

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020524\
 Data File : VW033989.D
 Acq On : 05 Feb 2024 15:38
 Operator : SY/MD
 Sample : P1289-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 06 05:15:12 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	5.545	114	76110	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	77509	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	41991	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	29063	4.931	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.600%
7) Chloroethane-d5	1.532	69	26372	5.108	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.200%
11) 1,1-Dichloroethene-d2	2.060	65	16264	5.721	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.400%
20) 2-Butanone-d5	3.828	46	50507	51.019	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.040%
24) Chloroform-d	4.262	84	55977	5.226	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
26) 1,2-Dichloroethane-d4	4.966	65	22827	4.560	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
32) Benzene-d6	4.985	84	91714	3.944	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.800%
36) 1,2-Dichloropropane-d6	5.995	67	25058	3.855	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.000%
41) Toluene-d8	7.246	98	87643	4.101	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	7.561	79	10619	4.326	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.600%
46) 2-Hexanone-d5	8.027	63	34968	39.908	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.820%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	17247	4.376	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	11.561	152	32667	4.278	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.214	50	5697	0.749	ug/L	95
5) Vinyl chloride	1.281	62	9937	1.367	ug/L	94
8) Chloroethane	1.548	64	1849	0.373	ug/L	84
9) Trichlorofluoromethane	1.712	101	1595	0.152	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	13626	2.488	ug/L #	30
12) 1,1-Dichloroethene	2.072	96	5866347	1103.323	ug/L #	66
13) Acetone	2.127	43	3316	4.415	ug/L	87
14) Carbon disulfide	2.243	76	4372	0.254	ug/L	98
15) Methyl Acetate	2.400	43	1062	0.597	ug/L #	80
16) Methylene chloride	2.449	84	1262	0.247	ug/L	97
19) 1,1-Dichloroethane	3.114	63	5567998	559.537	ug/L	95
25) Chloroform	4.294	83	18960	1.885	ug/L	97
27) 1,2-Dichloroethane	5.072	62	1833	0.318	ug/L #	4
31) Carbon tetrachloride	4.584	117	19376219	2128.009	ug/L	98
34) Trichloroethene	5.838	95	336139	49.960	ug/L	98
35) Methylcyclohexane	5.995	83	6686	0.633	ug/L #	17
37) 1,2-Dichloropropane	6.111	63	399	0.071	ug/L #	87
39) cis-1,3-Dichloropropene	6.918	75	900	0.105	ug/L #	74
42) Toluene	7.329	91	6087	0.245	ug/L	95

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

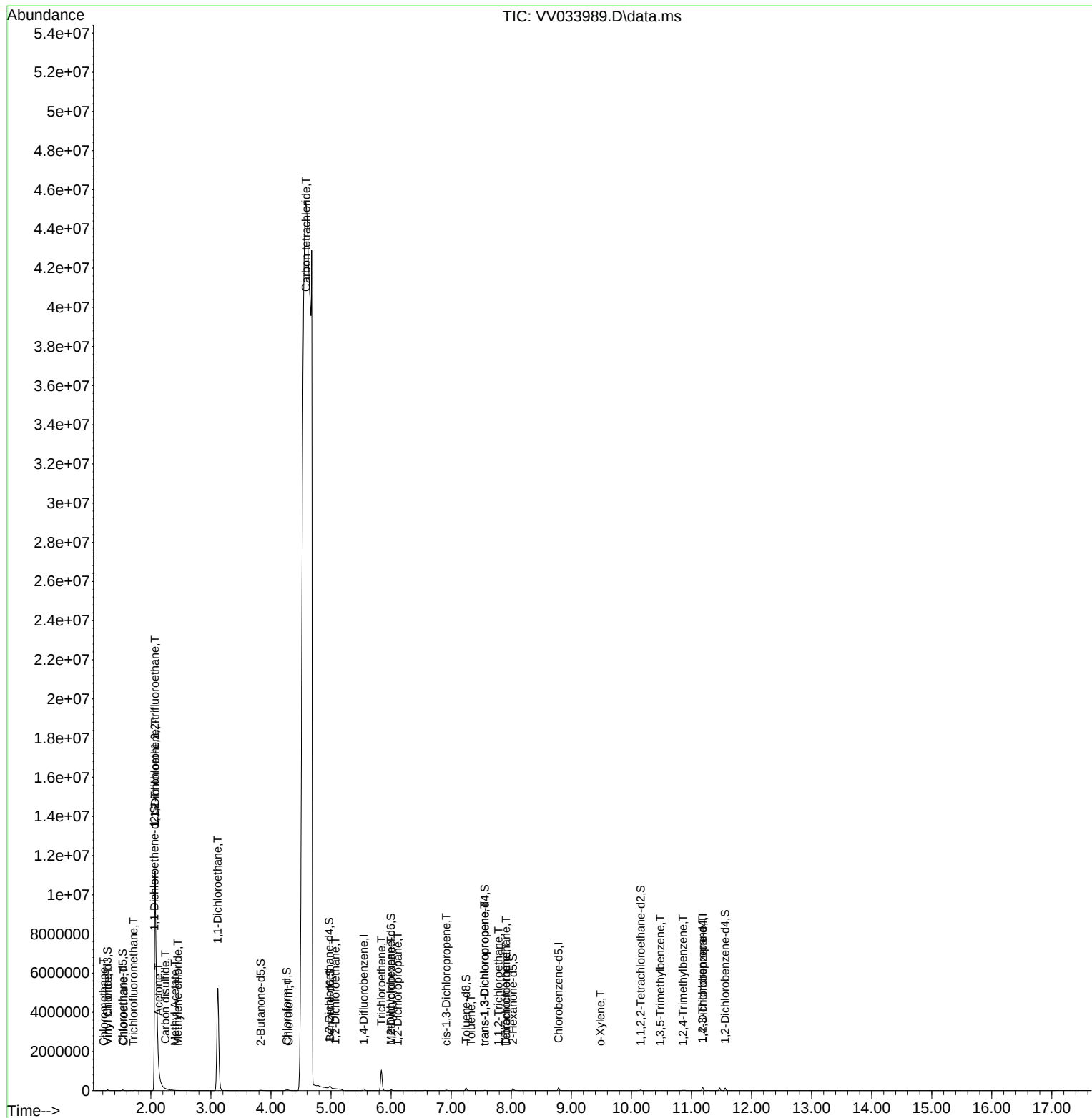
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.554	75	557	0.085	ug/L #	78
45) 1,1,2-Trichloroethane	7.786	97	707	0.203	ug/L #	56
47) Tetrachloroethene	7.915	164	1200	0.220	ug/L #	71
49) Dibromochloromethane	7.915	129	649	0.157	ug/L #	11
54) o-Xylene	9.484	106	538	0.052	ug/L	72
61) 1,2,3-Trichloropropane	11.185	75	5170	1.791	ug/L #	54
62) 1,3,5-Trimethylbenzene	10.480	105	4156	0.158	ug/L	94
63) 1,2,4-Trimethylbenzene	10.857	105	10965	0.430	ug/L	97

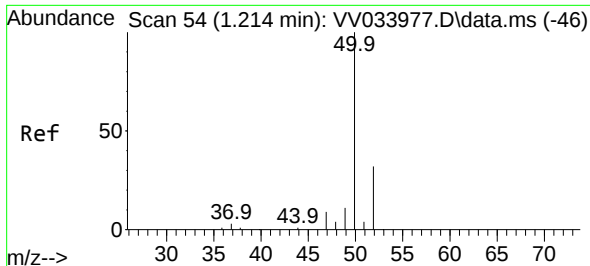
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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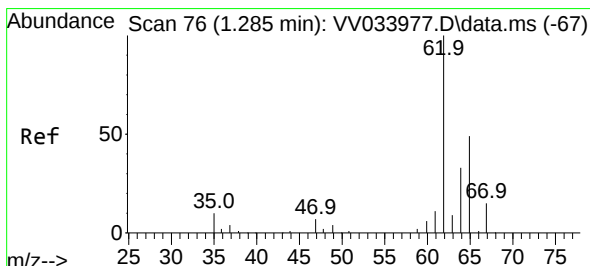
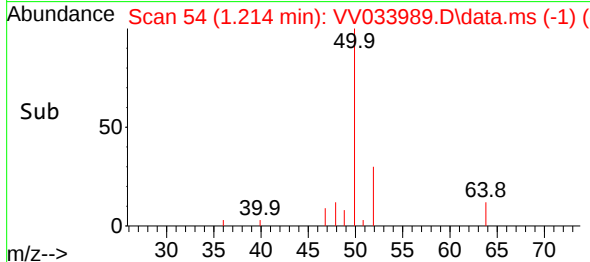
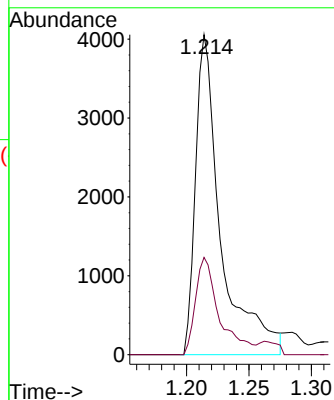
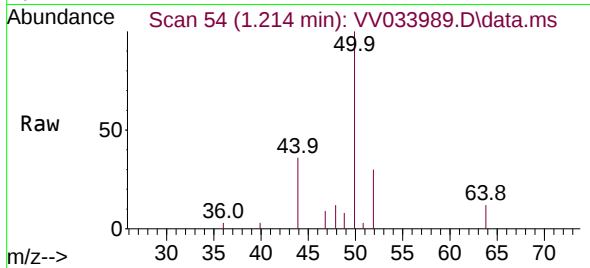




#3
Chloromethane
Concen: 0.749 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.000 min
Lab File: VV033989.D
Acq: 05 Feb 2024 15:38

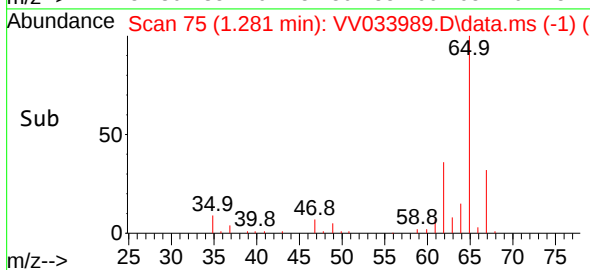
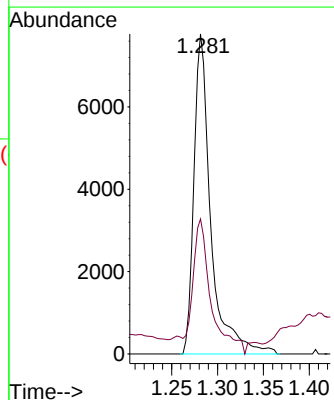
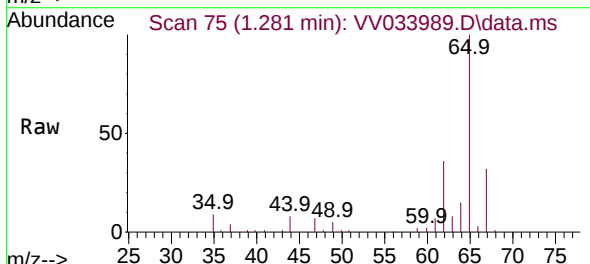
Instrument :
MSVOA_V
ClientSampleId :

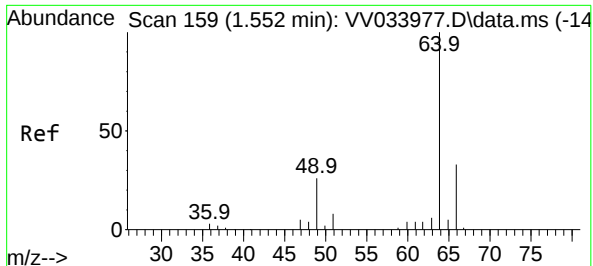
Tgt Ion: 50 Resp: 5697
Ion Ratio Lower Upper
50 100
52 30.4 23.4 43.4



#5
Vinyl chloride
Concen: 1.367 ug/L
RT: 1.281 min Scan# 75
Delta R.T. -0.003 min
Lab File: VV033989.D
Acq: 05 Feb 2024 15:38

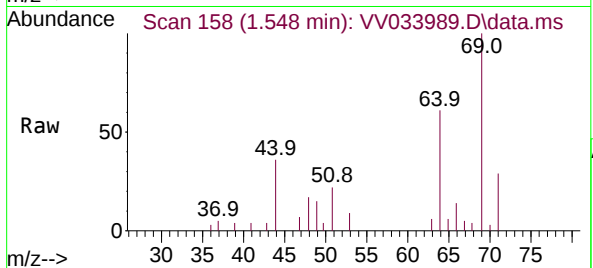
Tgt Ion: 62 Resp: 9937
Ion Ratio Lower Upper
62 100
64 42.2 27.2 50.4



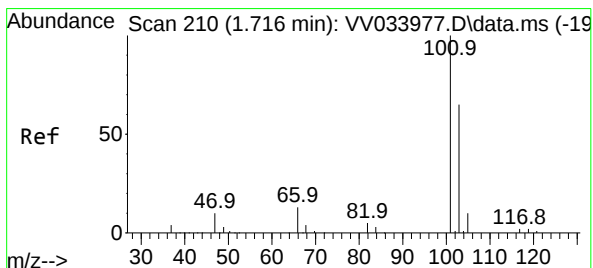
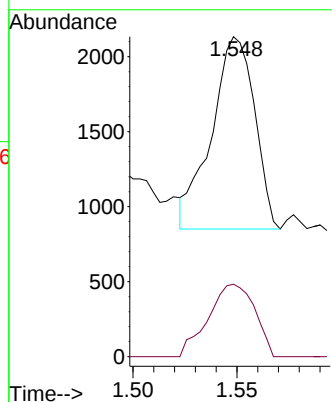
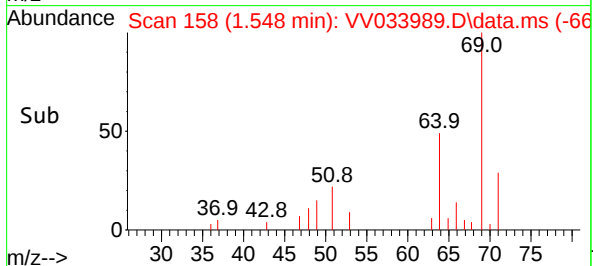


#8
Chloroethane
Concen: 0.373 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV033989.D
Acq: 05 Feb 2024 15:38

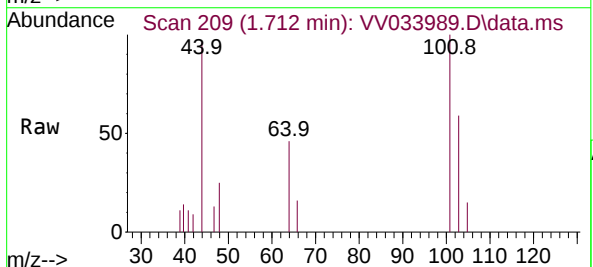
Instrument :
MSVOA_V
ClientSampleId :



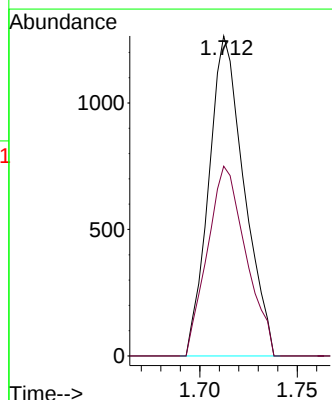
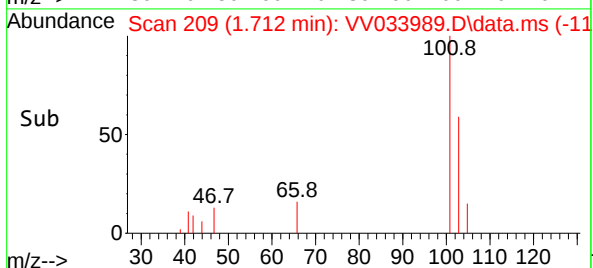
Tgt Ion: 64 Resp: 1849
Ion Ratio Lower Upper
64 100
66 22.6 22.0 41.0

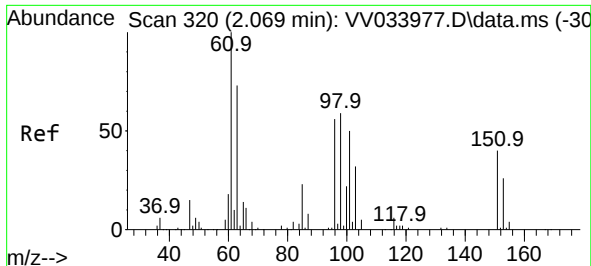


#9
Trichlorofluoromethane
Concen: 0.152 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV033989.D
Acq: 05 Feb 2024 15:38



Tgt Ion: 101 Resp: 1595
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.4

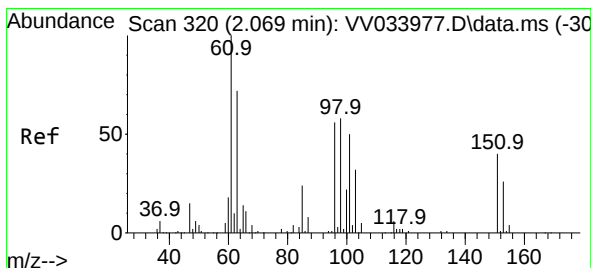
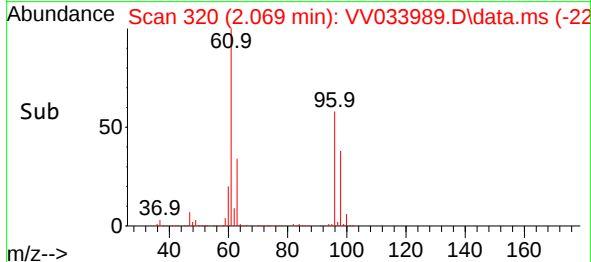
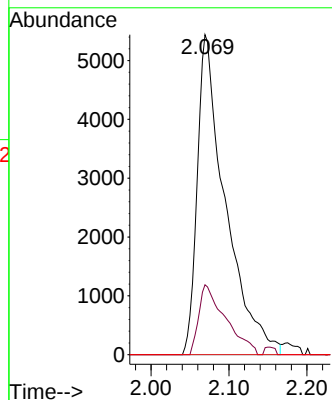
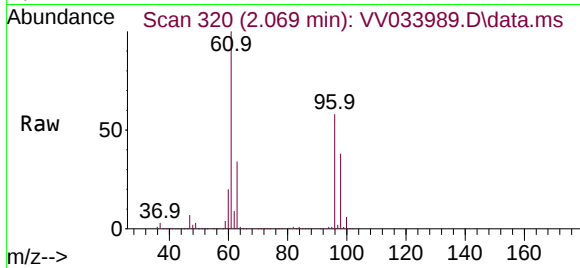




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.488 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV033989.D
 Acq: 05 Feb 2024 15:38

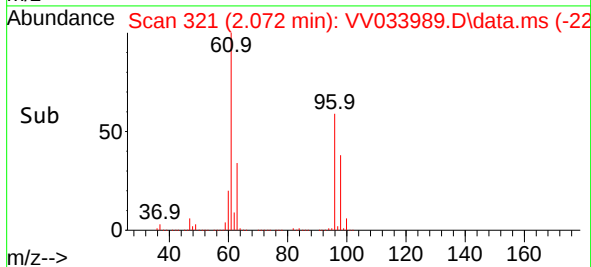
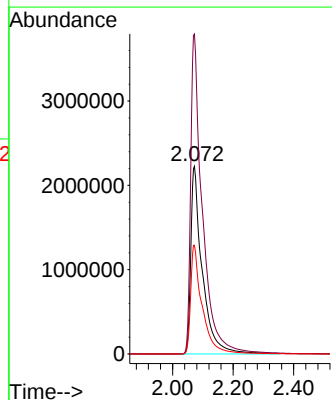
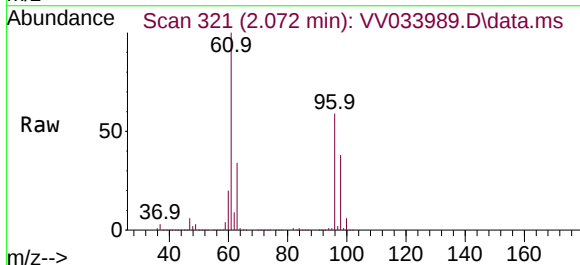
Instrument :
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 ClientSampleId :

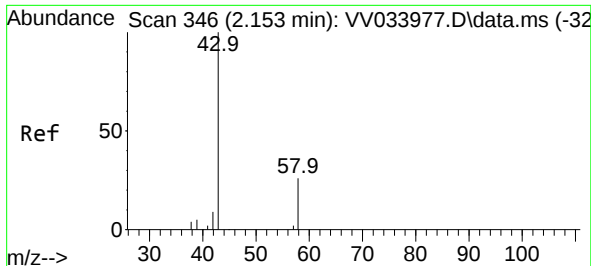
Tgt Ion:101 Resp: 13626
 Ion Ratio Lower Upper
 101 100
 85 20.8 37.1 55.7#
 151 0.0 61.7 92.5#



#12
 1,1-Dichloroethene
 Concen: 1103.323 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV033989.D
 Acq: 05 Feb 2024 15:38

Tgt Ion: 96 Resp: 5866347
 Ion Ratio Lower Upper
 96 100
 61 170.5 128.8 239.2
 63 57.9 97.9 181.9#





#13

Acetone

Concen: 4.415 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.026 min

Lab File: VV033989.D

Acq: 05 Feb 2024 15:38

Instrument :

MSVOA_V

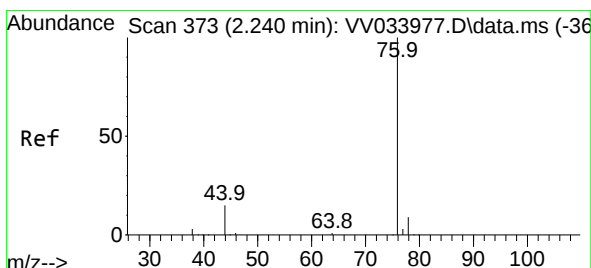
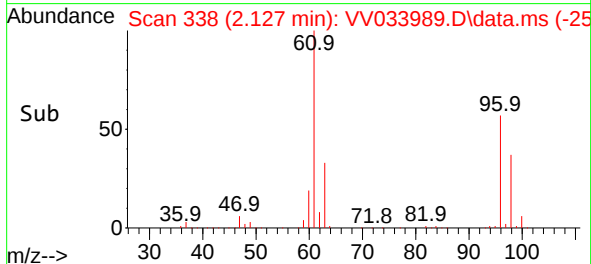
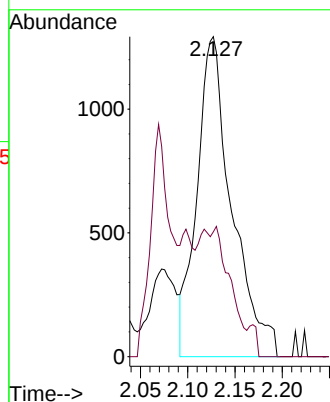
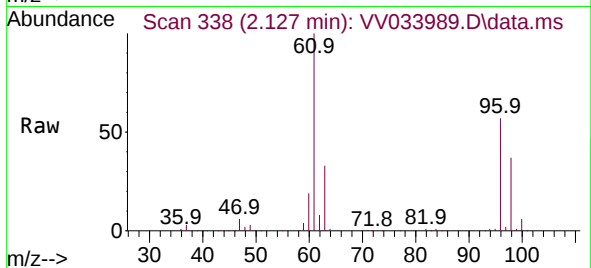
ClientSampleId :

Tgt Ion: 43 Resp: 3316

Ion Ratio Lower Upper

43 100

58 2.4 0.0 13.8



#14

Carbon disulfide

Concen: 0.254 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033989.D

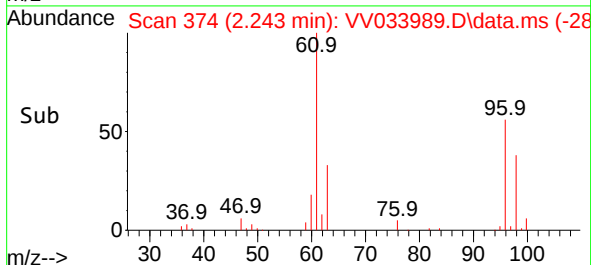
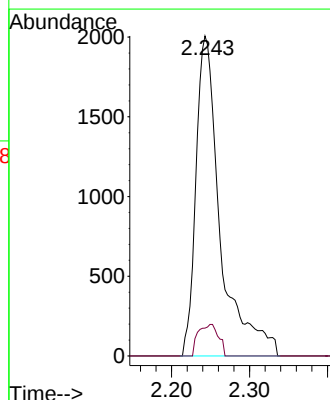
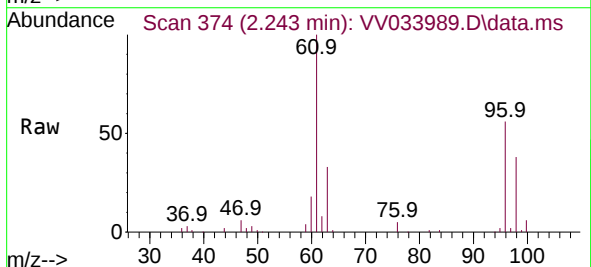
Acq: 05 Feb 2024 15:38

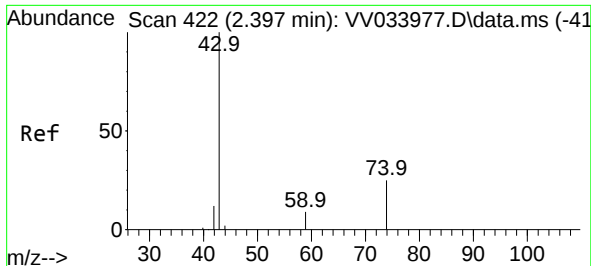
Tgt Ion: 76 Resp: 4372

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3

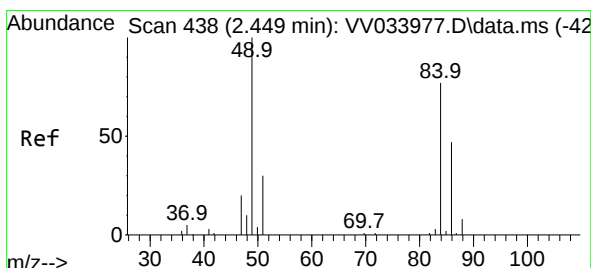
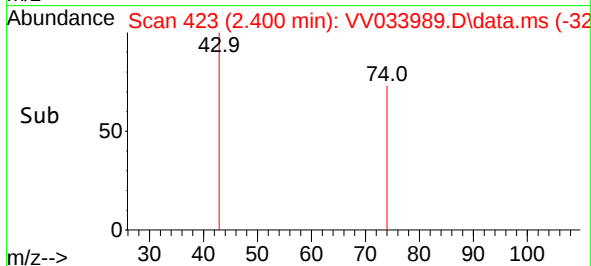
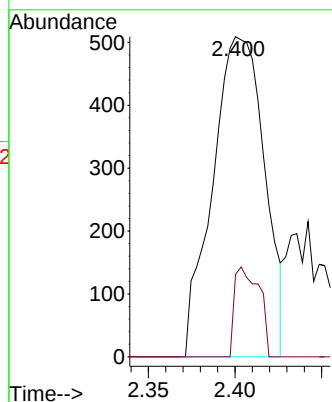
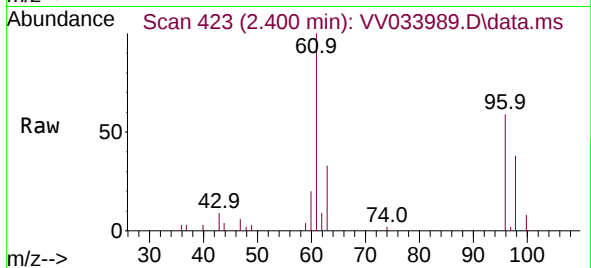




#15
Methyl Acetate
Concen: 0.597 ug/L
RT: 2.400 min Scan# 431
Delta R.T. 0.003 min
Lab File: VV033989.D
Acq: 05 Feb 2024 15:38

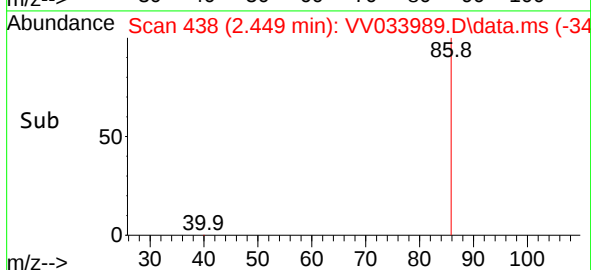
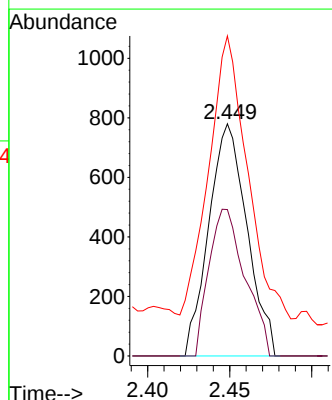
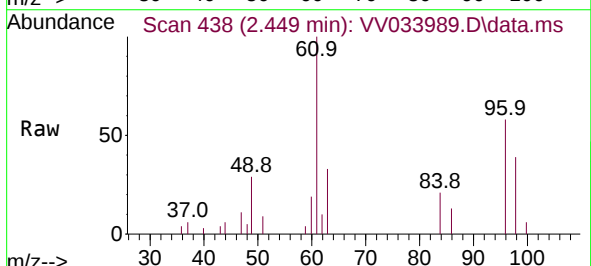
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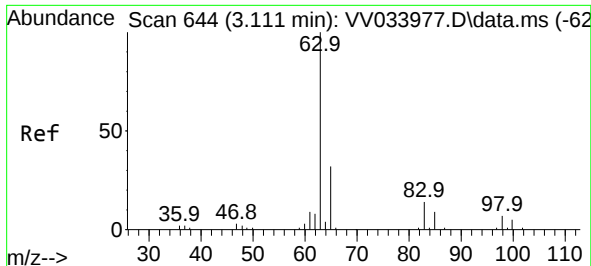
Tgt Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
74 13.3 18.2 27.4#



#16
Methylene chloride
Concen: 0.247 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV033989.D
Acq: 05 Feb 2024 15:38

Tgt Ion: 84 Resp: 1262
Ion Ratio Lower Upper
84 100
86 63.1 44.7 83.1
49 137.8 93.7 173.9





#19

1,1-Dichloroethane

Concen: 559.537 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033989.D

Acq: 05 Feb 2024 15:38

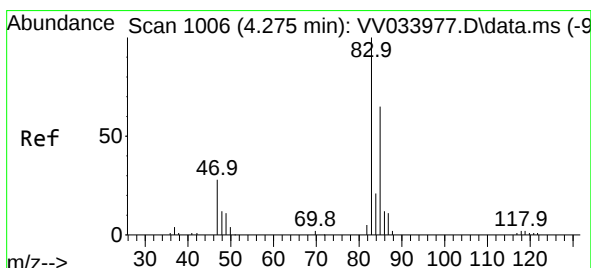
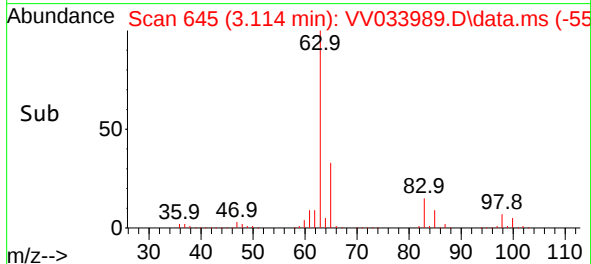
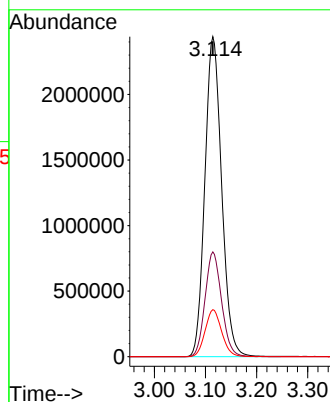
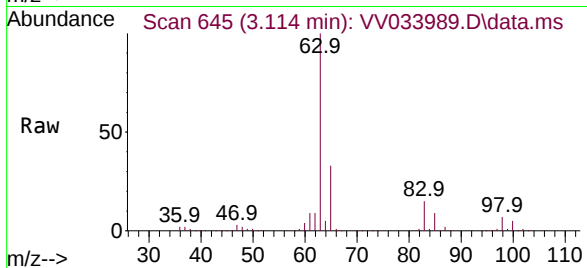
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63 Resp: 5567998

Ion	Ratio	Lower	Upper
63	100		
65	32.8	20.8	38.6
83	14.7	9.4	17.4



#25

Chloroform

Concen: 1.885 ug/L

RT: 4.294 min Scan# 1012

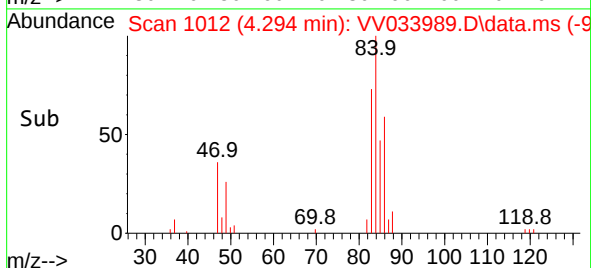
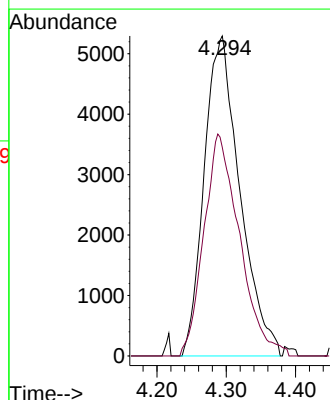
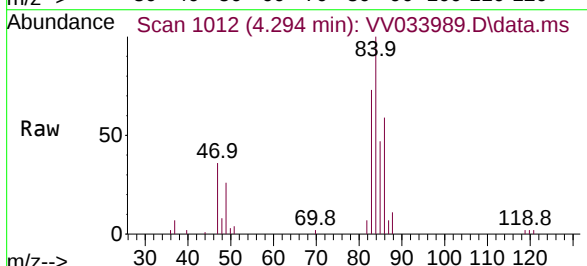
Delta R.T. 0.019 min

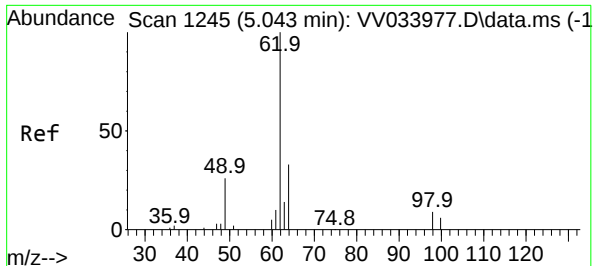
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Tgt Ion: 83 Resp: 18960

Ion	Ratio	Lower	Upper
83	100		
85	65.2	47.5	88.1





#27

1,2-Dichloroethane

Concen: 0.318 ug/L

RT: 5.072 min Scan# 1102

Delta R.T. 0.029 min

Lab File: VV033989.D

Acq: 05 Feb 2024 15:38

Instrument :

MSVOA_V

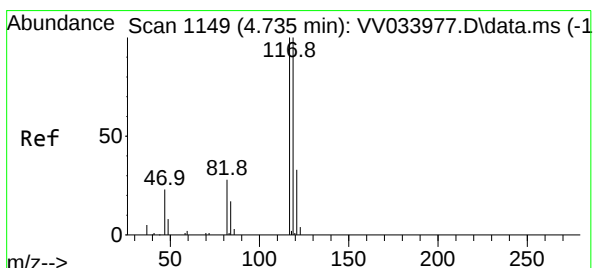
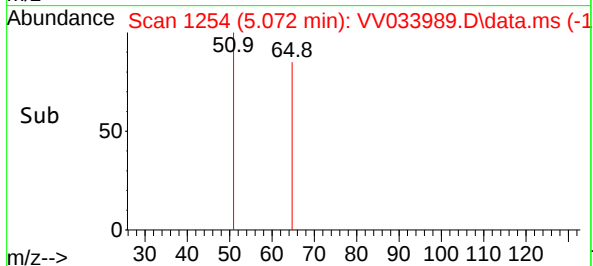
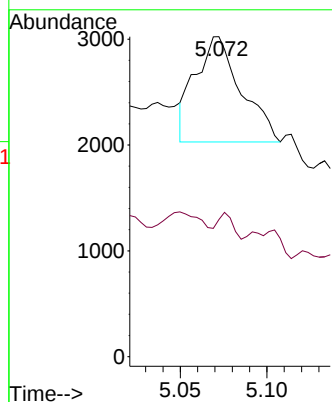
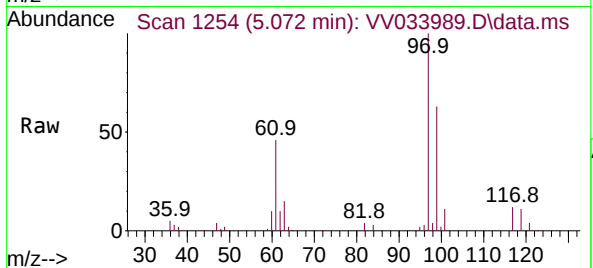
ClientSampleId :

Tgt Ion: 62 Resp: 1833

Ion Ratio Lower Upper

62 100

98 42.8 6.9 10.3#



#31

Carbon tetrachloride

Concen: 2128.009 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.151 min

Lab File: VV033989.D

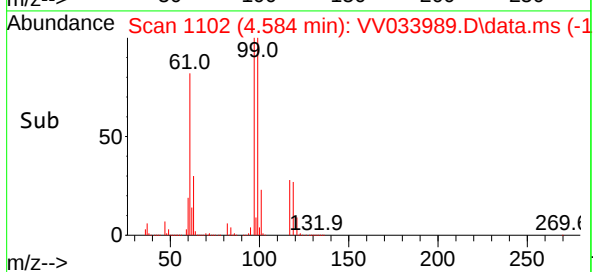
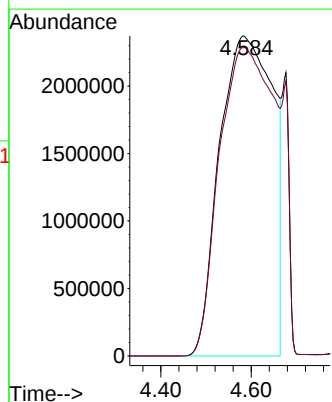
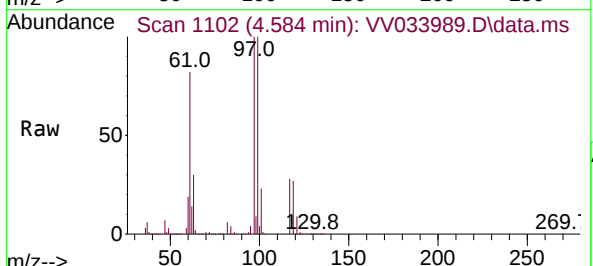
Acq: 05 Feb 2024 15:38

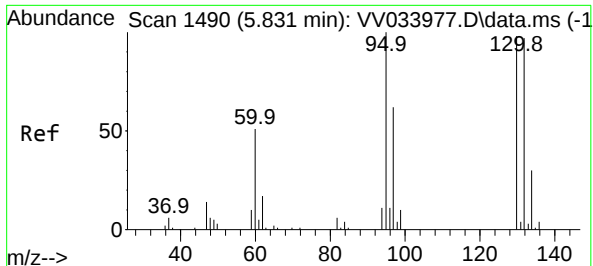
Tgt Ion:117 Resp:19376219

Ion Ratio Lower Upper

117 100

119 96.6 76.1 114.1





#34

Trichloroethene

Concen: 49.960 ug/L

RT: 5.838 min Scan# 14

Delta R.T. 0.006 min

Lab File: VV033989.D

Acq: 05 Feb 2024 15:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 336139

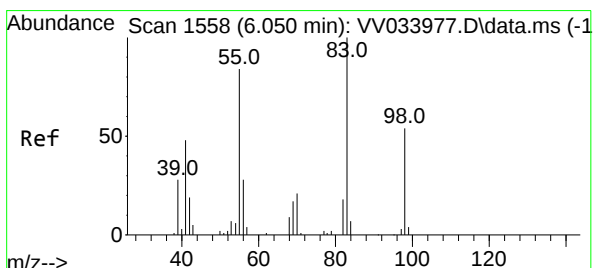
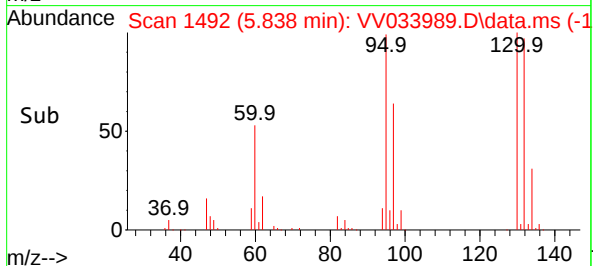
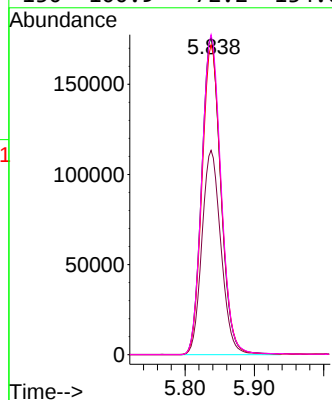
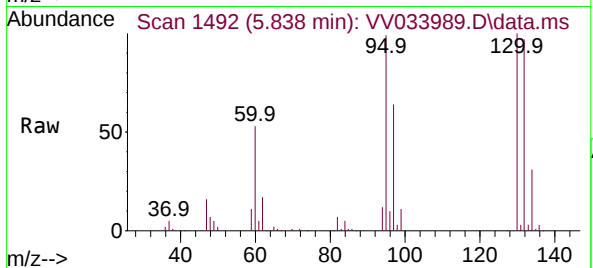
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.7

132 97.7 66.0 122.6

130 100.9 72.2 134.0



#35

Methylcyclohexane

Concen: 0.633 ug/L

RT: 5.995 min Scan# 1541

Delta R.T. -0.055 min

Lab File: VV033989.D

Acq: 05 Feb 2024 15:38

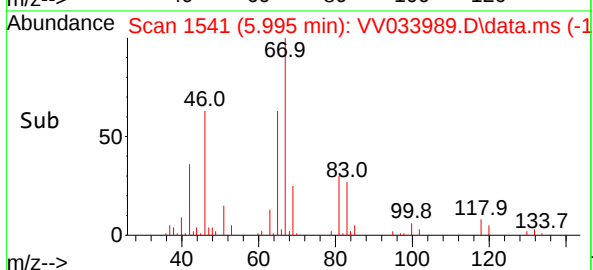
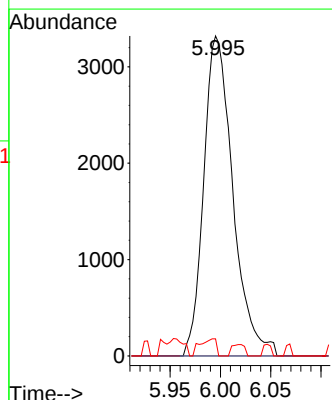
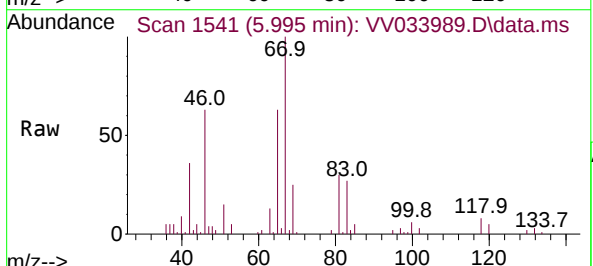
Tgt Ion: 83 Resp: 6686

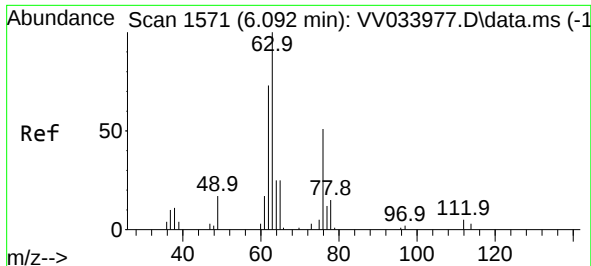
Ion Ratio Lower Upper

83 100

55 0.0 63.5 95.3#

98 0.0 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 0.071 ug/L

RT: 6.111 min Scan# 1

Delta R.T. 0.019 min

Lab File: VV033989.D

Acq: 05 Feb 2024 15:38

Instrument :

MSVOA_V

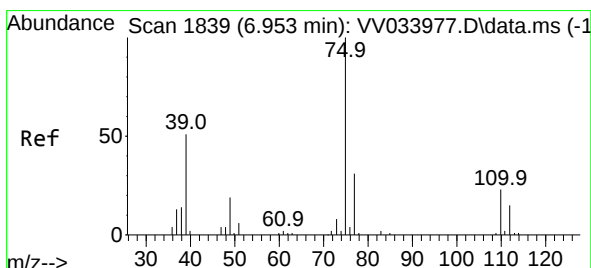
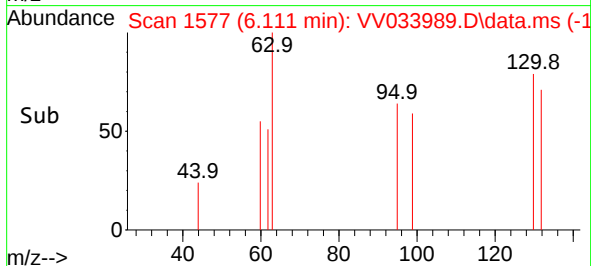
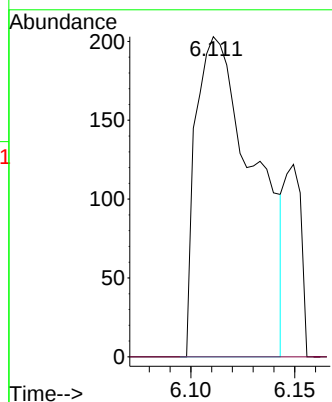
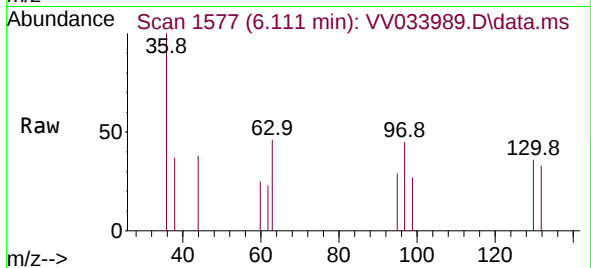
ClientSampleId :

Tgt Ion: 63 Resp: 399

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. -0.036 min

Lab File: VV033989.D

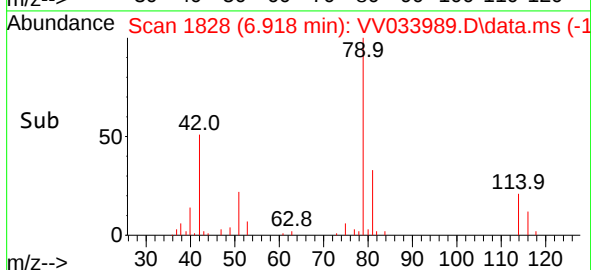
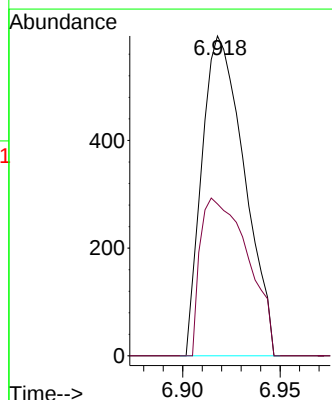
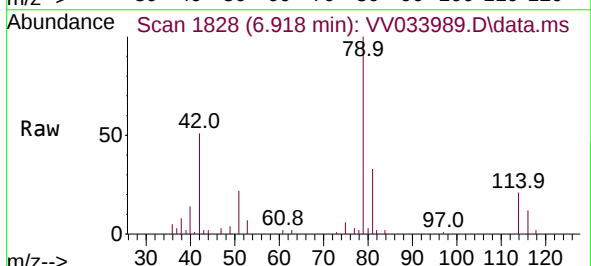
Acq: 05 Feb 2024 15:38

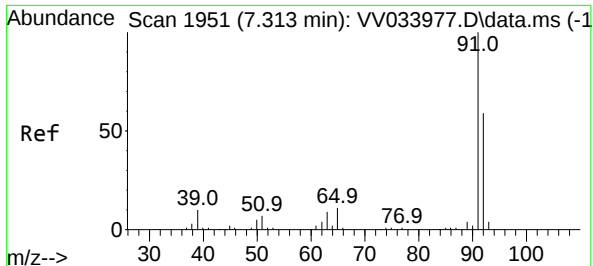
Tgt Ion: 75 Resp: 900

Ion Ratio Lower Upper

75 100

77 47.5 22.9 42.5#





#42

Toluene

Concen: 0.245 ug/L

RT: 7.329 min Scan# 1951

Delta R.T. 0.016 min

Lab File: VV033989.D

Acq: 05 Feb 2024 15:38

Instrument :

MSVOA_V

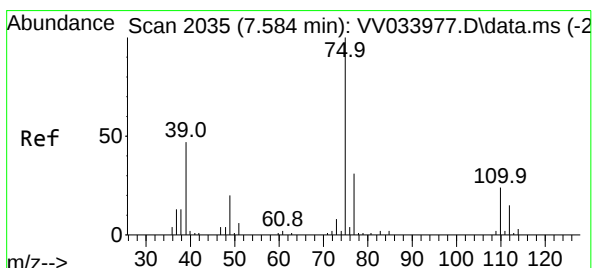
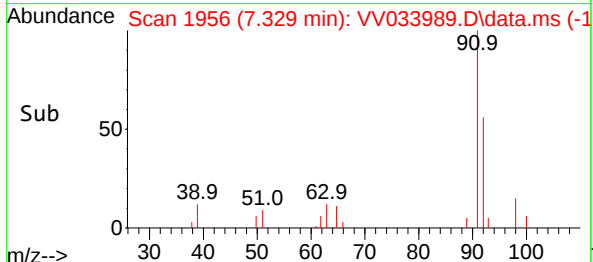
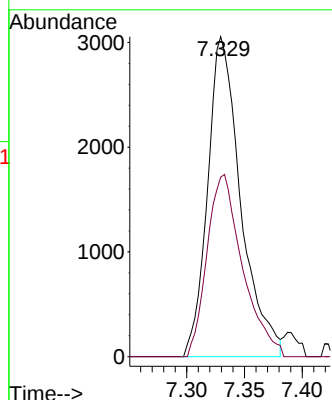
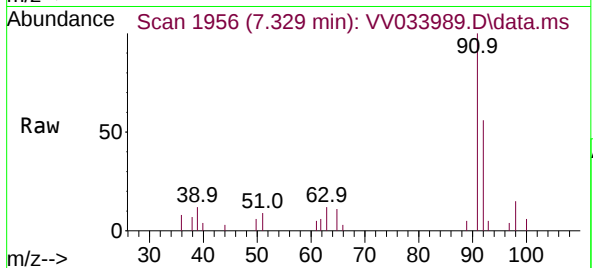
ClientSampleId :

Tgt Ion: 91 Resp: 6087

Ion Ratio Lower Upper

91 100

92 56.1 42.1 78.3



#44

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.554 min Scan# 2026

Delta R.T. -0.029 min

Lab File: VV033989.D

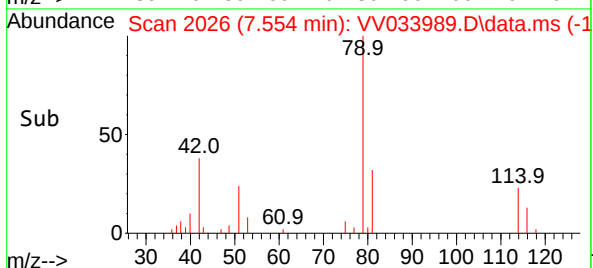
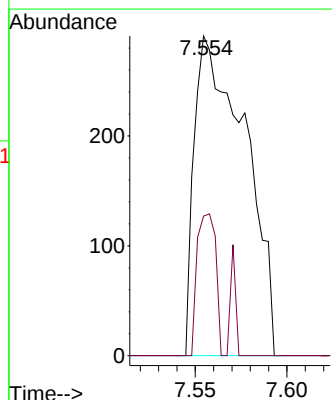
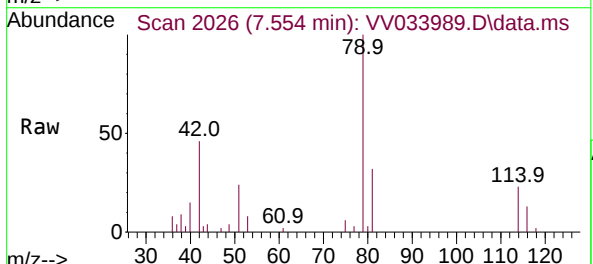
Acq: 05 Feb 2024 15:38

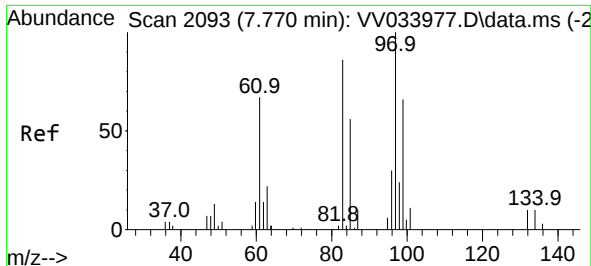
Tgt Ion: 75 Resp: 557

Ion Ratio Lower Upper

75 100

77 43.6 22.2 41.2#





#45

1,1,2-Trichloroethane

Concen: 0.203 ug/L

RT: 7.786 min Scan# 2093

Delta R.T. 0.016 min

Lab File: VV033989.D

Acq: 05 Feb 2024 15:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 707

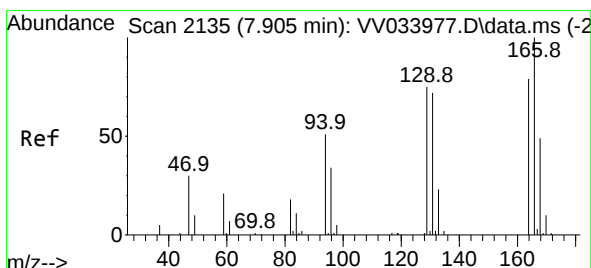
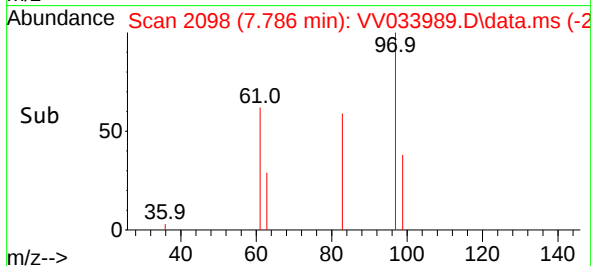
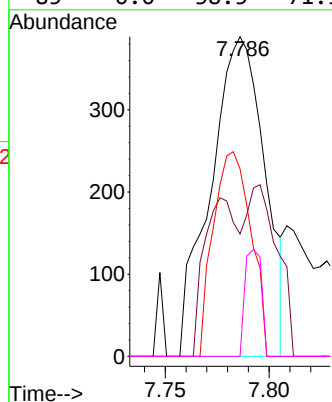
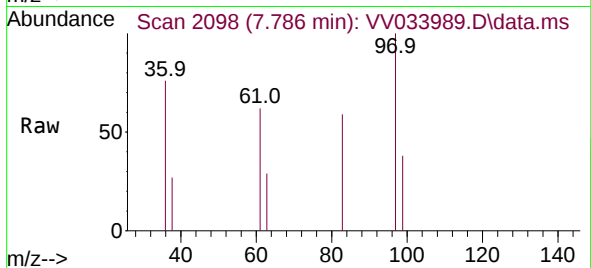
Ion Ratio Lower Upper

97 100

99 38.3 45.6 84.6#

83 58.6 62.3 115.7#

85 0.0 38.5 71.5#



#47

Tetrachloroethene

Concen: 0.220 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.010 min

Lab File: VV033989.D

Acq: 05 Feb 2024 15:38

Tgt Ion: 164 Resp: 1200

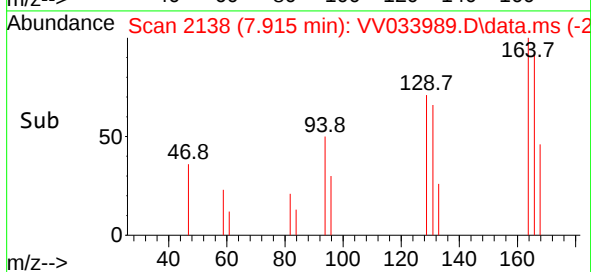
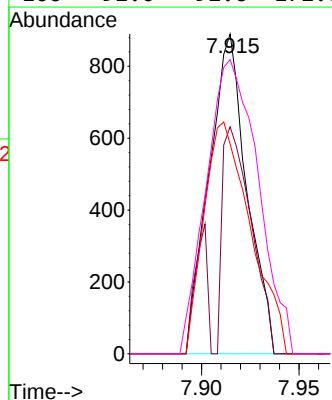
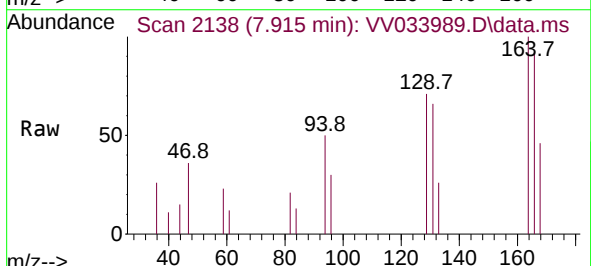
Ion Ratio Lower Upper

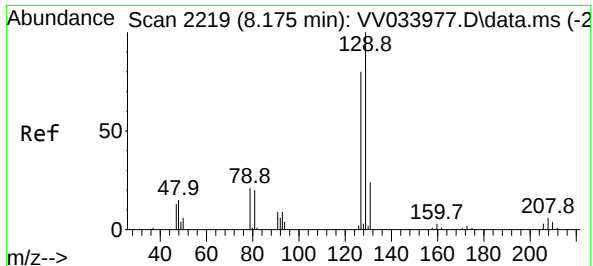
164 100

129 71.0 67.8 125.8

131 65.6 63.0 117.0

166 92.0 92.6 172.0#





#49

Dibromochloromethane

Concen: 0.157 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.261 min

Lab File: VV033989.D

Acq: 05 Feb 2024 15:38

Instrument :

MSVOA_V

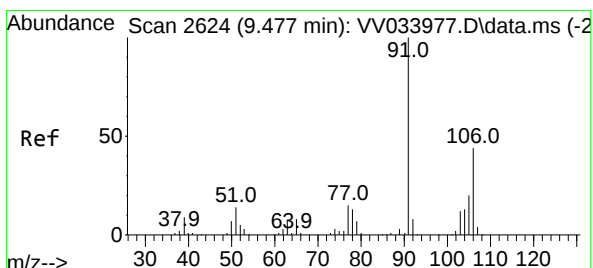
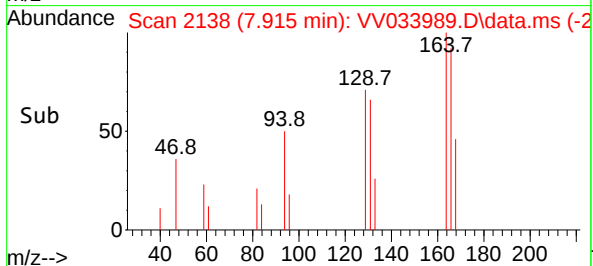
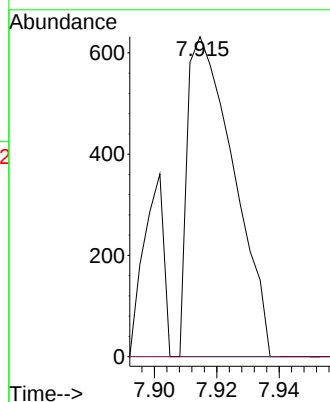
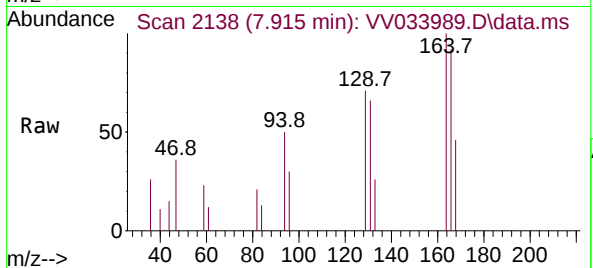
ClientSampleId :

Tgt Ion:129 Resp: 649

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#54

o-Xylene

Concen: 0.052 ug/L

RT: 9.484 min Scan# 2626

Delta R.T. 0.006 min

Lab File: VV033989.D

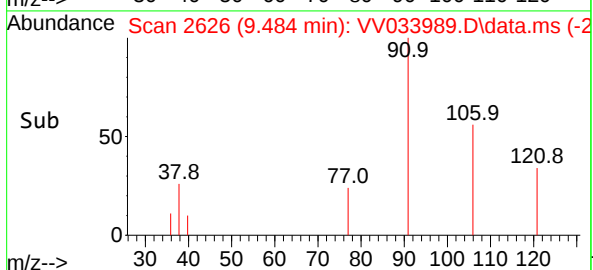
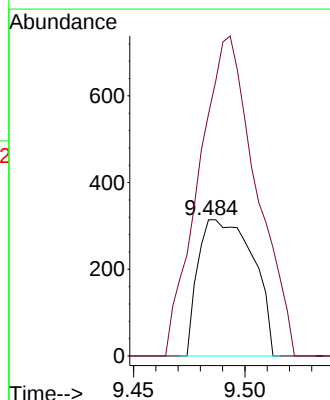
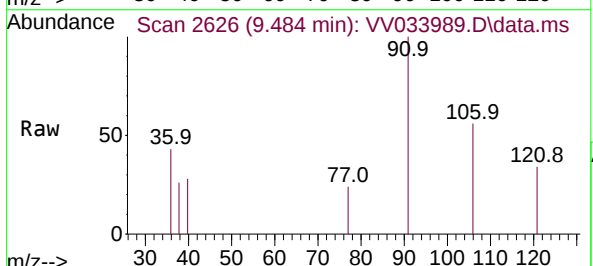
Acq: 05 Feb 2024 15:38

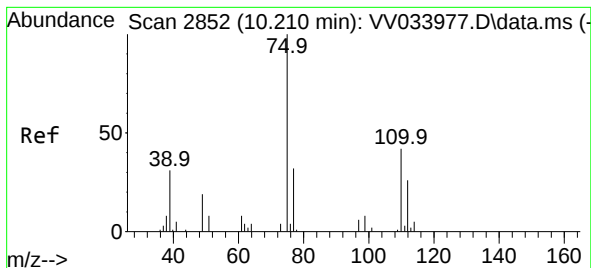
Tgt Ion:106 Resp: 538

Ion Ratio Lower Upper

106 100

91 177.7 156.2 290.0





#61

1,2,3-Trichloropropane

Concen: 1.791 ug/L

RT: 11.185 min Scan# 3155

Delta R.T. 0.974 min

Lab File: VV033989.D

Acq: 05 Feb 2024 15:38

Instrument :

MSVOA_V

ClientSampleId :

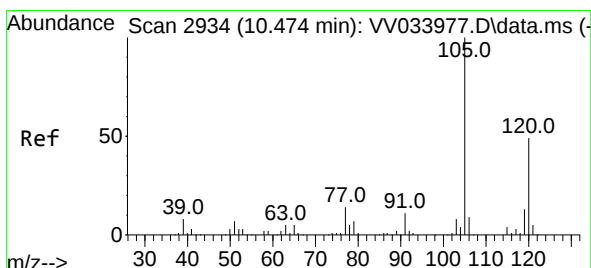
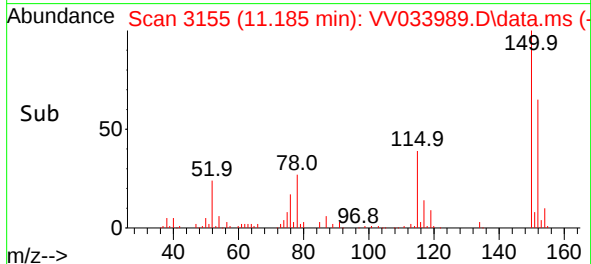
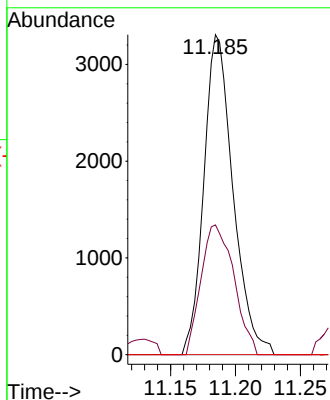
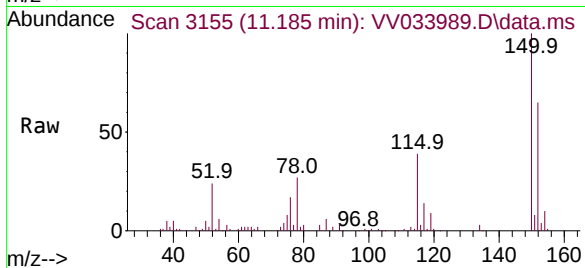
Tgt Ion: 75 Resp: 5170

Ion Ratio Lower Upper

75 100

77 45.5 26.9 40.3#

110 0.0 33.3 49.9#



#62

1,3,5-Trimethylbenzene

Concen: 0.158 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. 0.006 min

Lab File: VV033989.D

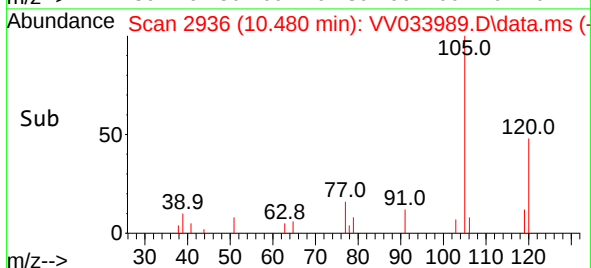
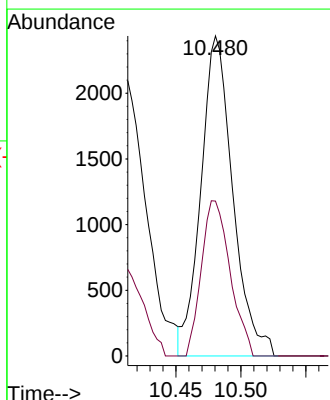
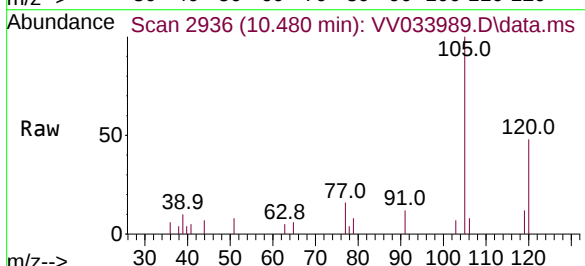
Acq: 05 Feb 2024 15:38

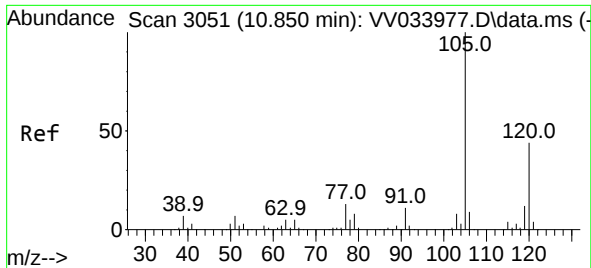
Tgt Ion: 105 Resp: 4156

Ion Ratio Lower Upper

105 100

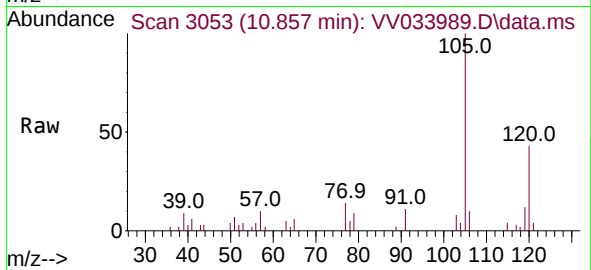
120 43.7 38.2 57.4





#63
 1,2,4-Trimethylbenzene
 Concen: 0.430 ug/L
 RT: 10.857 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: VV033989.D
 Acq: 05 Feb 2024 15:38

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:105 Resp: 10965
 Ion Ratio Lower Upper
 105 100
 120 42.9 36.2 54.2

