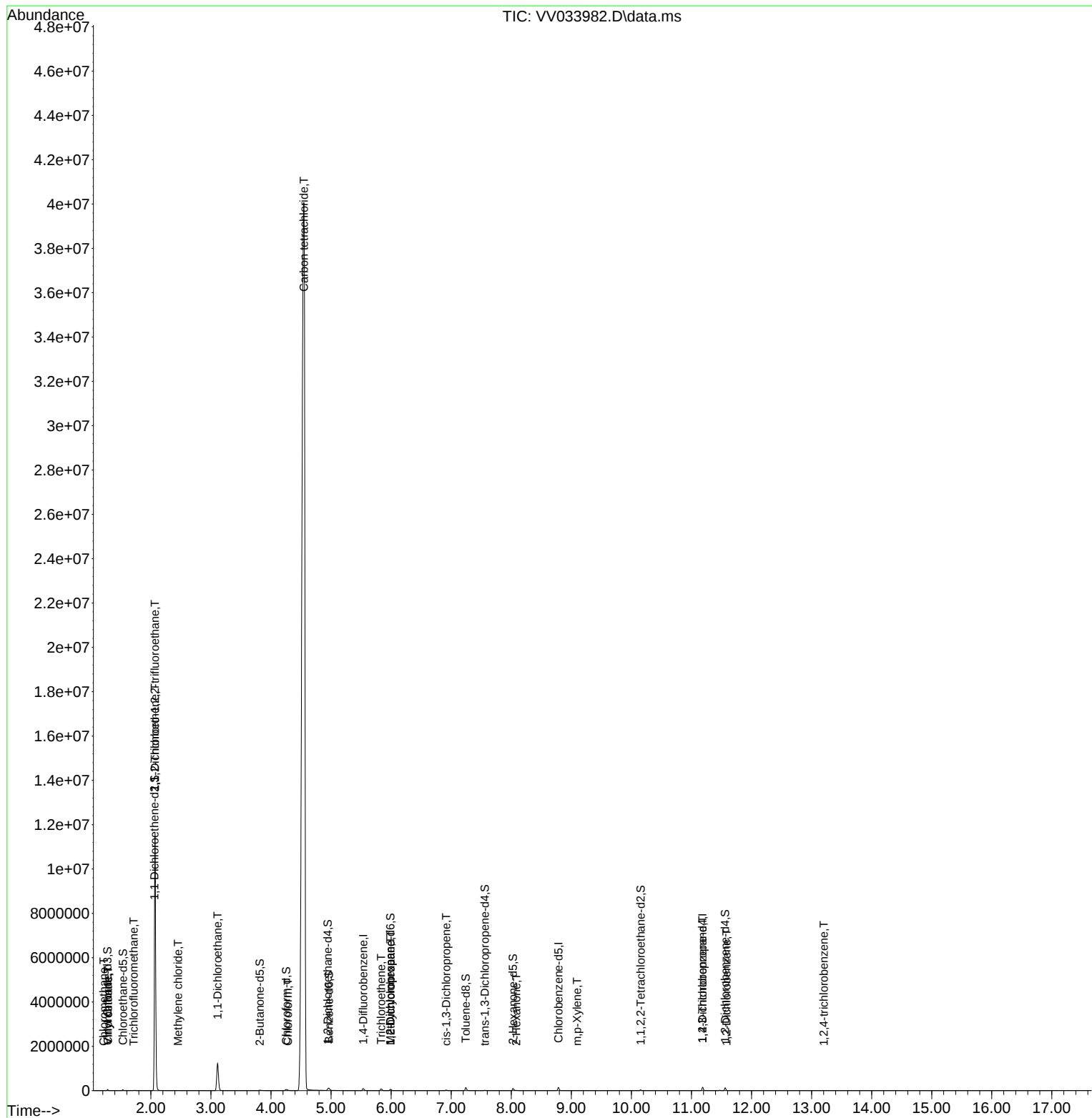
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

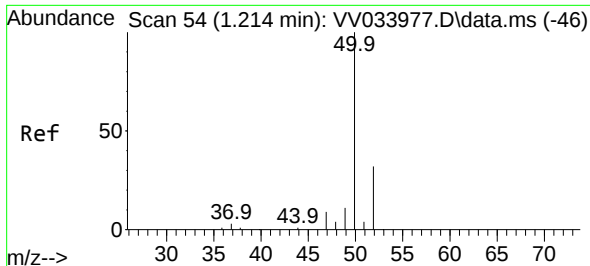
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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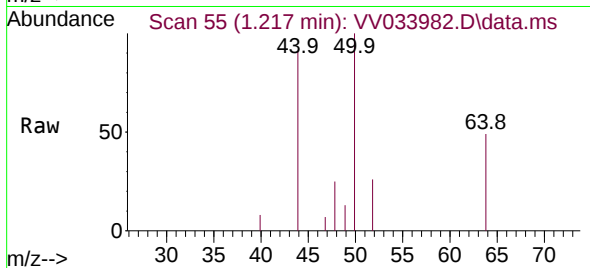
Quant Time: Feb 06 05:13:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
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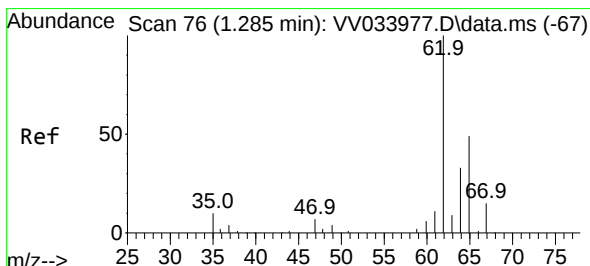
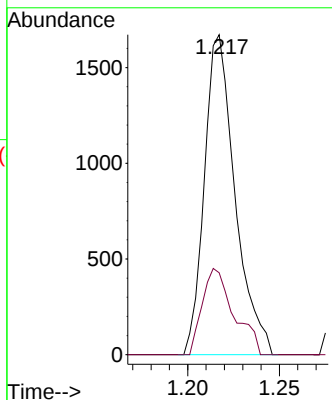
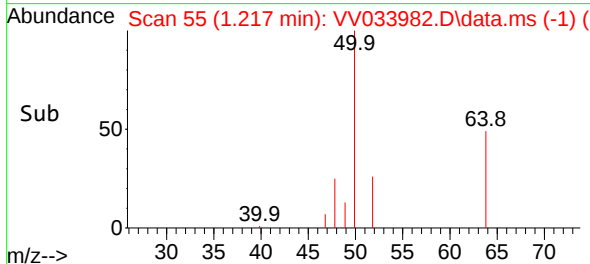


#3
Chloromethane
Concen: 0.237 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV033982.D
Acq: 05 Feb 2024 12:51

Instrument :
MSVOA_V
ClientSampleId :

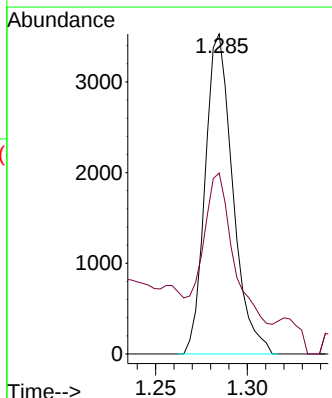
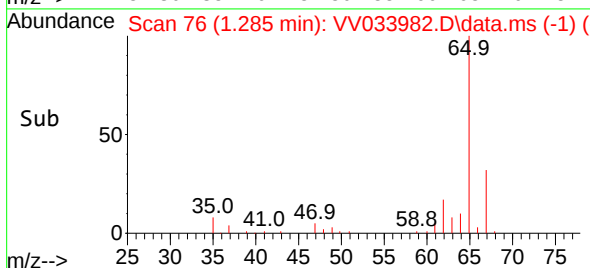
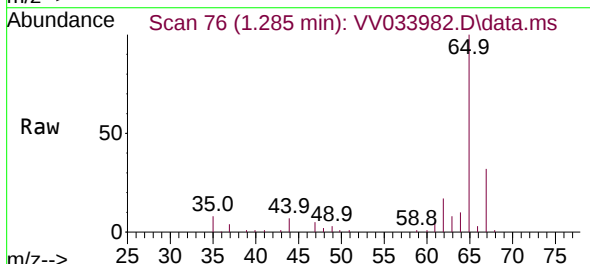


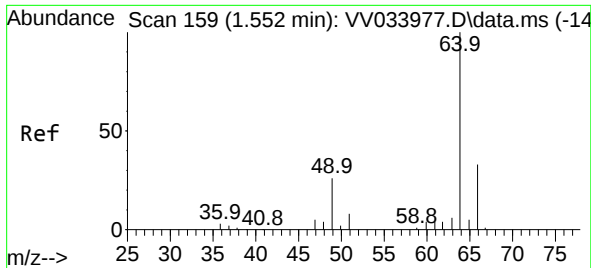
Tgt Ion: 50 Resp: 1945
Ion Ratio Lower Upper
50 100
52 25.6 23.4 43.4



#5
Vinyl chloride
Concen: 0.471 ug/L
RT: 1.285 min Scan# 76
Delta R.T. -0.000 min
Lab File: VV033982.D
Acq: 05 Feb 2024 12:51

Tgt Ion: 62 Resp: 3698
Ion Ratio Lower Upper
62 100
64 56.6 27.2 50.4#

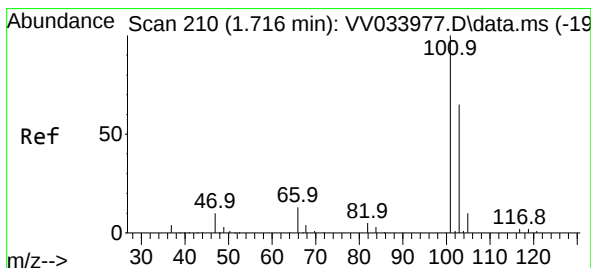
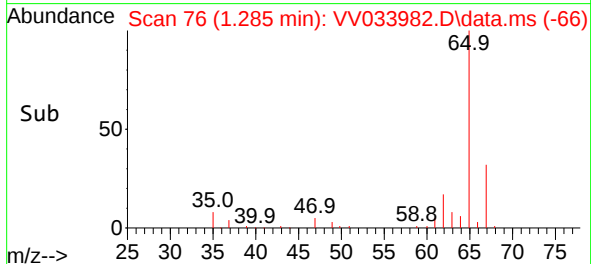
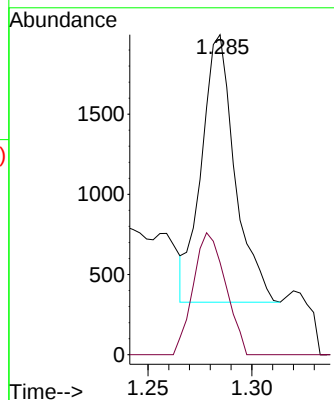
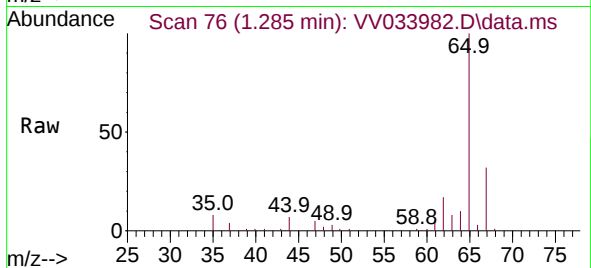




#8
Chloroethane
Concen: 0.349 ug/L
RT: 1.285 min Scan# 70
Delta R.T. -0.267 min
Lab File: VV033982.D
Acq: 05 Feb 2024 12:51

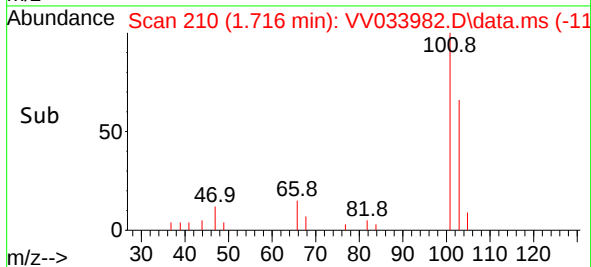
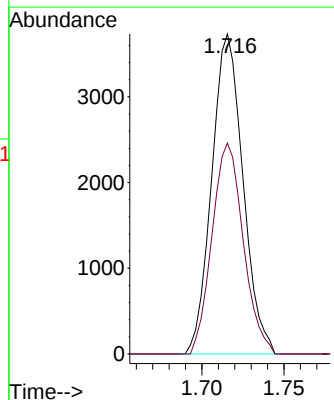
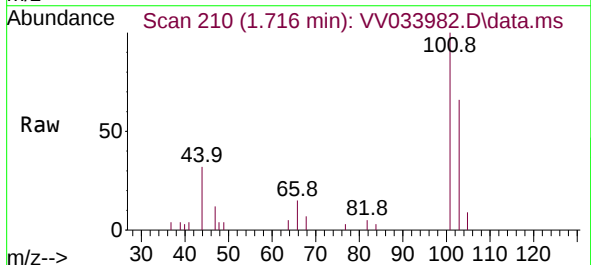
Instrument :
MSVOA_V
ClientSampleId :

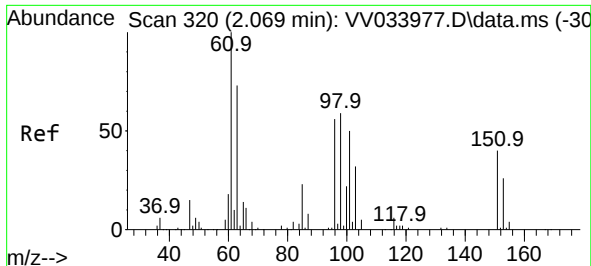
Tgt Ion: 64 Resp: 1872
Ion Ratio Lower Upper
64 100
66 28.8 22.0 41.0



#9
Trichlorofluoromethane
Concen: 0.436 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV033982.D
Acq: 05 Feb 2024 12:51

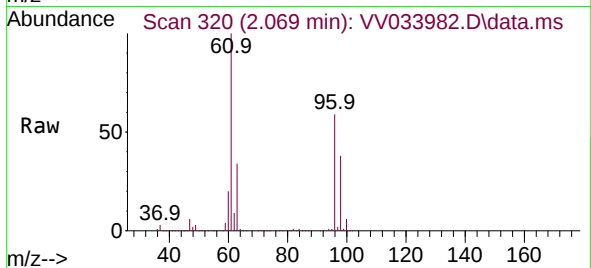
Tgt Ion: 101 Resp: 4937
Ion Ratio Lower Upper
101 100
103 65.9 51.0 76.4



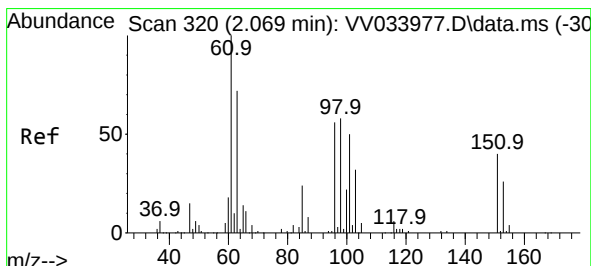
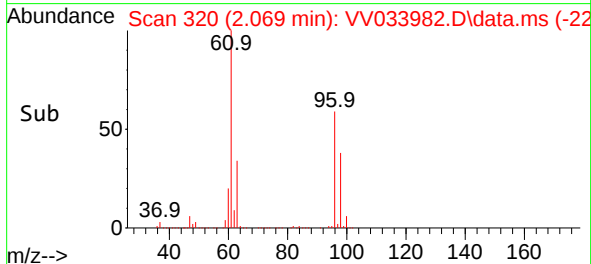
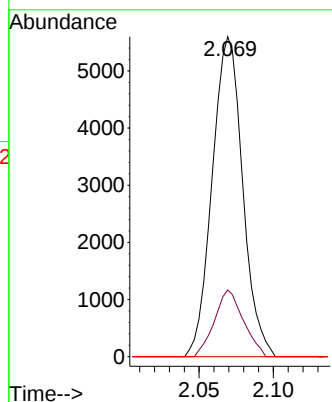


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.349 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV033982.D
 Acq: 05 Feb 2024 12:51

Instrument :
 MSVOA_V
 ClientSampleId :

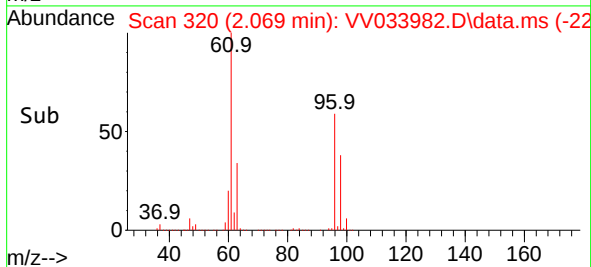
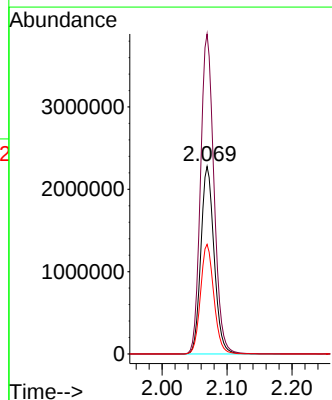
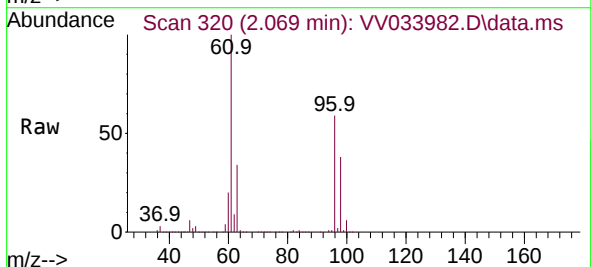


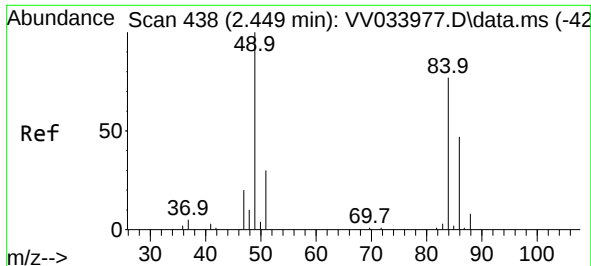
Tgt Ion:101 Resp: 7978
 Ion Ratio Lower Upper
 101 100
 85 19.8 37.1 55.7#
 151 0.0 61.7 92.5#



#12
 1,1-Dichloroethene
 Concen: 564.326 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033982.D
 Acq: 05 Feb 2024 12:51

Tgt Ion: 96 Resp: 3241309
 Ion Ratio Lower Upper
 96 100
 61 170.6 128.8 239.2
 63 58.5 97.9 181.9#

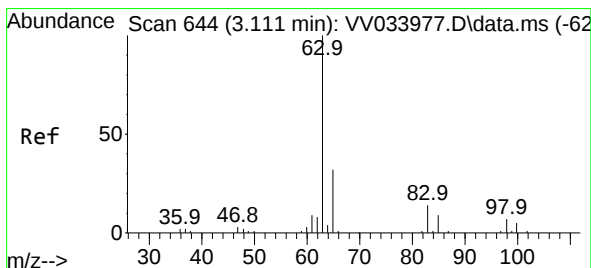
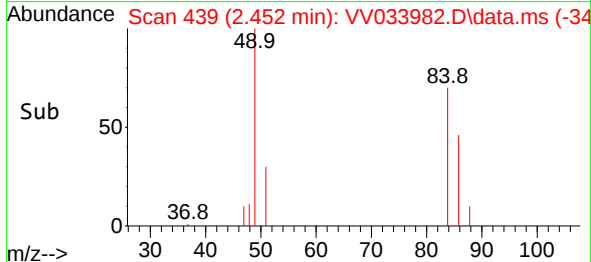
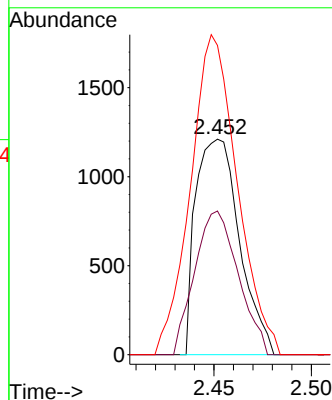
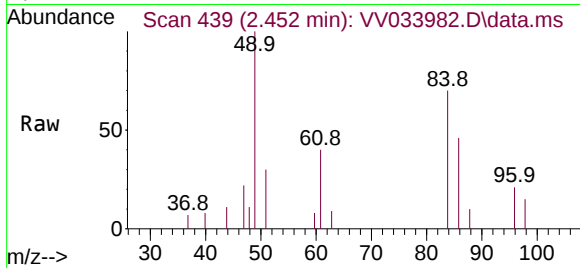




#16
Methylene chloride
Concen: 0.343 ug/L
RT: 2.452 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV033982.D
Acq: 05 Feb 2024 12:51

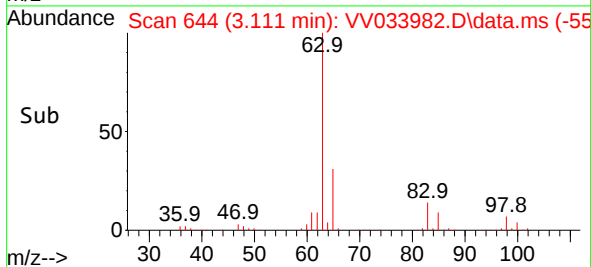
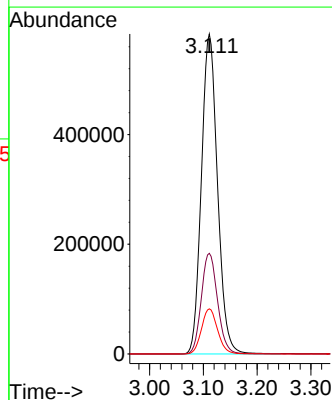
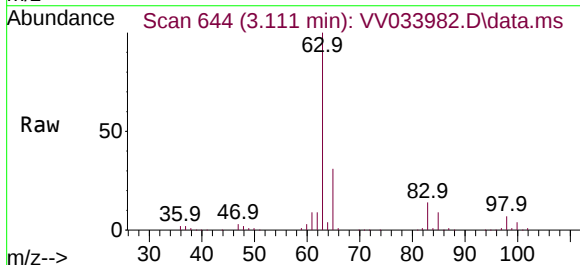
Instrument :
MSVOA_V
ClientSampleId :

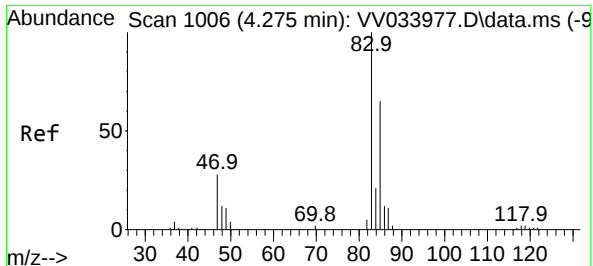
Tgt Ion: 84 Resp: 1890
Ion Ratio Lower Upper
84 100
86 66.6 44.7 83.1
49 143.5 93.7 173.9



#19
1,1-Dichloroethane
Concen: 112.817 ug/L
RT: 3.111 min Scan# 644
Delta R.T. -0.000 min
Lab File: VV033982.D
Acq: 05 Feb 2024 12:51

Tgt Ion: 63 Resp: 1212749
Ion Ratio Lower Upper
63 100
65 31.5 20.8 38.6
83 14.1 9.4 17.4





#25

Chloroform

Concen: 1.316 ug/L

RT: 4.281 min Scan# 1006

Delta R.T. 0.006 min

Lab File: VV033982.D

Acq: 05 Feb 2024 12:51

Instrument :

MSVOA_V

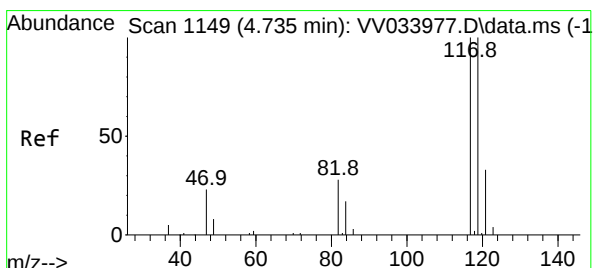
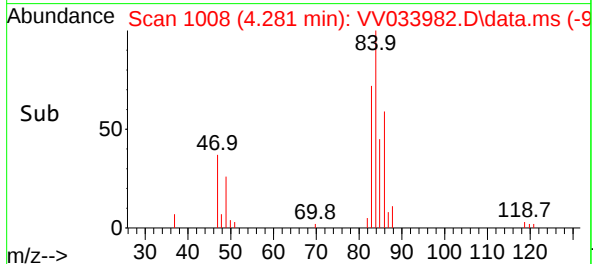
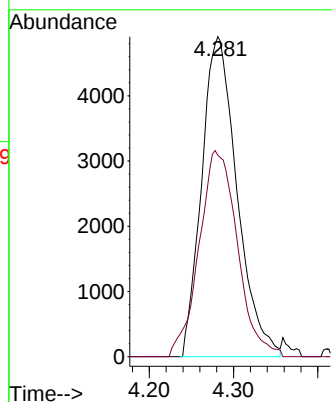
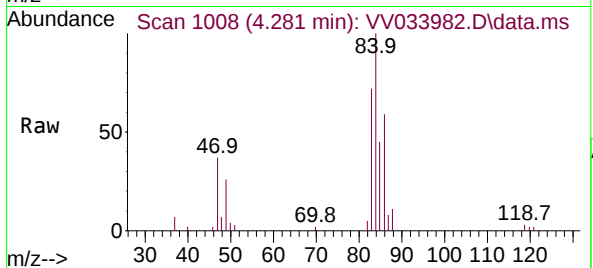
ClientSampleId :

Tgt Ion: 83 Resp: 14300

Ion Ratio Lower Upper

83 100

85 63.0 47.5 88.1



#31

Carbon tetrachloride

Concen: 657.154 ug/L

RT: 4.548 min Scan# 1091

Delta R.T. -0.187 min

Lab File: VV033982.D

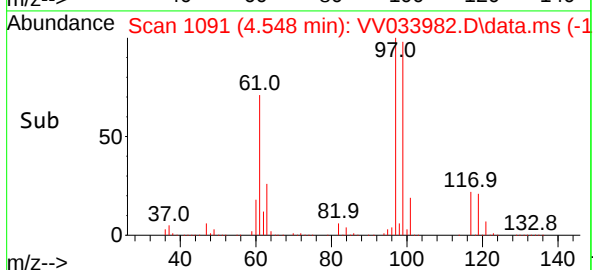
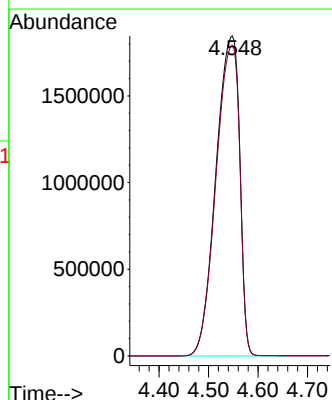
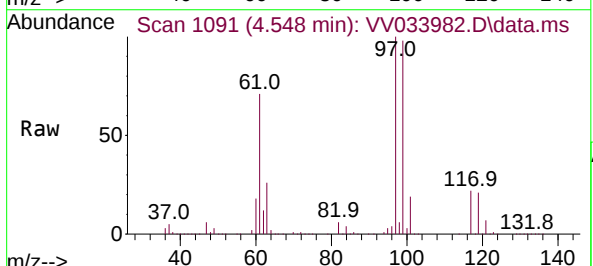
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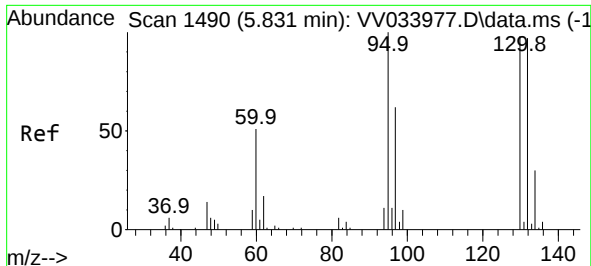
Tgt Ion: 117 Resp: 6153596

Ion Ratio Lower Upper

117 100

119 96.9 76.1 114.1

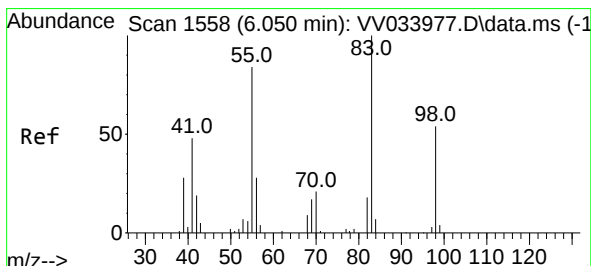
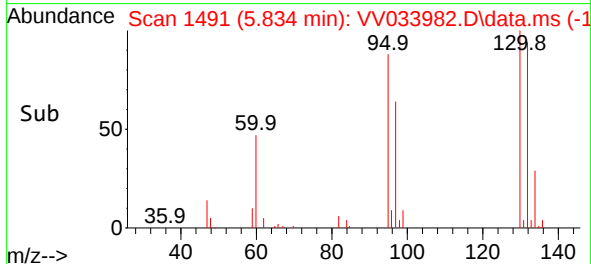
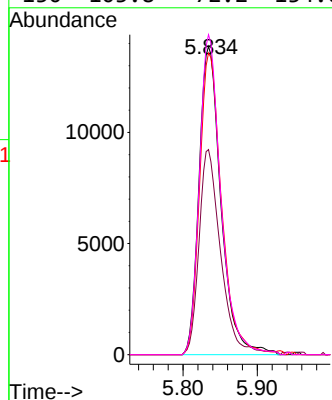
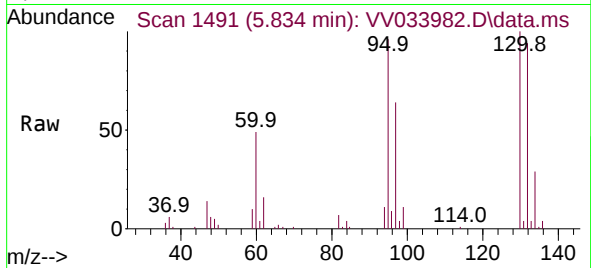




#34
Trichloroethene
Concen: 4.130 ug/L
RT: 5.834 min Scan# 1490
Delta R.T. 0.003 min
Lab File: VV033982.D
Acq: 05 Feb 2024 12:51

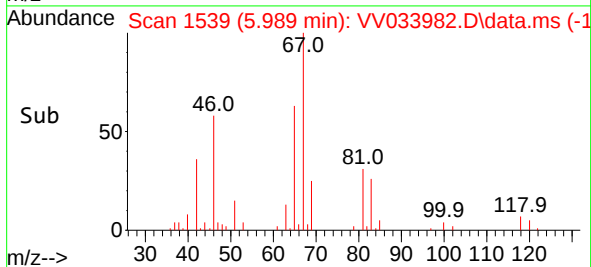
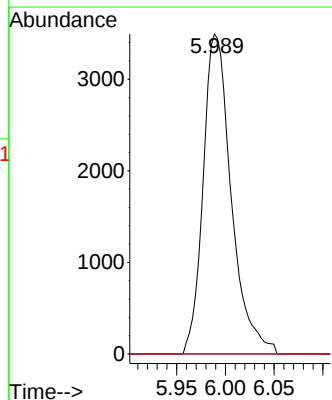
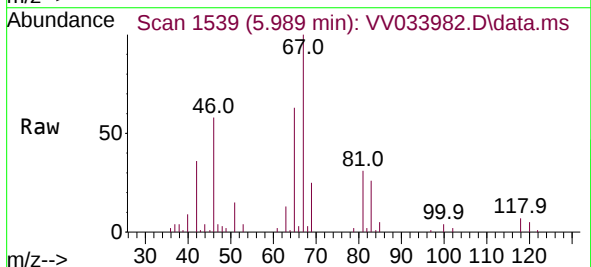
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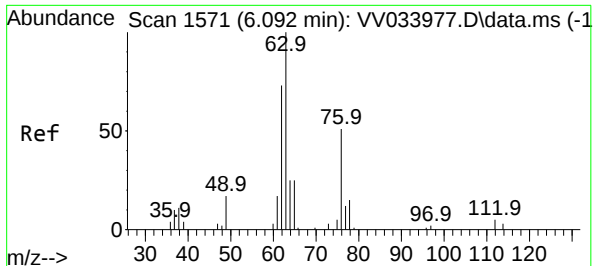
Tgt Ion: 95 Resp: 28578
Ion Ratio Lower Upper
95 100
97 66.6 45.1 83.7
132 97.9 66.0 122.6
130 103.8 72.2 134.0



#35
Methylcyclohexane
Concen: 0.645 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.061 min
Lab File: VV033982.D
Acq: 05 Feb 2024 12:51

Tgt Ion: 83 Resp: 7003
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: 0.640 ug/L

RT: 5.989 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV033982.D

Acq: 05 Feb 2024 12:51

Instrument :

MSVOA_V

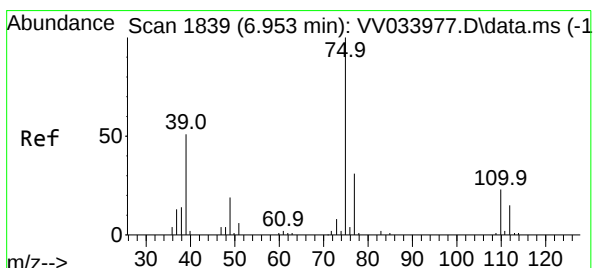
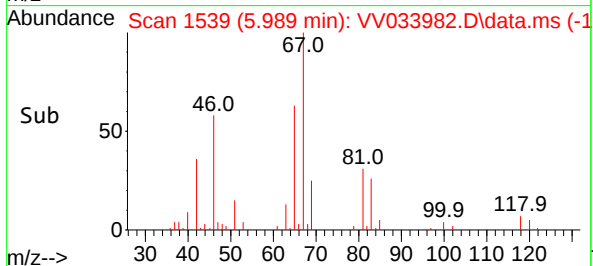
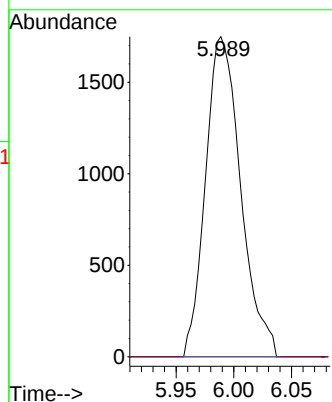
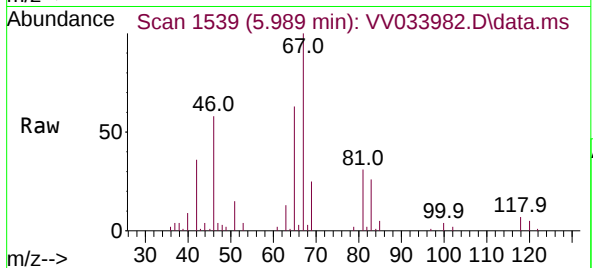
ClientSampleId :

Tgt Ion: 63 Resp: 3707

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 6.918 min Scan# 1828

Delta R.T. -0.035 min

Lab File: VV033982.D

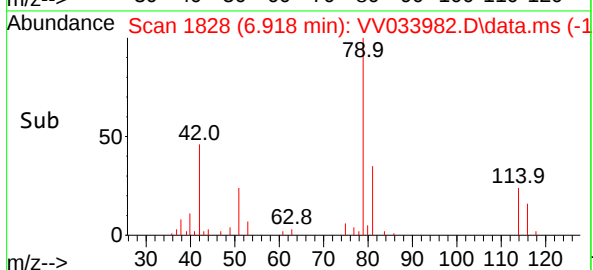
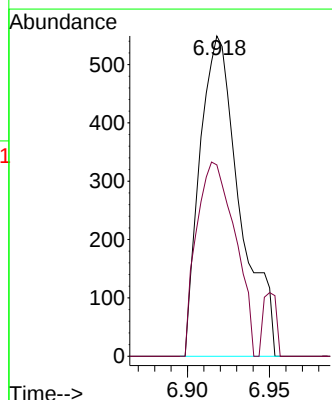
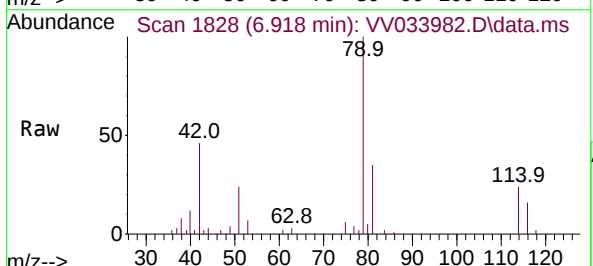
Acq: 05 Feb 2024 12:51

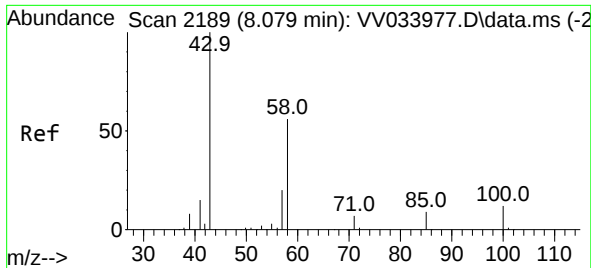
Tgt Ion: 75 Resp: 925

Ion Ratio Lower Upper

75 100

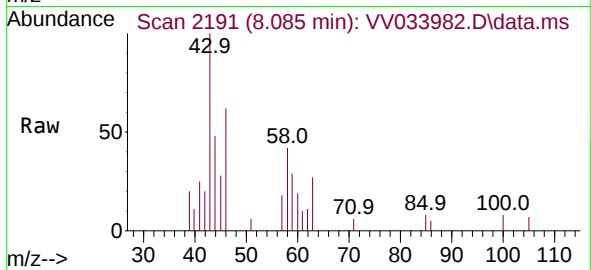
77 59.7 22.9 42.5#



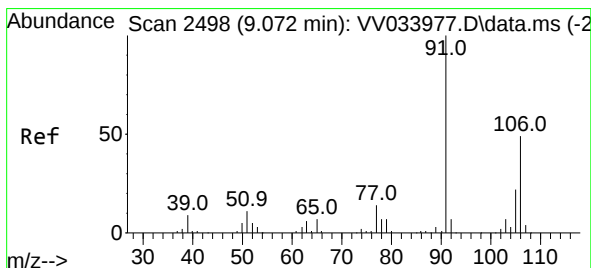
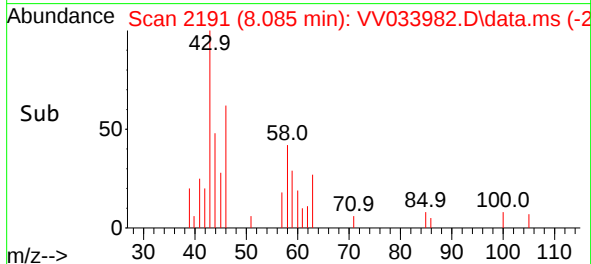
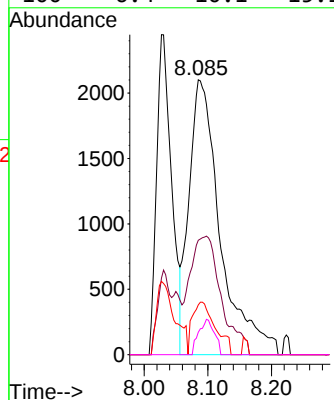


#48
2-Hexanone
Concen: 3.694 ug/L
RT: 8.085 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VV033982.D
Acq: 05 Feb 2024 12:51

Instrument :
MSVOA_V
ClientSampleId :

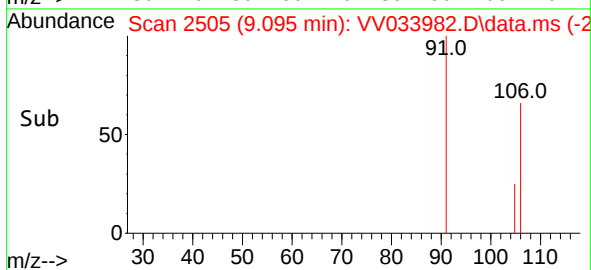
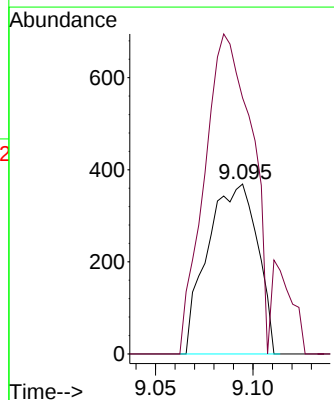
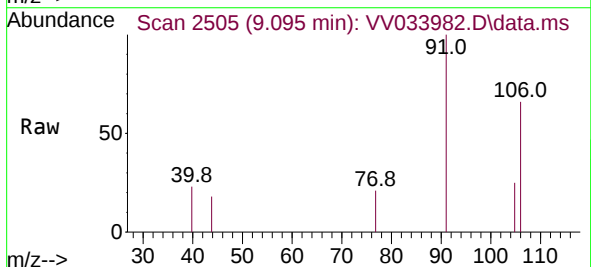


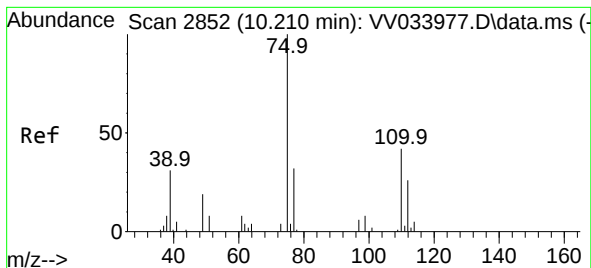
Tgt Ion: 43 Resp: 7221
Ion Ratio Lower Upper
43 100
58 43.3 42.6 64.0
57 12.8 15.5 23.3#
100 6.4 10.1 15.1#



#53
m,p-Xylene
Concen: 0.059 ug/L
RT: 9.095 min Scan# 2505
Delta R.T. 0.022 min
Lab File: VV033982.D
Acq: 05 Feb 2024 12:51

Tgt Ion: 106 Resp: 658
Ion Ratio Lower Upper
106 100
91 150.7 147.5 273.9





#61

1,2,3-Trichloropropane

Concen: 1.743 ug/L

RT: 11.185 min Scan# 3155

Delta R.T. 0.974 min

Lab File: VV033982.D

Acq: 05 Feb 2024 12:51

Instrument :

MSVOA_V

ClientSampleId :

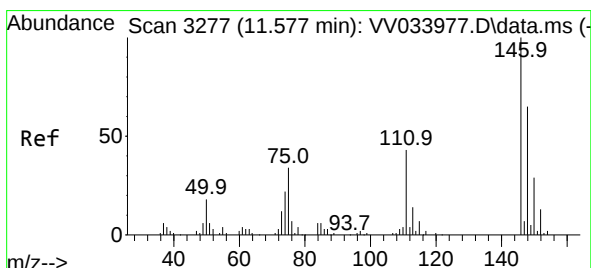
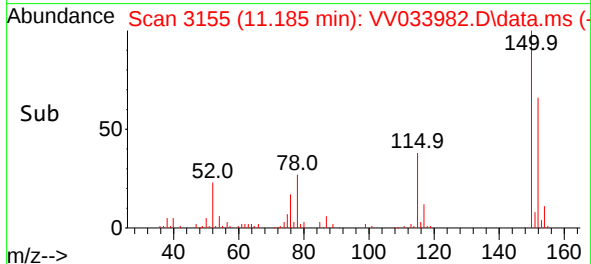
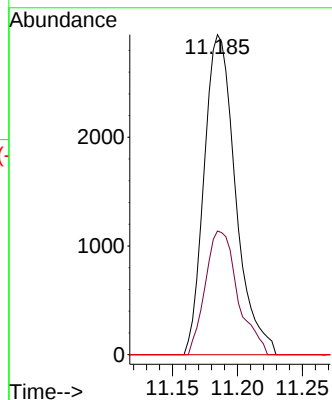
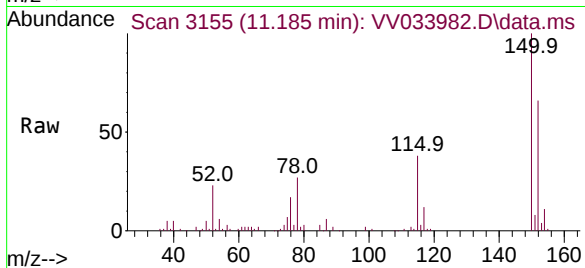
Tgt Ion: 75 Resp: 4955

Ion Ratio Lower Upper

75 100

77 39.9 26.9 40.3

110 0.0 33.3 49.9#



#67

1,2-Dichlorobenzene

Concen: 0.199 ug/L

RT: 11.583 min Scan# 3279

Delta R.T. 0.006 min

Lab File: VV033982.D

Acq: 05 Feb 2024 12:51

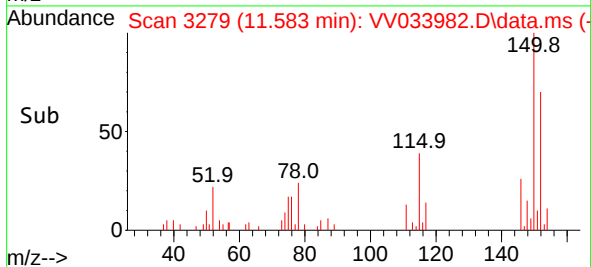
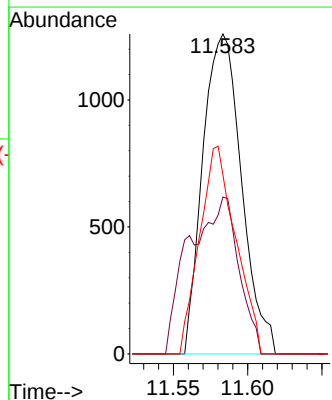
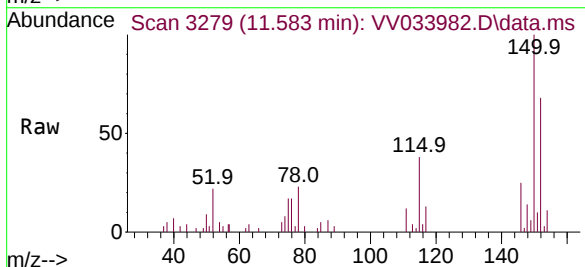
Tgt Ion: 146 Resp: 2285

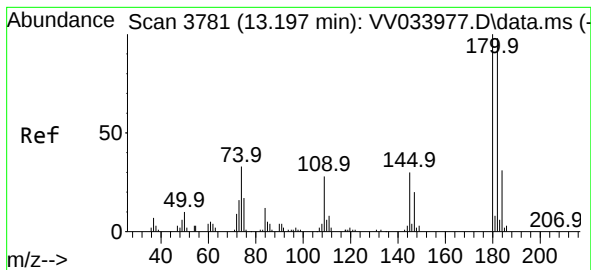
Ion Ratio Lower Upper

146 100

111 49.0 31.2 46.8#

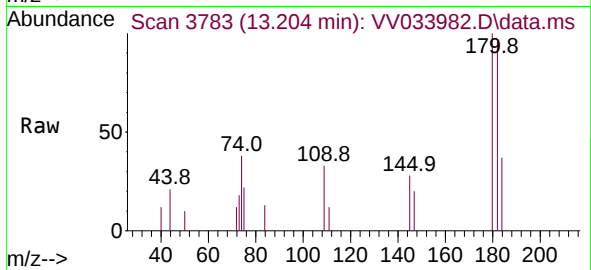
148 56.0 49.8 74.8





#70
 1,2,4-trichlorobenzene
 Concen: 0.244 ug/L
 RT: 13.204 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VV033982.D
 Acq: 05 Feb 2024 12:51

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	76.8	115.2
145	21.1	24.8	37.2#

