

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041824\
 Data File : VW035286.D
 Acq On : 18 Apr 2024 16:26
 Operator : SY/MD
 Sample : P2158-10
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 19 01:43:41 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	5.532	114	343668	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	356450	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.304	152	70	50.000	ug/L	0.12
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	137949	41.564	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.120%
7) Chloroethane-d5	1.526	69	126231	43.788	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.580%
11) 1,1-Dichloroethene-d2	2.056	65	61209	42.071	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.140%
21) 2-Butanone-d5	3.786	46	205967	104.636	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.640%
24) Chloroform-d	4.246	84	282101	50.553	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.100%
26) 1,2-Dichloroethane-d4	4.941	65	180879	51.054	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.100%
32) Benzene-d6	4.960	84	558819	46.672	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.340%
36) 1,2-Dichloropropane-d6	5.986	67	179004	47.080	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.160%
41) Toluene-d8	7.243	98	467974	43.399	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.800%
43) trans-1,3-Dichloroprop...	7.551	79	76410	41.339	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.680%
47) 2-Hexanone-d5	8.024	63	137415	95.592	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.590%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	257950	49.267	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.540%
66) 1,2-Dichlorobenzene-d4	11.651	152	157	99.895	ug/L	0.09
Spiked Amount	50.000	Range	80 - 120	Recovery	=	199.780%#
Target Compounds						
					Qvalue	
25) Chloroform	4.275	83	124499	24.625	ug/L	99
27) 1,2-Dichloroethane	5.005	62	113222	28.127	ug/L #	75
29) Cyclohexane	4.574	56	5113	1.145	ug/L #	71
31) Carbon tetrachloride	4.732	117	55268	14.034	ug/L	98
33) Benzene	5.005	78	12352400	1062.725	ug/L	100
48) 2-Hexanone	8.024	43	15828	4.538	ug/L #	75
59) Bromoform	9.670	173	56	69.810	ug/L #	1
60) Isopropylbenzene	10.863	105	614	121.670	ug/L	97
61) 1,2,3-Trichloropropane	10.198	75	99	65.266	ug/L #	39
62) 1,3,5-Trimethylbenzene	10.487	105	409	124.794	ug/L #	79
63) 1,2,4-Trimethylbenzene	10.863	105	614	151.527	ug/L #	70
64) 1,3-Dichlorobenzene	11.114	146	2267063	961317.590	ug/L	99
65) 1,4-Dichlorobenzene	11.114	146	2267063	945314.756	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	14856593	6323901.302	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.329	75	39691	94978.283	ug/L #	7
69) 1,3,5-Trichlorobenzene	12.583	180	15662	9214.943	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	8142885	5215685.777	ug/L	98
71) Naphthalene	13.448	128	4012	926.243	ug/L	97
72) 1,2,3-Trichlorobenzene	13.677	180	2202543	1431210.805	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Wed Apr 10 04:53:36 2024
Response via : Initial Calibration

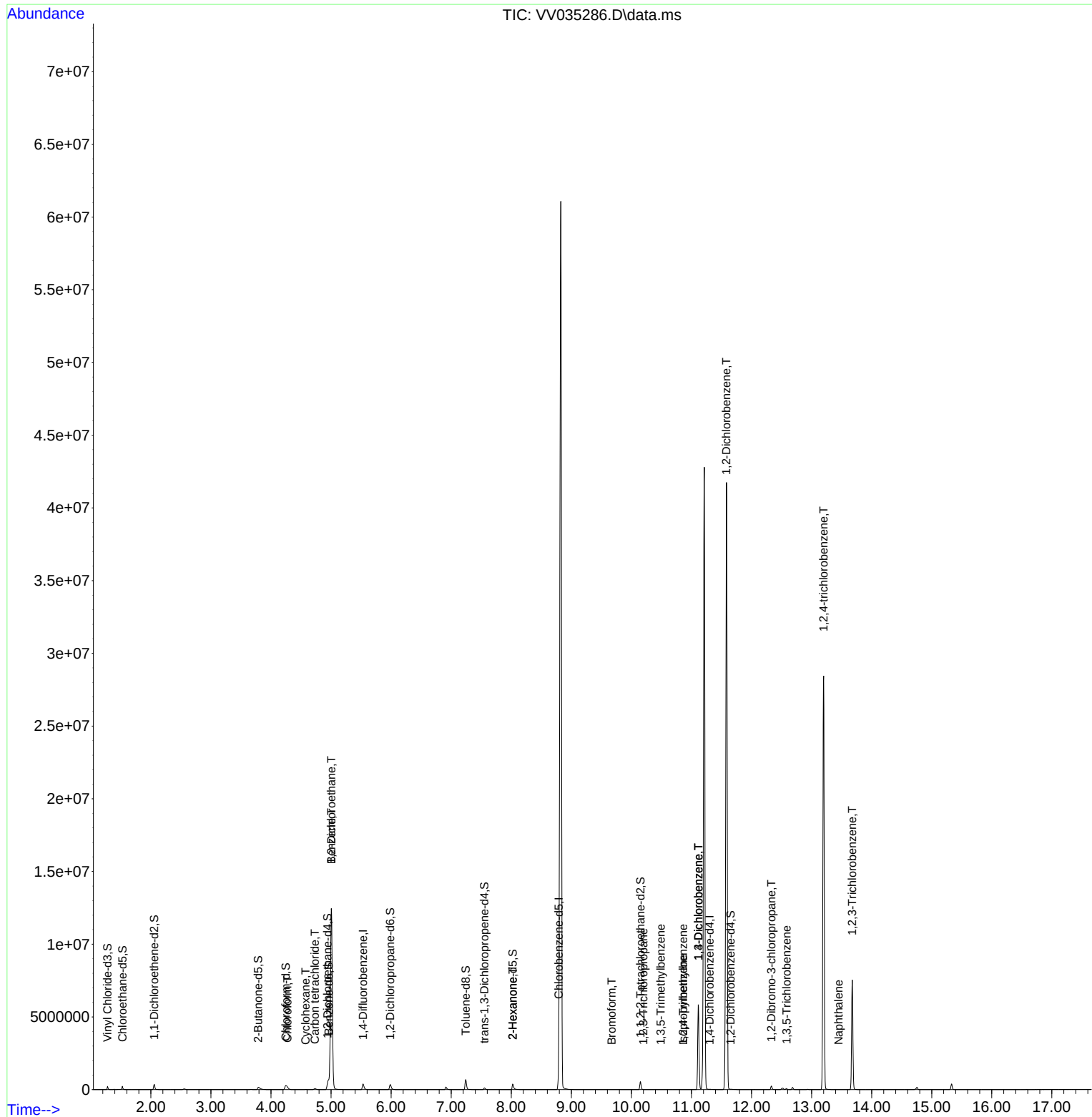
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

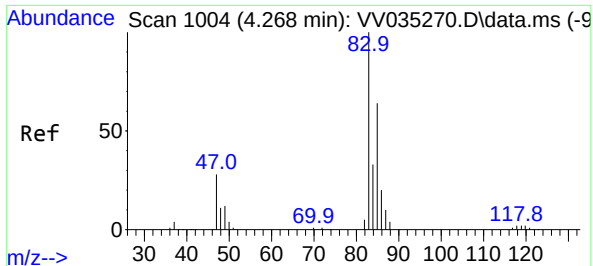
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Chloroform

Concen: 24.625 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV035286.D

Acq: 18 Apr 2024 16:26

Instrument :

MSVOA_V

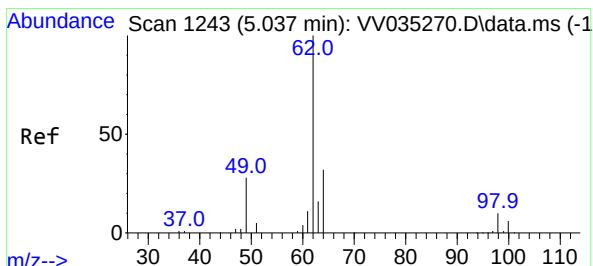
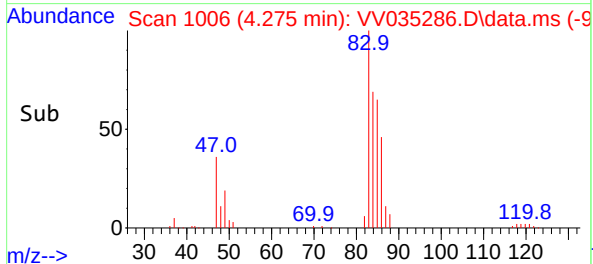
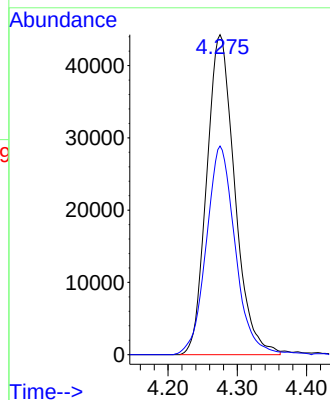
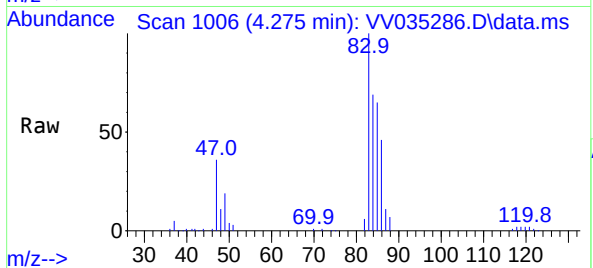
ClientSampleId :

Tgt Ion: 83 Resp: 124499

Ion Ratio Lower Upper

83 100

85 65.2 46.0 85.4



#27

1,2-Dichloroethane

Concen: 28.127 ug/L

RT: 5.005 min Scan# 1233

Delta R.T. -0.032 min

Lab File: VV035286.D

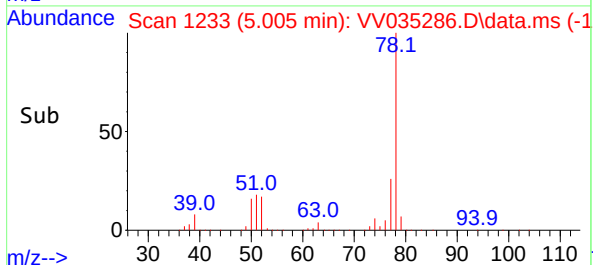
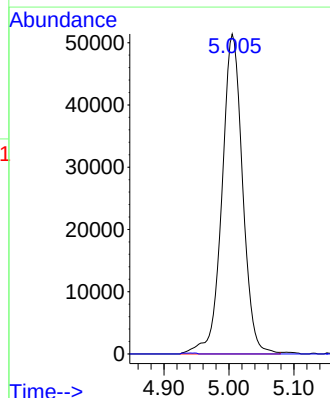
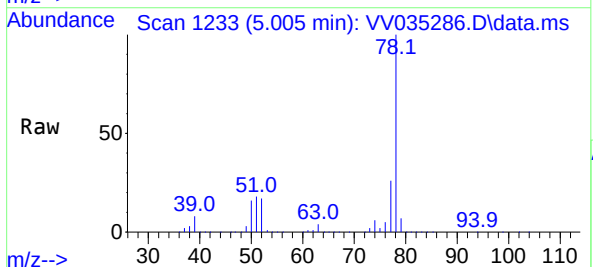
Acq: 18 Apr 2024 16:26

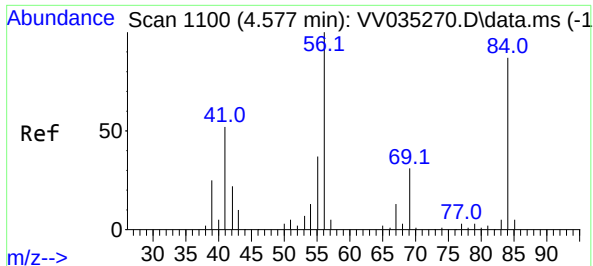
Tgt Ion: 62 Resp: 113222

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#





#29

Cyclohexane

Concen: 1.145 ug/L

RT: 4.574 min Scan# 1100

Delta R.T. -0.003 min

Lab File: VV035286.D

Acq: 18 Apr 2024 16:26

Instrument :

MSVOA_V

ClientSampleId :

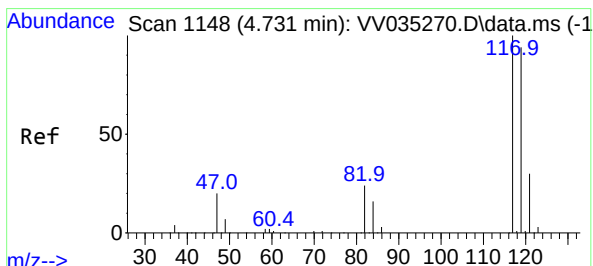
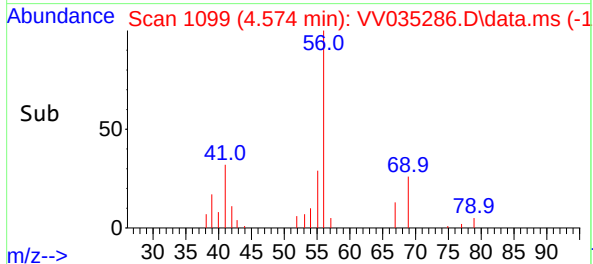
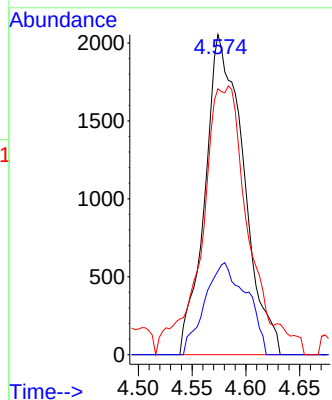
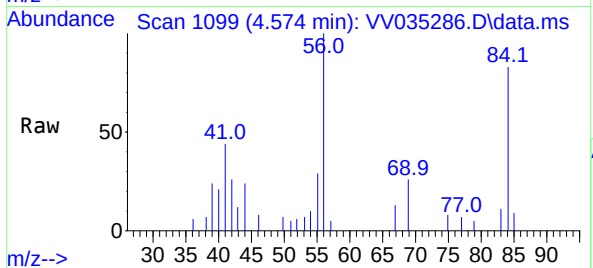
Tgt Ion: 56 Resp: 5113

Ion Ratio Lower Upper

56 100

69 31.2 24.2 36.2

84 52.3 69.8 104.8#



#31

Carbon tetrachloride

Concen: 14.034 ug/L

RT: 4.732 min Scan# 1148

Delta R.T. 0.000 min

Lab File: VV035286.D

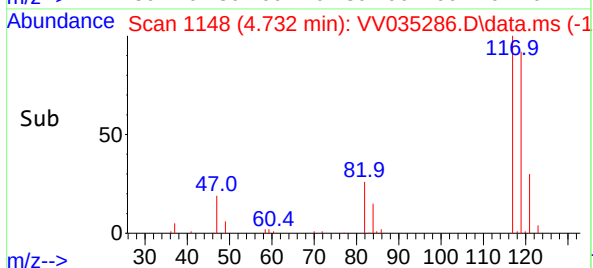
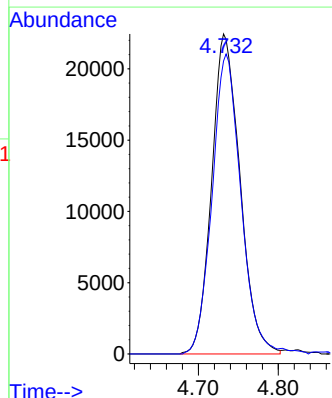
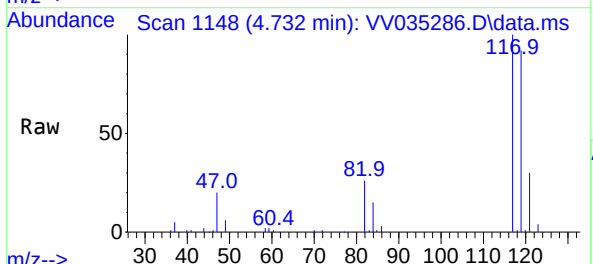
Acq: 18 Apr 2024 16:26

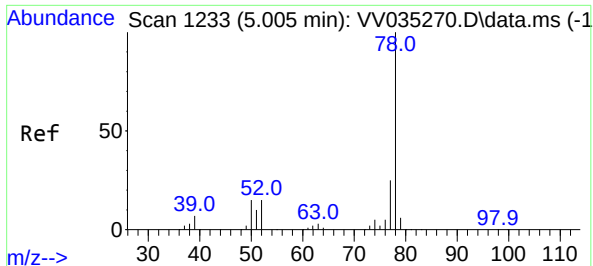
Tgt Ion: 117 Resp: 55268

Ion Ratio Lower Upper

117 100

119 94.4 77.1 115.7

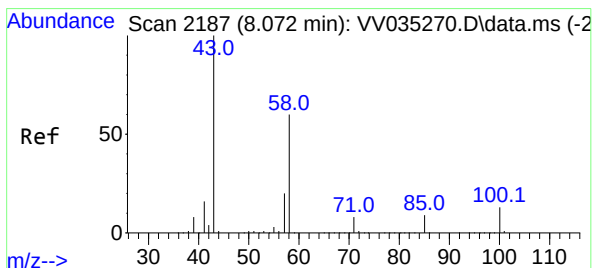
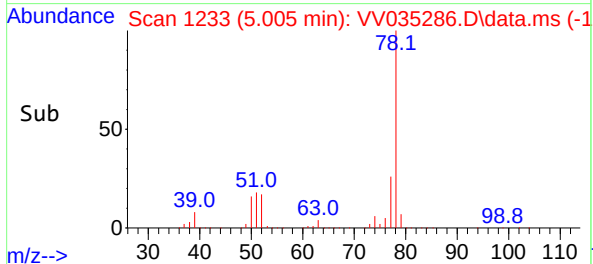
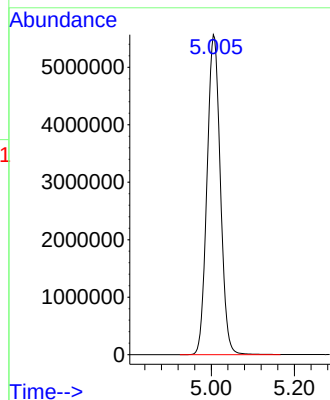
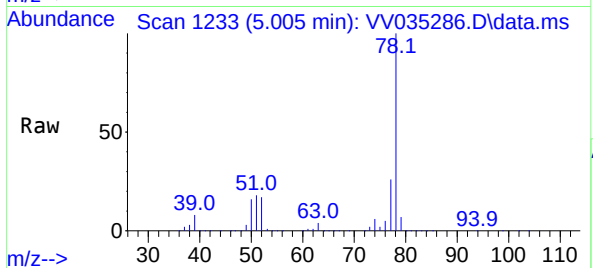




#33
Benzene
Concen: 1062.725 ug/L
RT: 5.005 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

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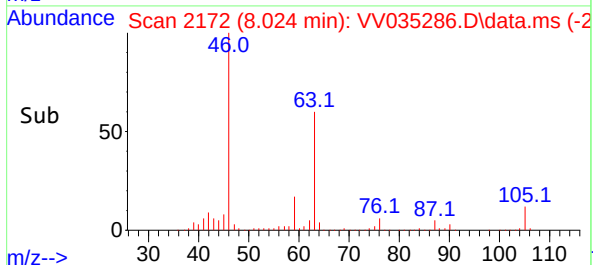
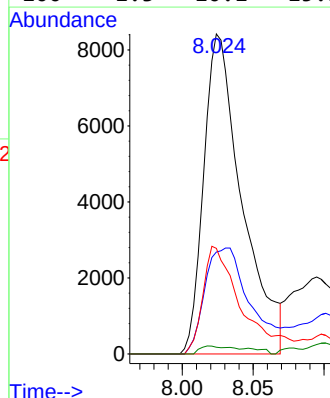
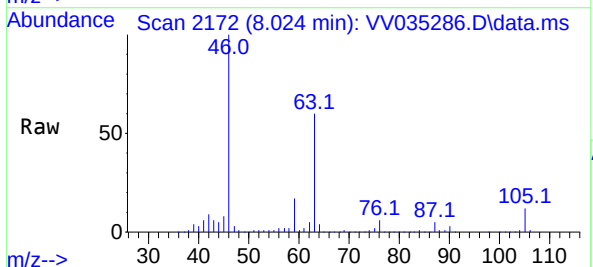
Tgt Ion: 78 Resp:12352400

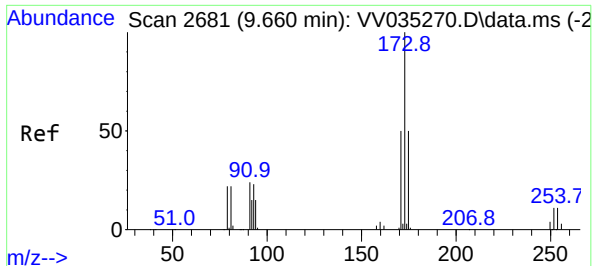


#48
2-Hexanone
Concen: 4.538 ug/L
RT: 8.024 min Scan# 2172
Delta R.T. -0.048 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

Tgt Ion: 43 Resp: 15828

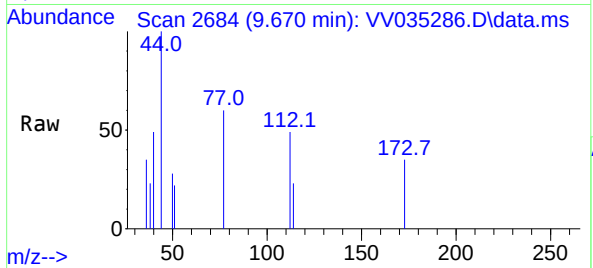
Ion	Ratio	Lower	Upper
43	100		
58	39.1	45.4	68.2#
57	31.5	16.2	24.4#
100	1.3	10.1	15.1#



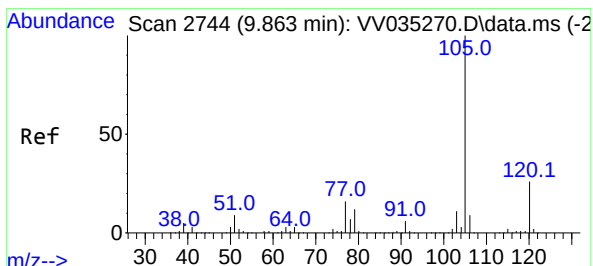
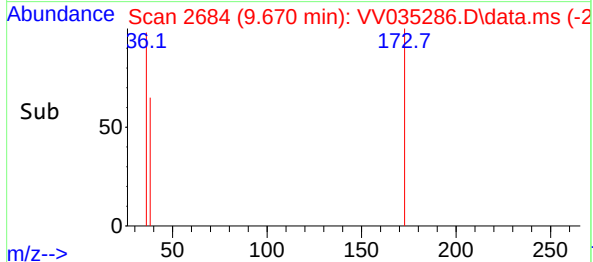
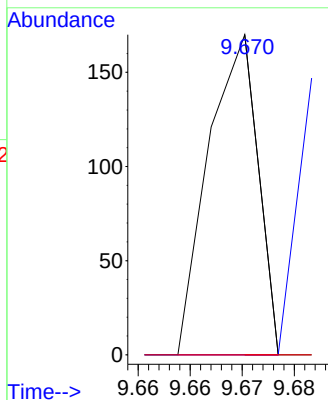


#59
Bromoform
Concen: 69.810 ug/L
RT: 9.670 min Scan# 20
Delta R.T. 0.010 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

Instrument :
MSVOA_V
ClientSampleId :

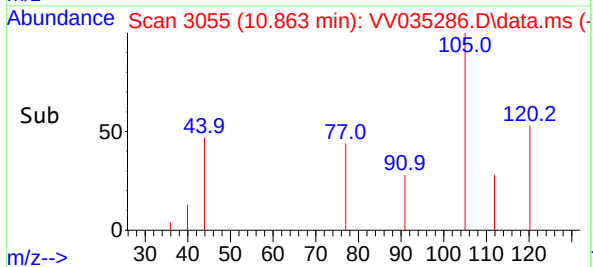
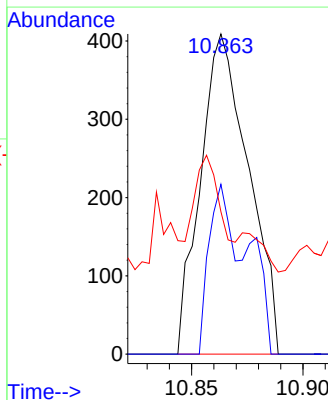
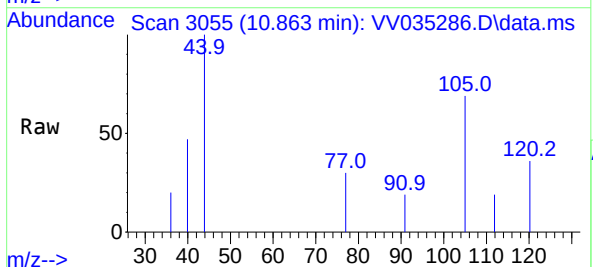


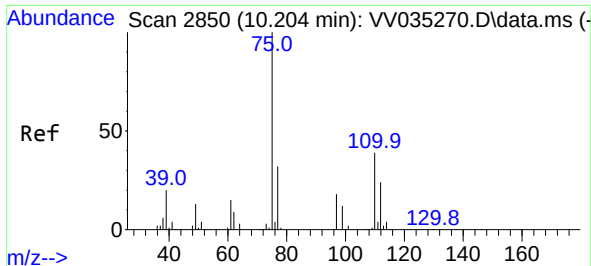
Tgt Ion:173 Resp: 56
Ion Ratio Lower Upper
173 100
175 162.5 39.3 58.9#
254 0.0 7.5 11.3#



#60
Isopropylbenzene
Concen: 121.670 ug/L
RT: 10.863 min Scan# 3055
Delta R.T. 1.000 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

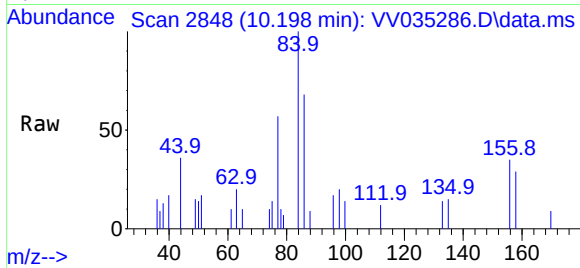
Tgt Ion:105 Resp: 614
Ion Ratio Lower Upper
105 100
120 25.4 21.0 31.6
77 14.2 13.1 19.7



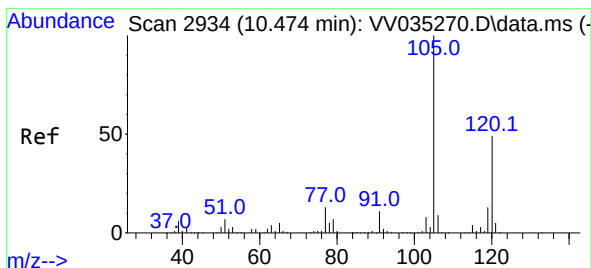
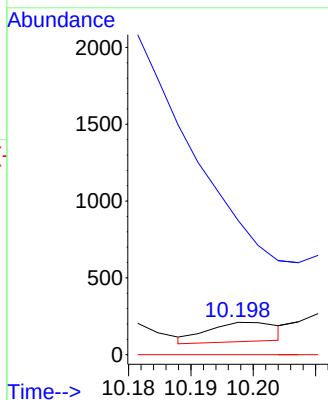
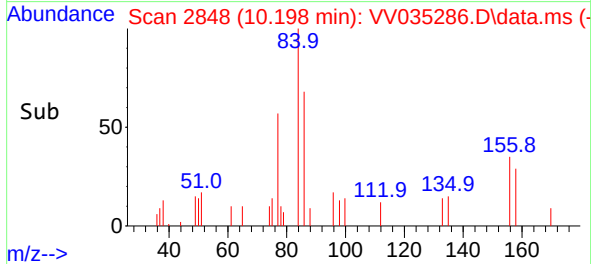


#61
1,2,3-Trichloropropane
Concen: 65.266 ug/L
RT: 10.198 min Scan# 21
Delta R.T. -0.006 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

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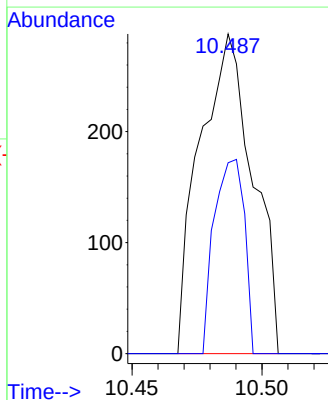
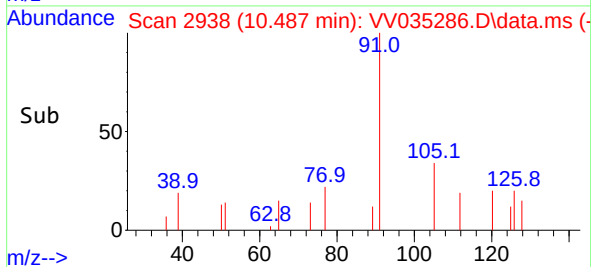
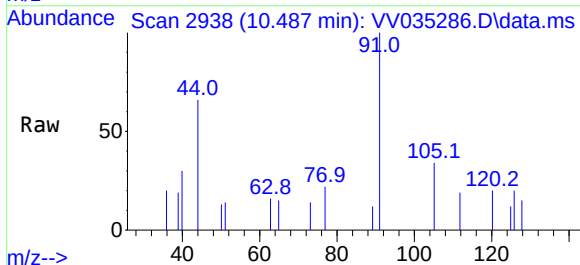


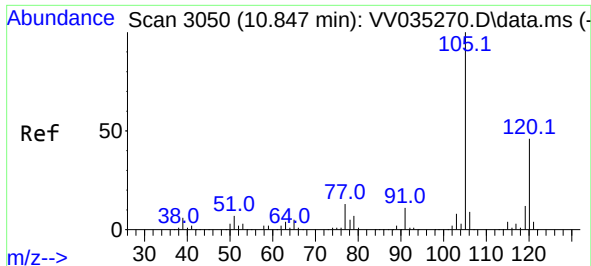
Tgt Ion: 75 Resp: 99
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 0.0 30.5 45.7#



#62
1,3,5-Trimethylbenzene
Concen: 124.794 ug/L
RT: 10.487 min Scan# 2938
Delta R.T. 0.013 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

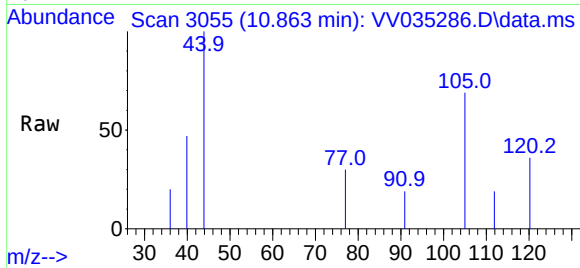
Tgt Ion: 105 Resp: 409
Ion Ratio Lower Upper
105 100
120 34.5 38.7 58.1#



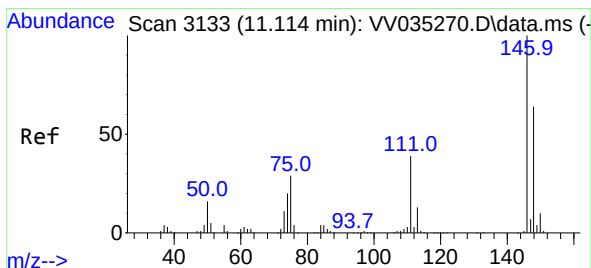
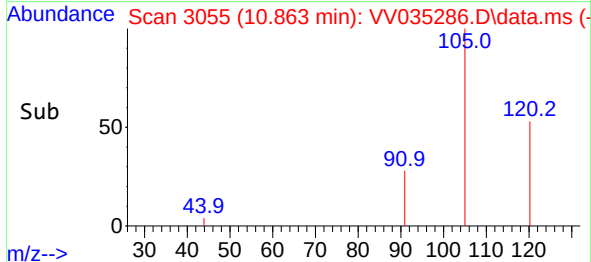
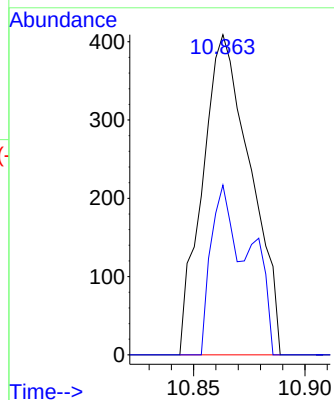


#63
1,2,4-Trimethylbenzene
Concen: 151.527 ug/L
RT: 10.863 min Scan# 3055
Delta R.T. 0.013 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

Instrument :
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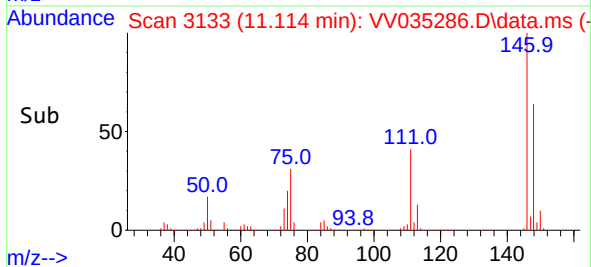
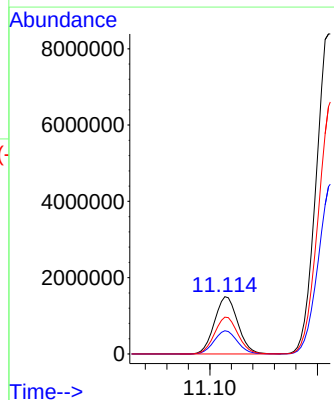
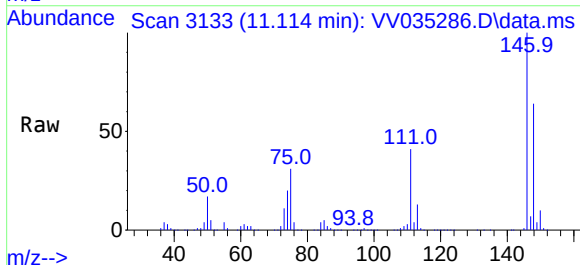


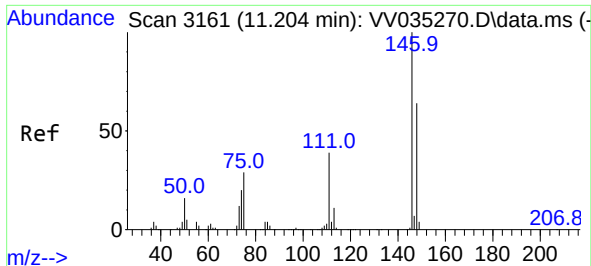
Tgt Ion:105 Resp: 614
Ion Ratio Lower Upper
105 100
120 25.4 35.9 53.9#



#64
1,3-Dichlorobenzene
Concen: 961317.590 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. 0.000 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

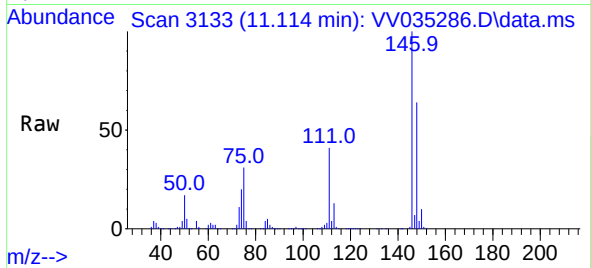
Tgt Ion:146 Resp: 2267063
Ion Ratio Lower Upper
146 100
111 40.6 28.7 53.3
148 64.4 44.0 81.8



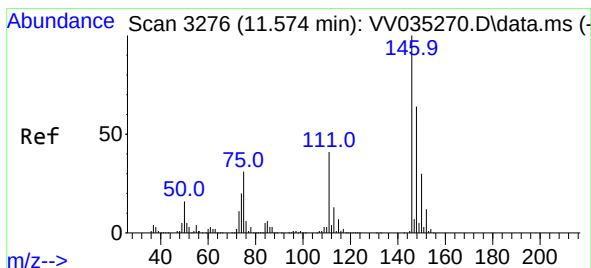
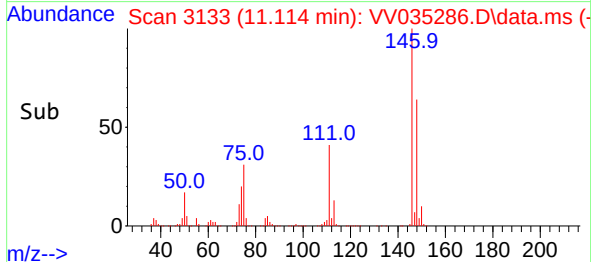
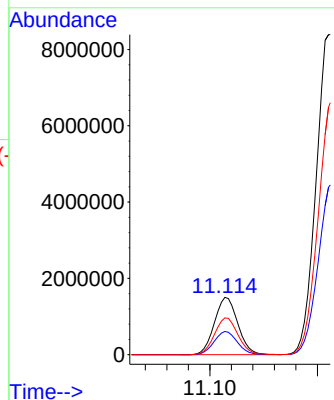


#65
1,4-Dichlorobenzene
Concen: 945314.756 ug/L
RT: 11.114 min Scan# 3161
Delta R.T. -0.093 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

Instrument :
MSVOA_V
ClientSampleId :

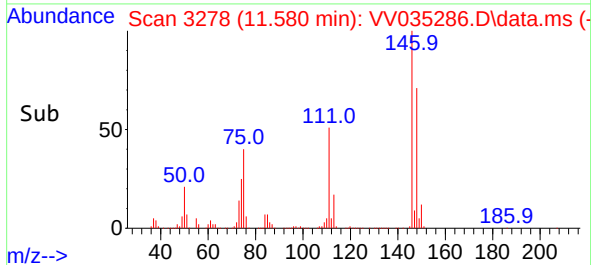
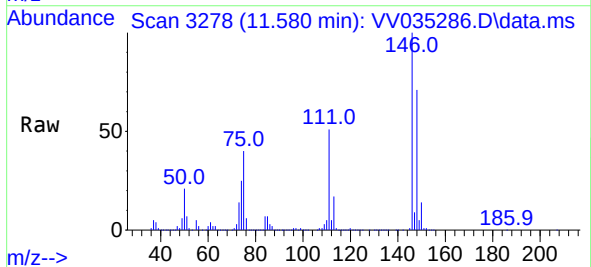
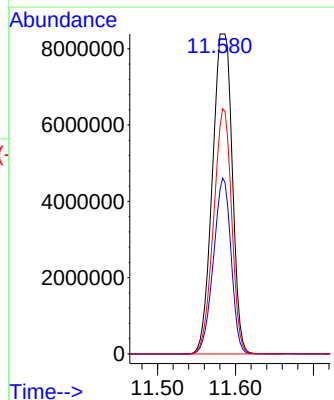


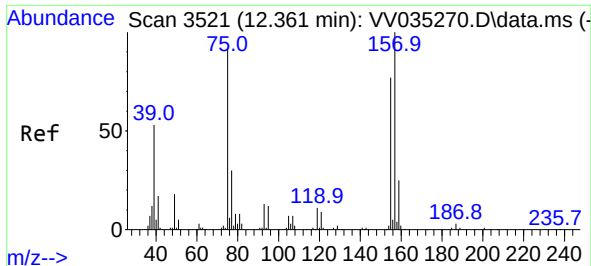
Tgt Ion:146 Resp: 2267063
Ion Ratio Lower Upper
146 100
111 40.6 27.4 50.8
148 64.4 44.2 82.2



#67
1,2-Dichlorobenzene
Concen: 6323901.302 ug/L
RT: 11.580 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

Tgt Ion:146 Resp:14856593
Ion Ratio Lower Upper
146 100
111 51.3 34.6 52.0
148 71.2 51.5 77.3

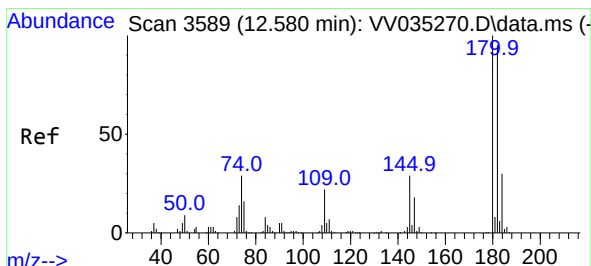
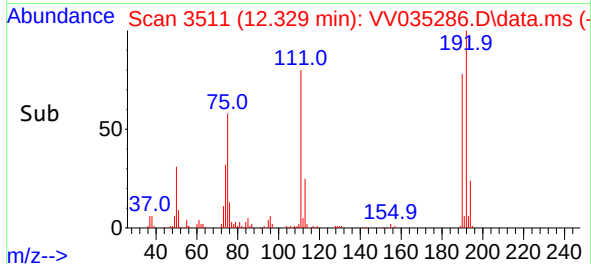
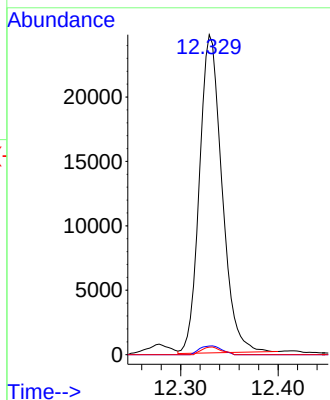
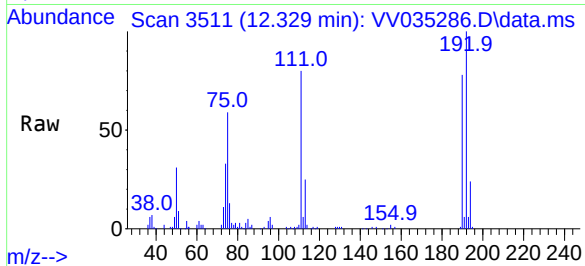




#68
1,2-Dibromo-3-chloropropane
Concen: 94978.283 ug/L
RT: 12.329 min Scan# 311
Delta R.T. -0.032 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

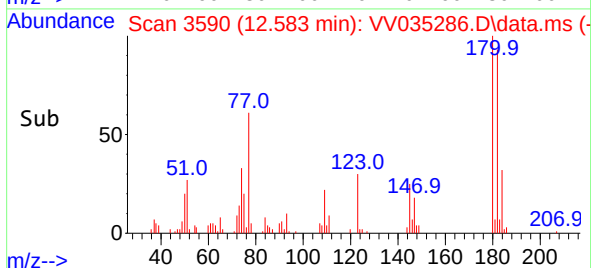
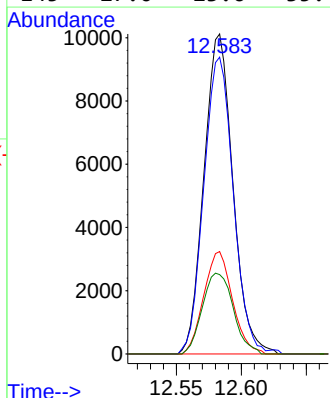
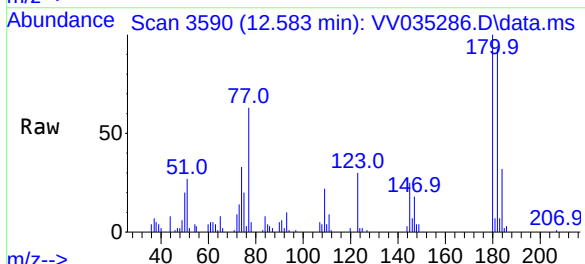
Instrument :
MSVOA_V
ClientSampleId :

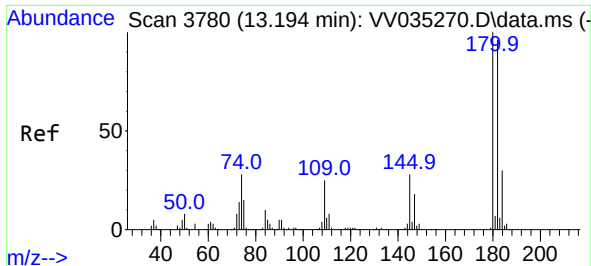
Tgt Ion: 75 Resp: 39691
Ion Ratio Lower Upper
75 100
155 2.7 63.0 94.6#
157 2.4 81.0 121.4#



#69
1,3,5-Trichlorobenzene
Concen: 9214.943 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

Tgt Ion:180 Resp: 15662
Ion Ratio Lower Upper
180 100
182 94.3 74.7 112.1
184 31.7 24.0 36.0
145 27.0 23.6 35.4

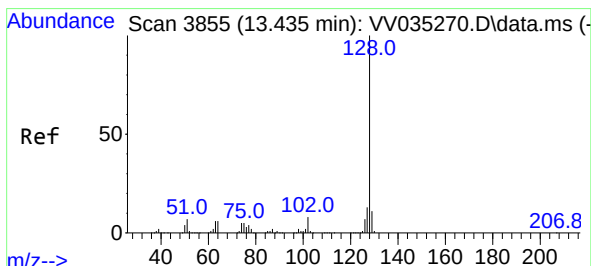
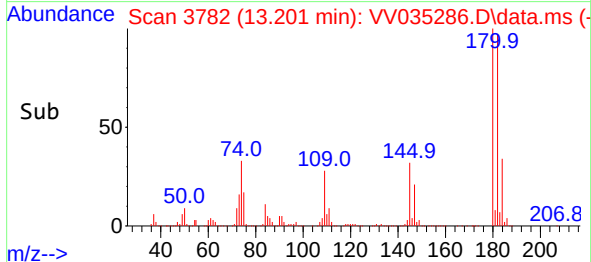
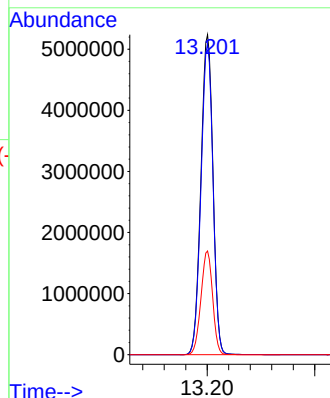
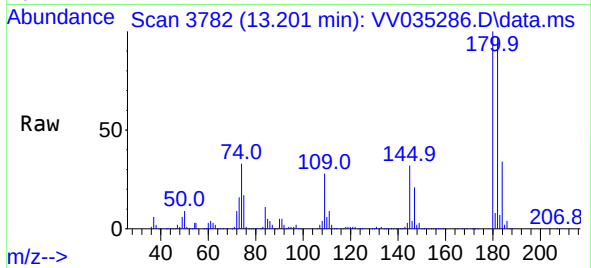




#70
1,2,4-trichlorobenzene
Concen: 5215685.777 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.006 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

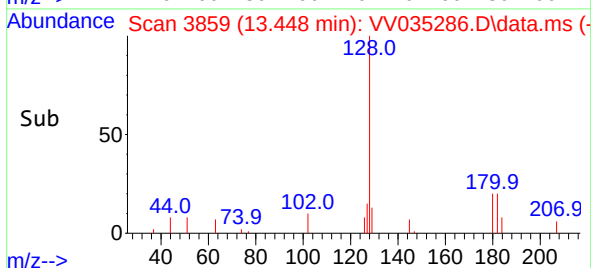
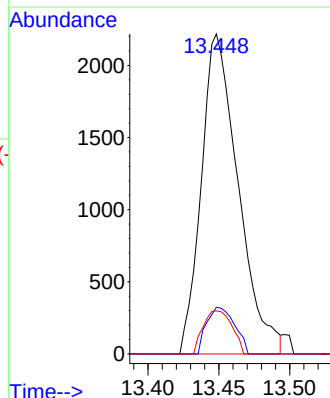
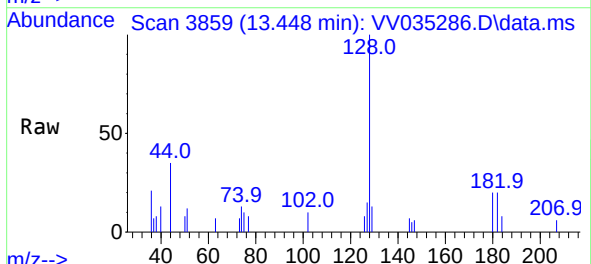
Instrument :
MSVOA_V
ClientSampleId :

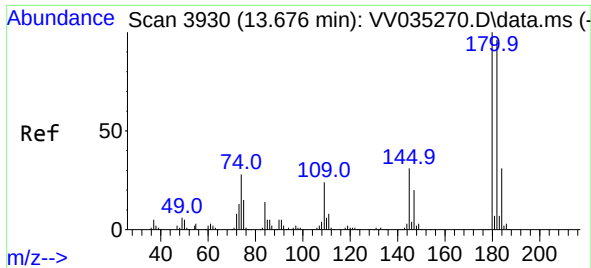
Tgt Ion:180 Resp: 8142885
Ion Ratio Lower Upper
180 100
182 96.3 75.6 113.4
145 31.4 24.1 36.1



#71
Naphthalene
Concen: 926.243 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.013 min
Lab File: VV035286.D
Acq: 18 Apr 2024 16:26

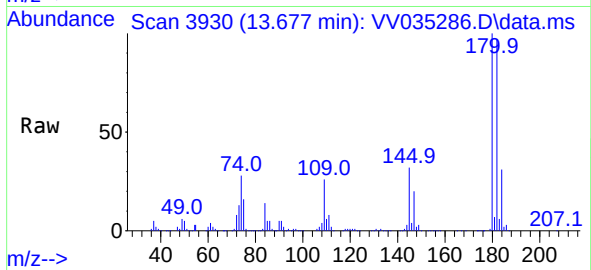
Tgt Ion:128 Resp: 4012
Ion Ratio Lower Upper
128 100
127 11.1 10.5 15.7
129 10.5 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 1431210.805 ug/L
 RT: 13.677 min Scan# 3930
 Delta R.T. 0.000 min
 Lab File: VV035286.D
 Acq: 18 Apr 2024 16:26

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 2202543

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.2
145	31.4	25.8	38.6

