

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041824\
 Data File : VW035287.D
 Acq On : 18 Apr 2024 16:50
 Operator : SY/MD
 Sample : P2158-11
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 19 01:43:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 10 04:53:36 2024
 Response via : Initial Calibration

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

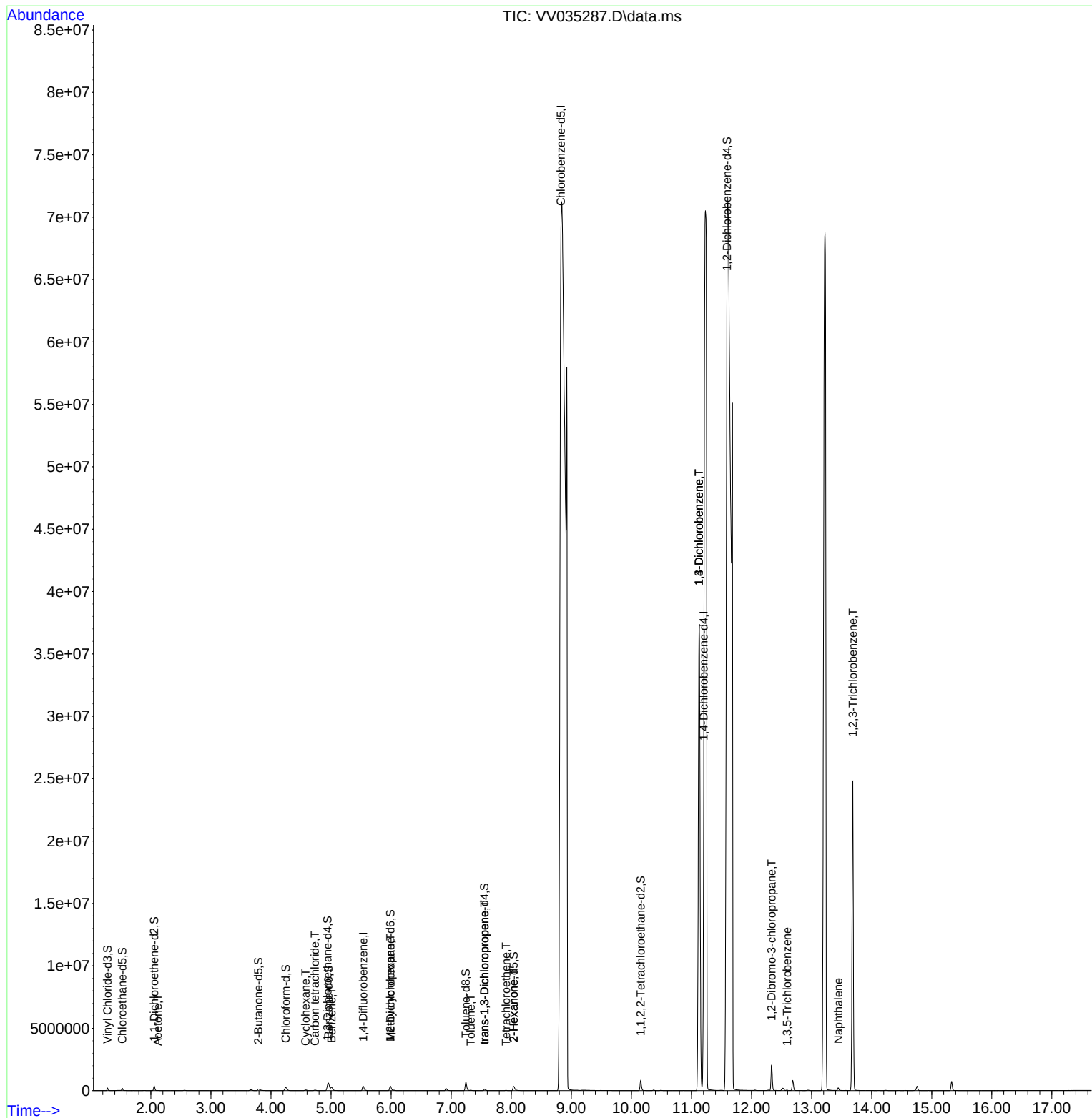
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	323696	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.825	117	233838	50.000	ug/L	0.04
58) 1,4-Dichlorobenzene-d4	11.204	152	223258	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	142520	45.590	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	91.180%	
7) Chloroethane-d5	1.523	69	121097	44.599	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	89.200%	
11) 1,1-Dichloroethene-d2	2.056	65	62672	45.735	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	91.460%	
21) 2-Butanone-d5	3.789	46	206977	111.636	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	111.640%	
24) Chloroform-d	4.246	84	281408	53.540	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	107.080%	
26) 1,2-Dichloroethane-d4	4.941	65	181238	54.312	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	108.620%	
32) Benzene-d6	4.957	84	562544	71.619	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	143.240%#	
36) 1,2-Dichloropropane-d6	5.989	67	186396	74.730	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	149.460%#	
41) Toluene-d8	7.243	98	496515	70.190	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	140.380%#	
43) trans-1,3-Dichloroprop...	7.555	79	85327	70.368	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	140.740%#	
47) 2-Hexanone-d5	8.040	63	160403	170.092	ug/L	0.02
Spiked Amount 100.000	Range 45	- 130	Recovery	=	170.090%#	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	293217	85.367	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	170.740%#	
66) 1,2-Dichlorobenzene-d4	11.590	152	134438	26.820	ug/L	0.03
Spiked Amount 50.000	Range 80	- 120	Recovery	=	53.640%#	
Target Compounds						Qvalue
13) Acetone	2.118	43	9850	5.787	ug/L	97
29) Cyclohexane	4.577	56	29331	10.015	ug/L	99
31) Carbon tetrachloride	4.732	117	35357	13.686	ug/L	98
33) Benzene	5.008	78	292952	38.419	ug/L	100
35) Methylcyclohexane	5.989	83	42265	13.600	ug/L #	20
42) Toluene	7.326	91	26195	3.281	ug/L	100
44) trans-1,3-Dichloropropene	7.558	75	3496	1.146	ug/L #	80
46) Tetrachloroethene	7.911	164	6577	4.575	ug/L	95
48) 2-Hexanone	8.040	43	18681	8.164	ug/L #	70
64) 1,3-Dichlorobenzene	11.127	146	18080628	2403.853	ug/L	89
65) 1,4-Dichlorobenzene	11.127	146	18080628	2363.836	ug/L	88
68) 1,2-Dibromo-3-chloropr...	12.336	75	315801	236.939	ug/L #	7
69) 1,3,5-Trichlorobenzene	12.590	180	12805	2.362	ug/L	99
71) Naphthalene	13.445	128	167628	12.134	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	7127231	1452.082	ug/L	99

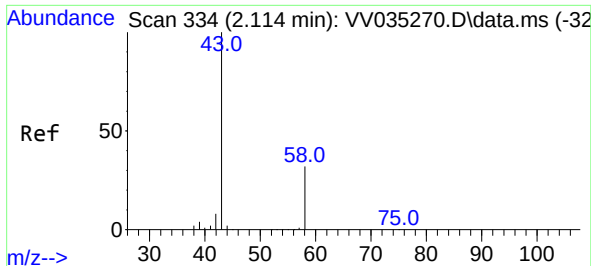
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 5.787 ug/L

RT: 2.118 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

Instrument :

MSVOA_V

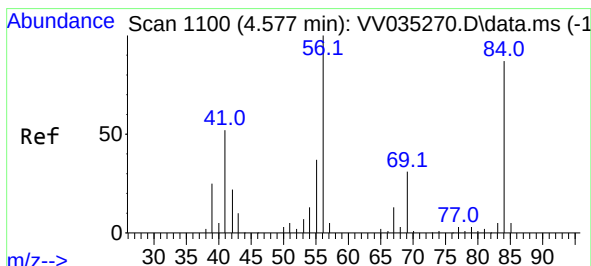
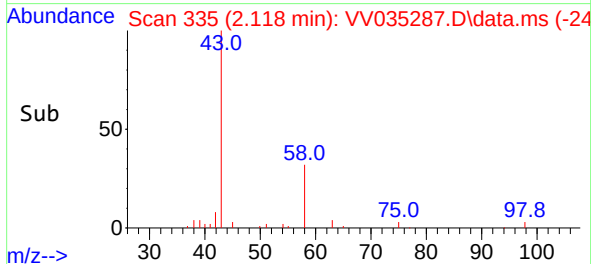
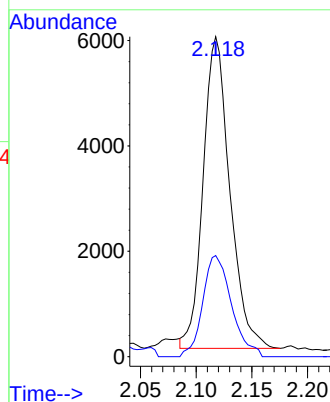
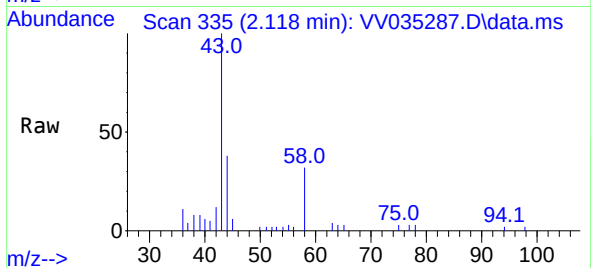
ClientSampleId :

Tgt Ion: 43 Resp: 9850

Ion Ratio Lower Upper

43 100

58 34.9 0.0 66.0



#29

Cyclohexane

Concen: 10.015 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

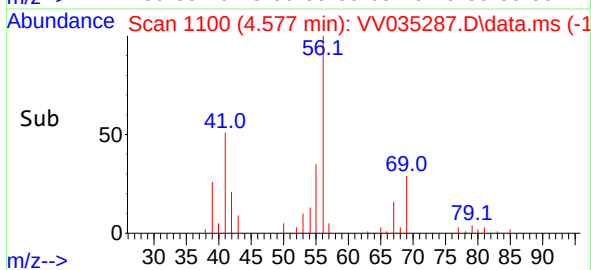
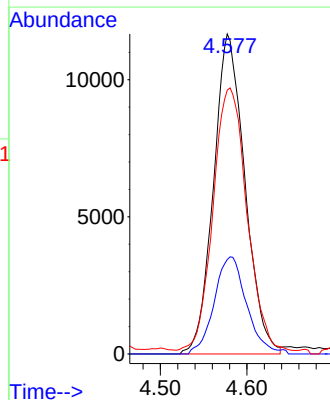
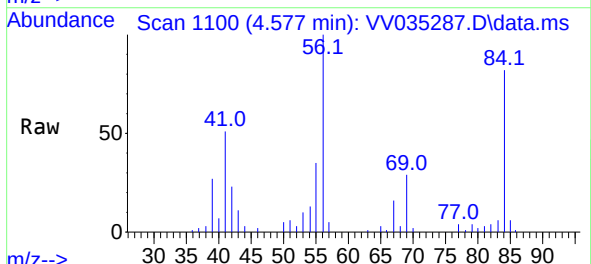
Tgt Ion: 56 Resp: 29331

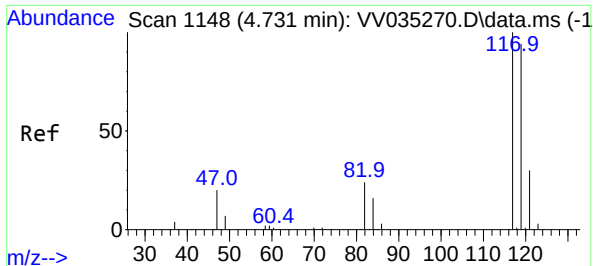
Ion Ratio Lower Upper

56 100

69 31.2 24.2 36.2

84 87.8 69.8 104.8

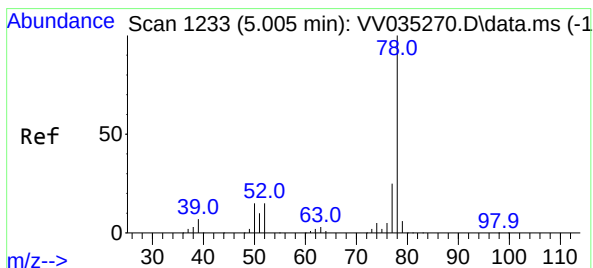
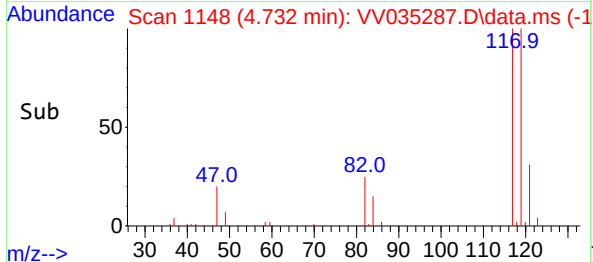
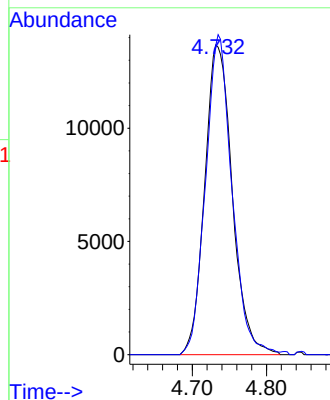
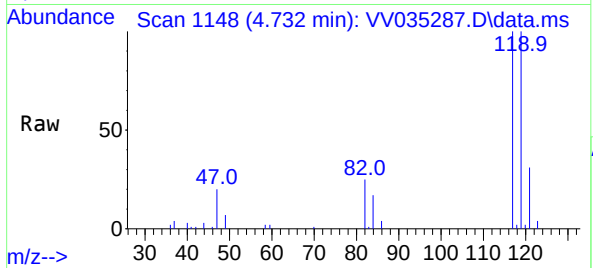




#31
Carbon tetrachloride
Concen: 13.686 ug/L
RT: 4.732 min Scan# 1148
Delta R.T. 0.000 min
Lab File: VV035287.D
Acq: 18 Apr 2024 16:50

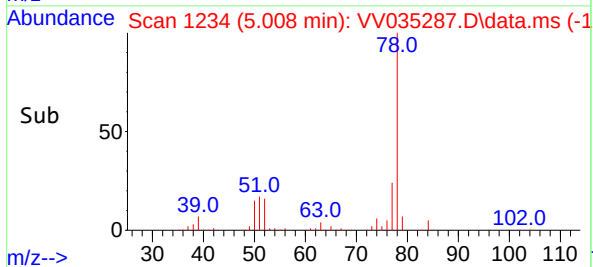
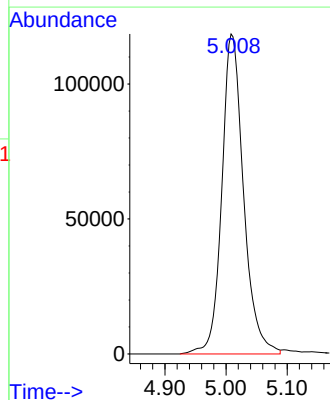
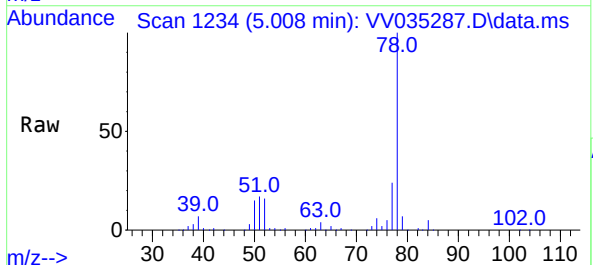
Instrument :
MSVOA_V
ClientSampleId :

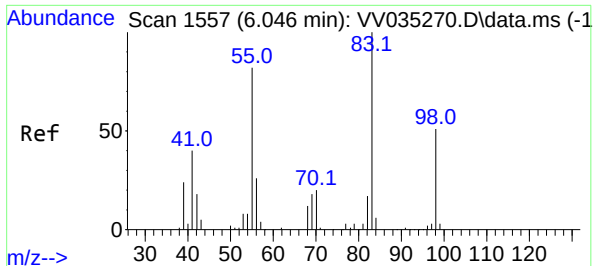
Tgt Ion:117 Resp: 35357
Ion Ratio Lower Upper
117 100
119 98.7 77.1 115.7



#33
Benzene
Concen: 38.419 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV035287.D
Acq: 18 Apr 2024 16:50

Tgt Ion: 78 Resp: 292952





#35

Methylcyclohexane

Concen: 13.600 ug/L

RT: 5.989 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

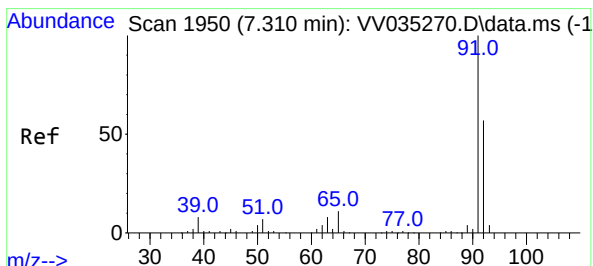
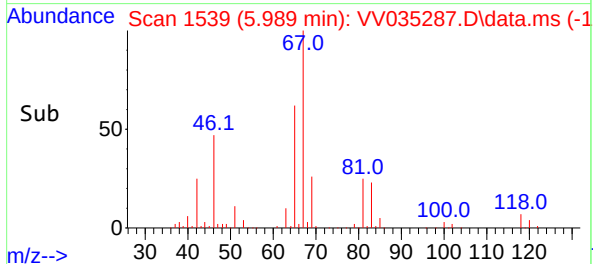
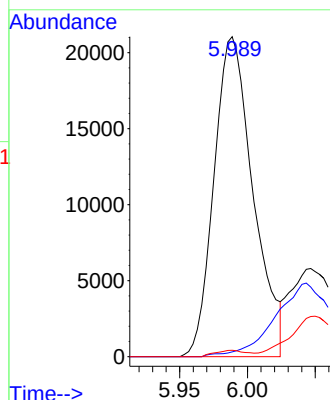
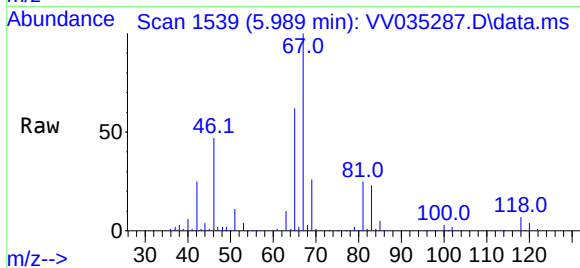
Tgt Ion: 83 Resp: 42265

Ion Ratio Lower Upper

83 100

55 0.1 60.0 90.0#

98 1.6 37.6 56.4#



#42

Toluene

Concen: 3.281 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.016 min

Lab File: VV035287.D

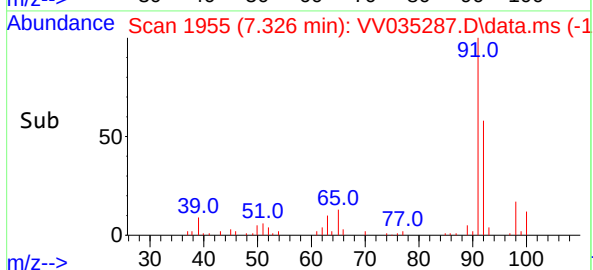
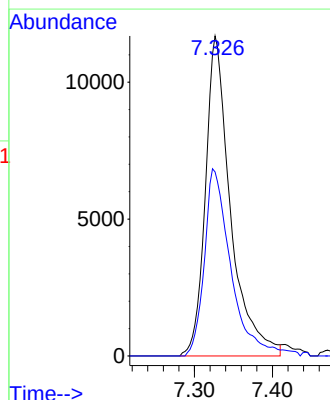
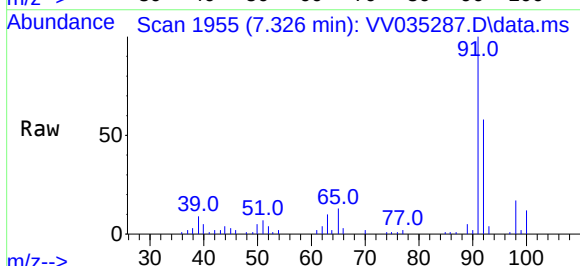
Acq: 18 Apr 2024 16:50

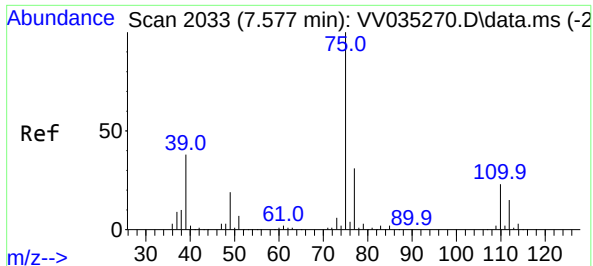
Tgt Ion: 91 Resp: 26195

Ion Ratio Lower Upper

91 100

92 57.5 40.3 74.8

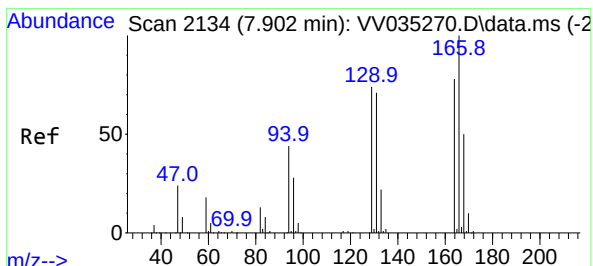
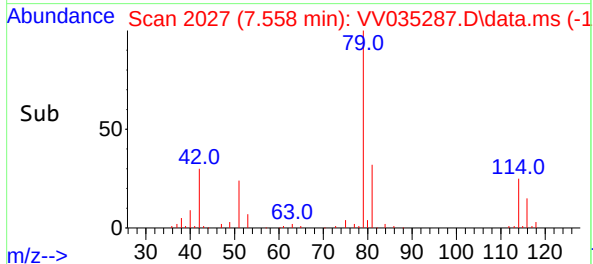
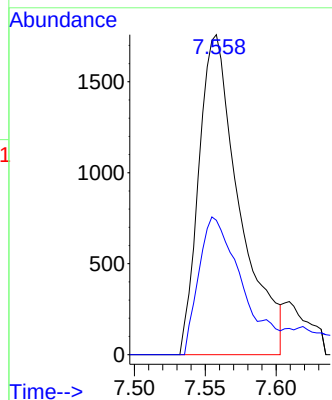
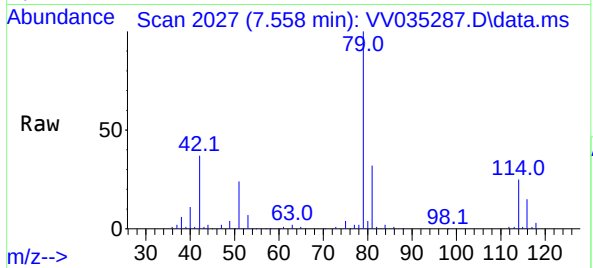




#44
trans-1,3-Dichloropropene
Concen: 1.146 ug/L
RT: 7.558 min Scan# 2033
Delta R.T. -0.019 min
Lab File: VV035287.D
Acq: 18 Apr 2024 16:50

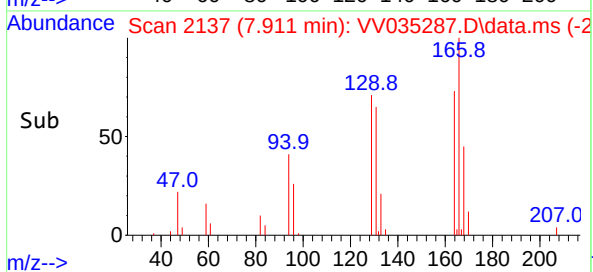
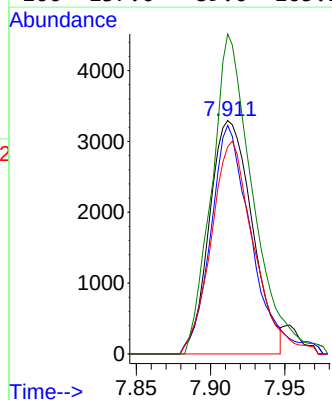
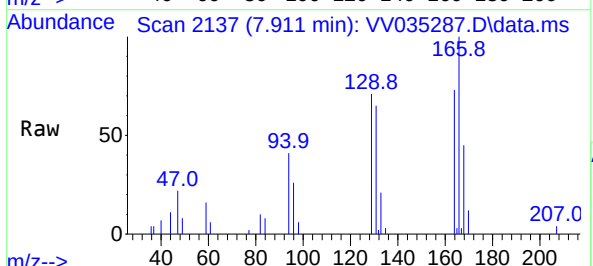
Instrument :
MSVOA_V
ClientSampleId :

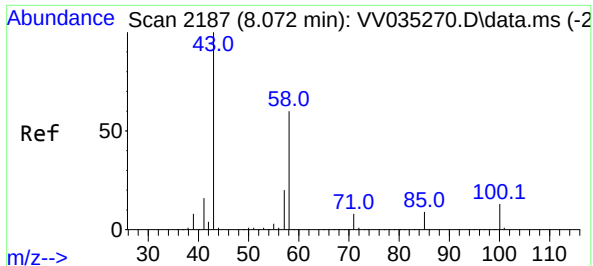
Tgt Ion: 75 Resp: 3496
Ion Ratio Lower Upper
75 100
77 42.0 21.7 40.3#



#46
Tetrachloroethene
Concen: 4.575 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.010 min
Lab File: VV035287.D
Acq: 18 Apr 2024 16:50

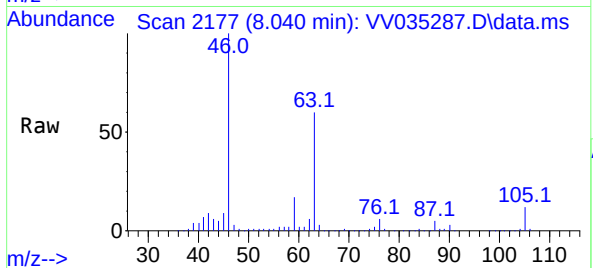
Tgt Ion:164 Resp: 6577
Ion Ratio Lower Upper
164 100
129 97.9 68.6 127.4
131 88.7 65.7 122.1
166 137.0 89.0 165.2



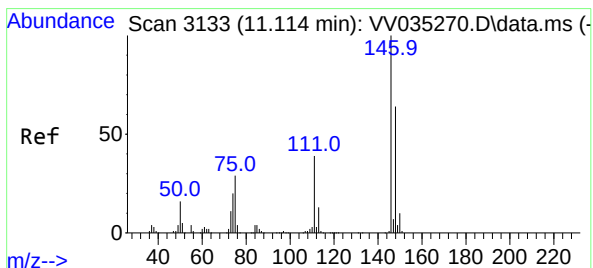
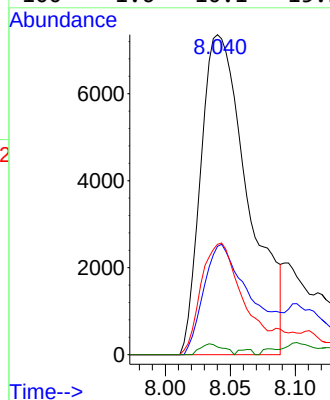
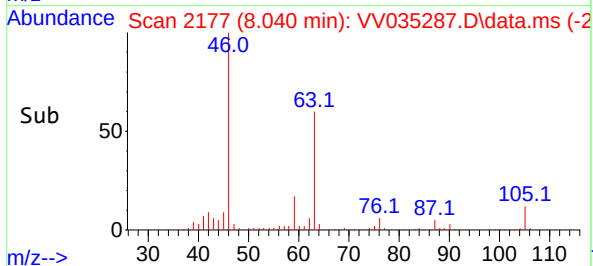


#48
2-Hexanone
Concen: 8.164 ug/L
RT: 8.040 min Scan# 2187
Delta R.T. -0.032 min
Lab File: VV035287.D
Acq: 18 Apr 2024 16:50

Instrument :
MSVOA_V
ClientSampleId :

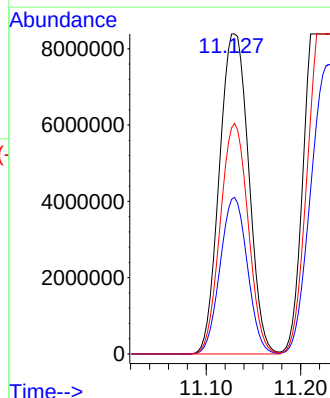
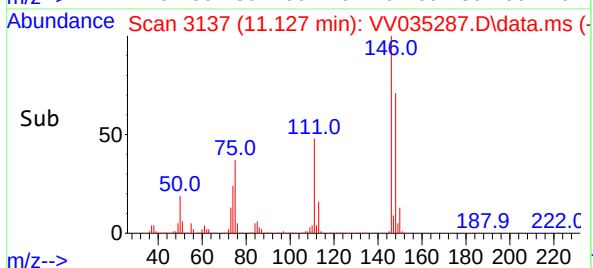
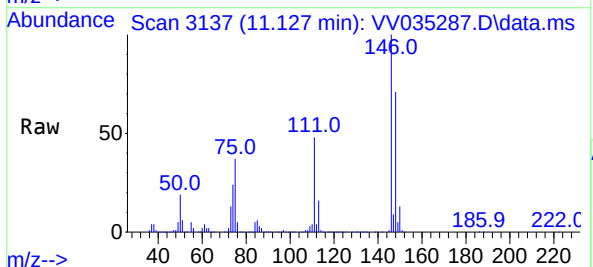


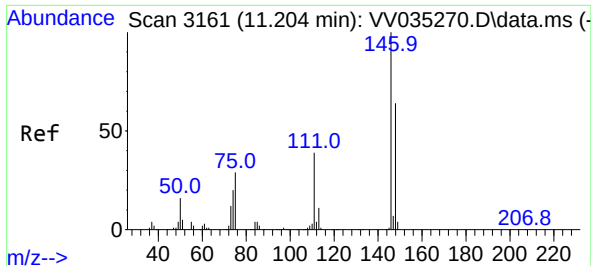
Tgt Ion: 43 Resp: 18681
Ion Ratio Lower Upper
43 100
58 32.7 45.4 68.2#
57 30.3 16.2 24.4#
100 1.6 10.1 15.1#



#64
1,3-Dichlorobenzene
Concen: 2403.853 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.013 min
Lab File: VV035287.D
Acq: 18 Apr 2024 16:50

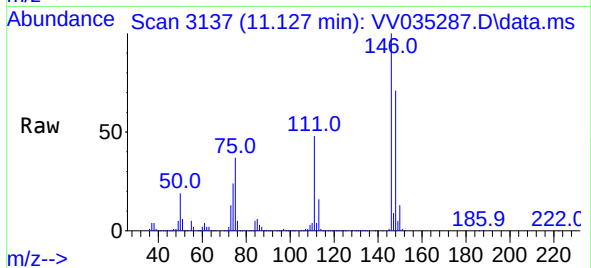
Tgt Ion: 146 Resp: 18080628
Ion Ratio Lower Upper
146 100
111 48.3 28.7 53.3
148 70.7 44.0 81.8



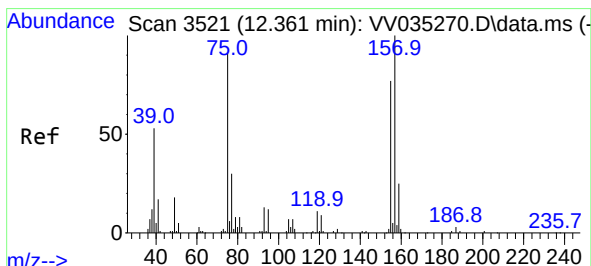
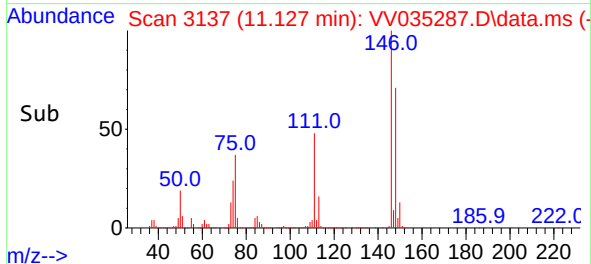
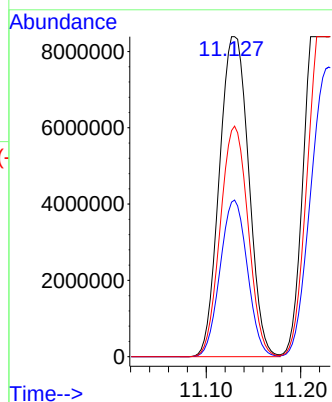


#65
1,4-Dichlorobenzene
Concen: 2363.836 ug/L
RT: 11.127 min Scan# 3161
Delta R.T. -0.080 min
Lab File: VV035287.D
Acq: 18 Apr 2024 16:50

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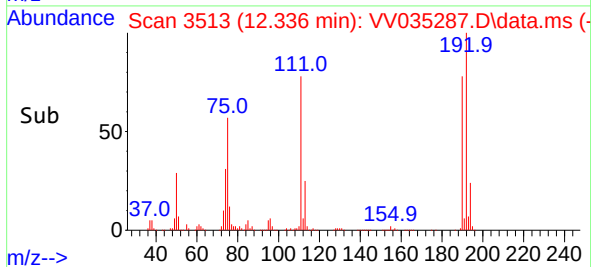
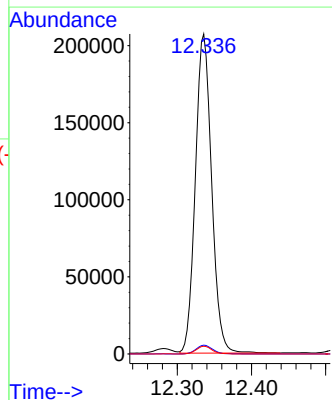
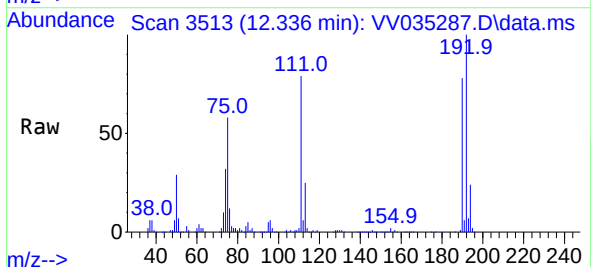


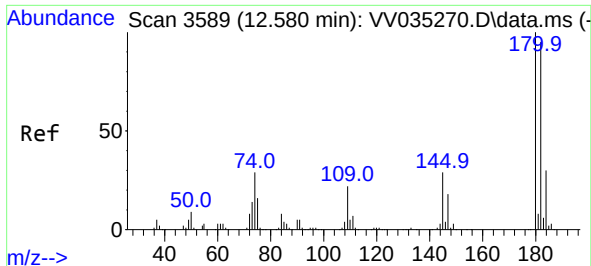
Tgt Ion:146 Resp:18080628
Ion Ratio Lower Upper
146 100
111 48.3 27.4 50.8
148 70.7 44.2 82.2



#68
1,2-Dibromo-3-chloropropane
Concen: 236.939 ug/L
RT: 12.336 min Scan# 3513
Delta R.T. -0.026 min
Lab File: VV035287.D
Acq: 18 Apr 2024 16:50

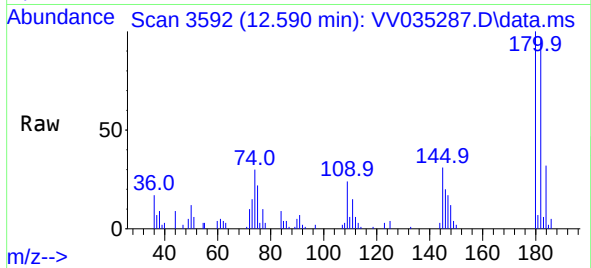
Tgt Ion: 75 Resp: 315801
Ion Ratio Lower Upper
75 100
155 2.8 63.0 94.6#
157 2.4 81.0 121.4#



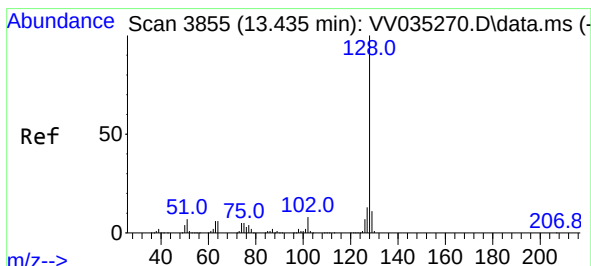
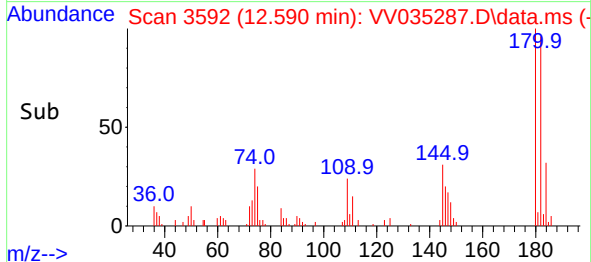
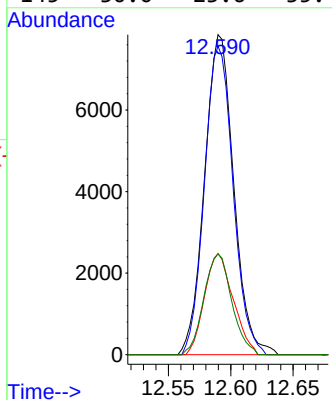


#69
1,3,5-Trichlorobenzene
Concen: 2.362 ug/L
RT: 12.590 min Scan# 31
Delta R.T. 0.010 min
Lab File: VV035287.D
Acq: 18 Apr 2024 16:50

Instrument :
MSVOA_V
ClientSampleId :

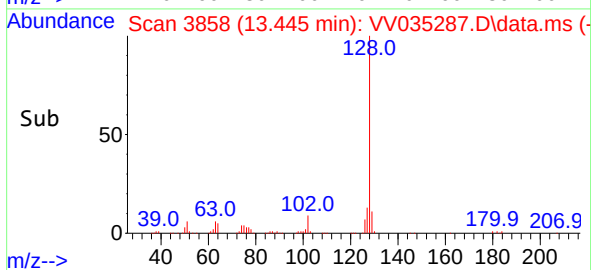
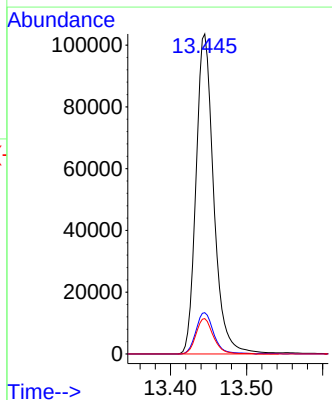
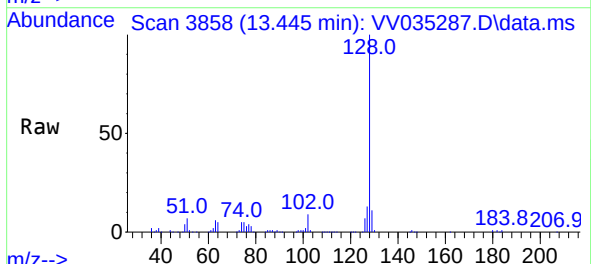


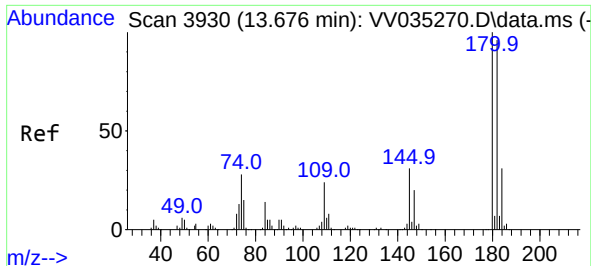
Tgt Ion:180 Resp: 12805
Ion Ratio Lower Upper
180 100
182 94.5 74.7 112.1
184 30.9 24.0 36.0
145 30.0 23.6 35.4



#71
Naphthalene
Concen: 12.134 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.010 min
Lab File: VV035287.D
Acq: 18 Apr 2024 16:50

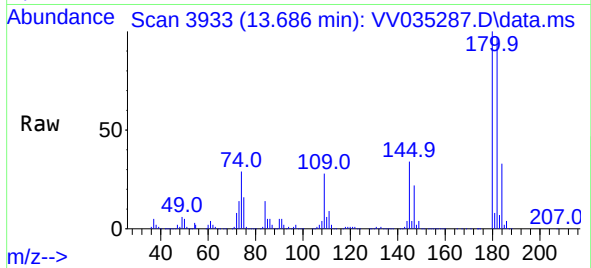
Tgt Ion:128 Resp: 167628
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.8 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 1452.082 ug/L
 RT: 13.686 min Scan# 3933
 Delta R.T. 0.010 min
 Lab File: VV035287.D
 Acq: 18 Apr 2024 16:50

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 7127231

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.2	114.2
145	32.8	25.8	38.6

