

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071222\
 Data File : VW026733.D
 Acq On : 12 Jul 2022 18:14
 Operator : SY/MD
 Sample : N3601-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUA7

Quant Time: Jul 13 03:03:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 13 02:57:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	225998	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	227335	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	95659	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	101871	4.941	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.800%
7) Chloroethane-d5	1.561	69	93081	5.225	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.600%
11) 1,1-Dichloroethene-d2	2.098	63	148823	3.760	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.200%
20) 2-Butanone-d5	3.912	46	172835	53.711	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.420%
24) Chloroform-d	4.346	84	185802	5.154	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	5.031	65	87296	5.543	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.800%
32) Benzene-d6	5.047	84	343493	4.972	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
36) 1,2-Dichloropropane-d6	6.066	67	110405	5.330	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.600%
41) Toluene-d8	7.313	98	265333	4.327	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	7.625	79	24929	3.679	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.600%
46) 2-Hexanone-d5	8.092	63	156602	53.377	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.760%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	82957	5.141	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	99749	5.985	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	5764	0.209	ug/L	92
6) Bromomethane	1.516	94	846	0.050	ug/L	73
8) Chloroethane	1.423	64	109842	6.641	ug/L #	49
12) 1,1-Dichloroethene	2.101	96	1877	0.095	ug/L #	1
14) Carbon disulfide	2.285	76	60810	1.042	ug/L	100
18) trans-1,2-Dichloroethene	2.764	96	816	0.045	ug/L	95
22) cis-1,2-Dichloroethene	3.908	96	10274	0.559	ug/L	97
25) Chloroform	4.371	83	3563	0.102	ug/L	81
33) Benzene	5.101	78	22507	0.296	ug/L	100
34) Trichloroethene	5.912	95	51325	2.748	ug/L	95
35) Methylcyclohexane	6.066	83	27283	0.957	ug/L #	19
37) 1,2-Dichloropropane	6.066	63	11306	0.622	ug/L #	86
47) Tetrachloroethene	7.973	164	86967	5.936	ug/L	99
49) Dibromochloromethane	7.973	129	83065	5.425	ug/L #	10
51) Chlorobenzene	8.882	112	27873	0.574	ug/L	97
52) Ethylbenzene	9.021	91	5384	0.071	ug/L	96
53) m,p-Xylene	9.143	106	3936	0.133	ug/L	85
54) o-Xylene	9.545	106	3713	0.132	ug/L	96
60) Isopropylbenzene	10.452	105	5069	0.085	ug/L	93

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jul 13 02:57:58 2022
Response via : Initial Calibration

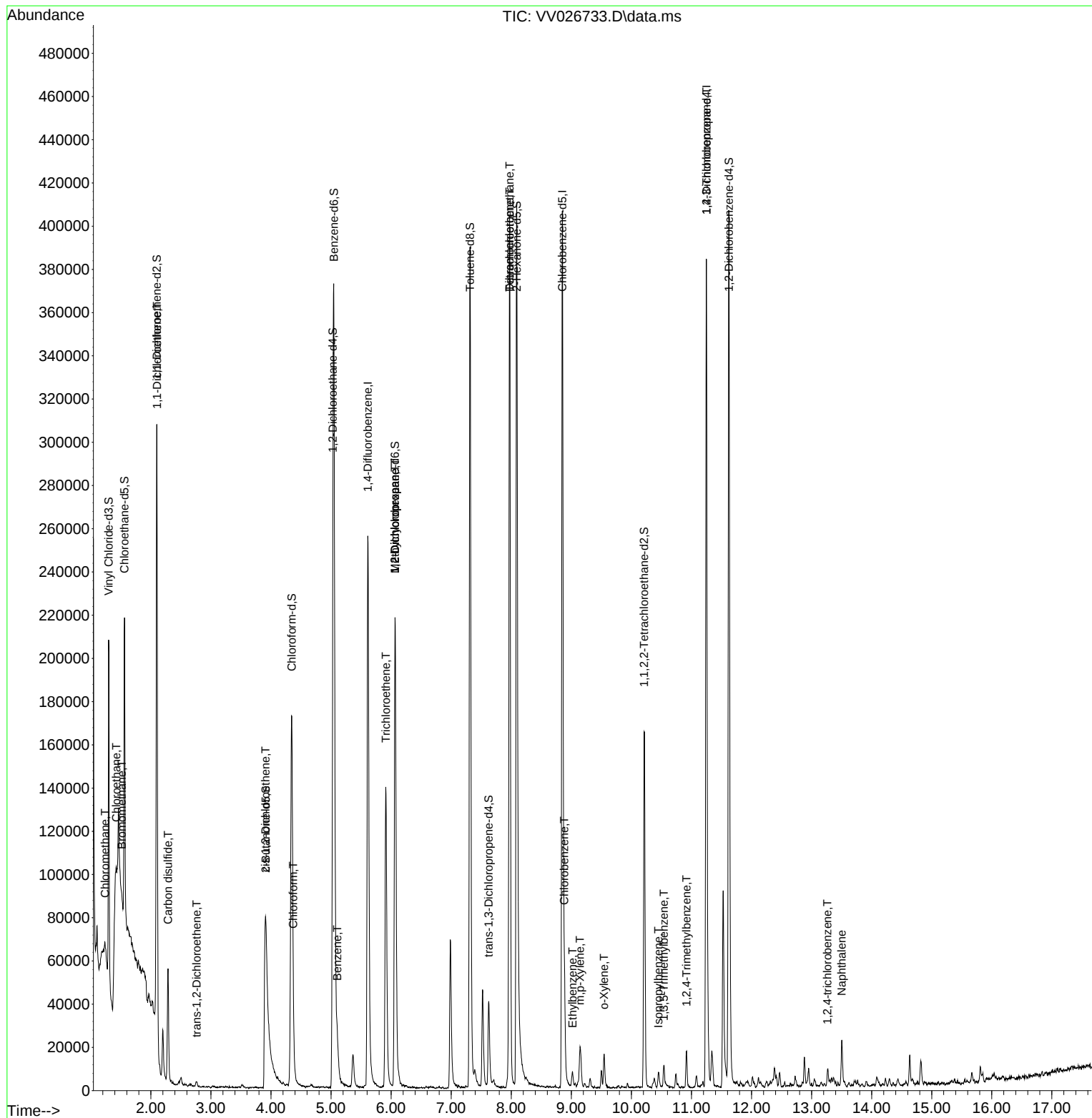
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	15069	1.708	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.542	105	4349	0.092	ug/L	96
63) 1,2,4-Trimethylbenzene	10.918	105	8966	0.186	ug/L	99
70) 1,2,4-trichlorobenzene	13.265	180	890	0.057	ug/L #	88
71) Naphthalene	13.503	128	15438	0.593	ug/L	98

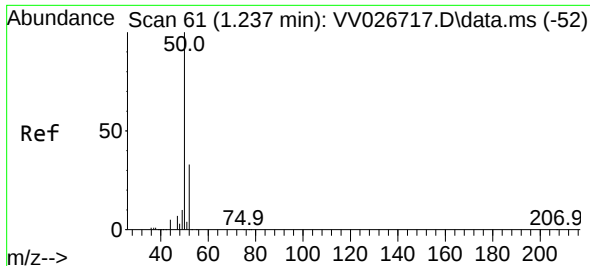
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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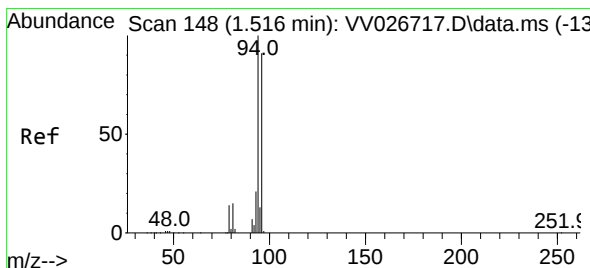
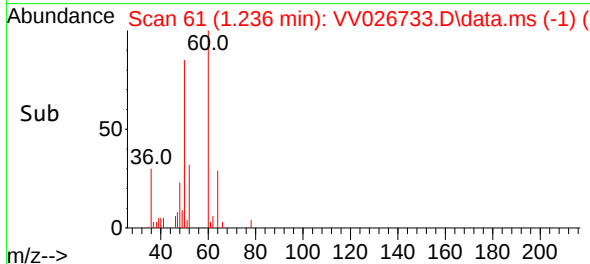
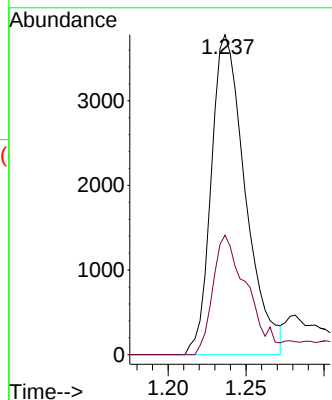
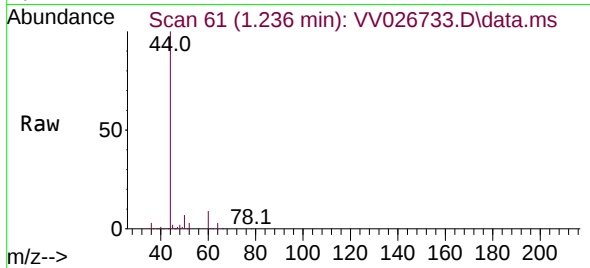




#3
Chloromethane
Concen: 0.209 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

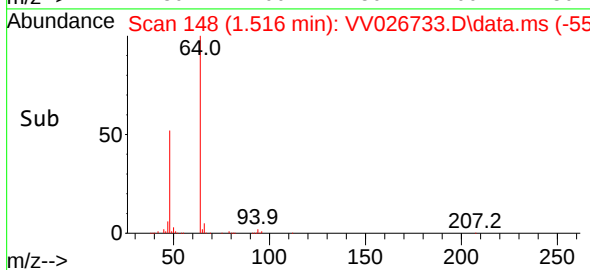
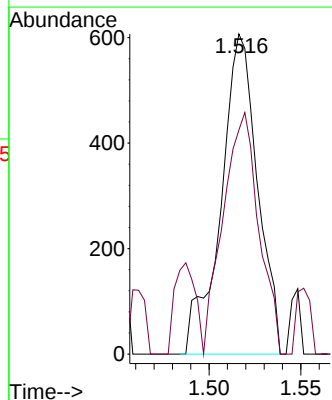
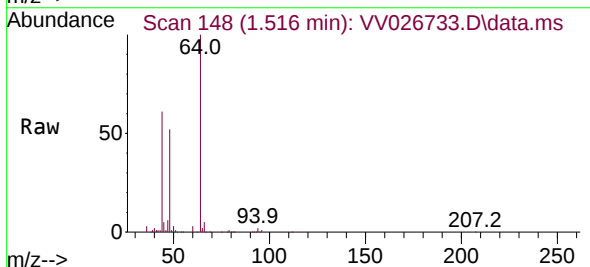
Instrument :
MSVOA_V
ClientSampleId :
DBUA7

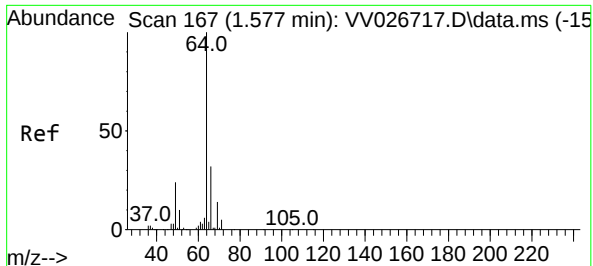
Tgt Ion: 50 Resp: 5764
Ion Ratio Lower Upper
50 100
52 37.4 22.8 42.4



#6
Bromomethane
Concen: 0.050 ug/L
RT: 1.516 min Scan# 148
Delta R.T. -0.000 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

Tgt Ion: 94 Resp: 846
Ion Ratio Lower Upper
94 100
96 70.0 67.1 124.7

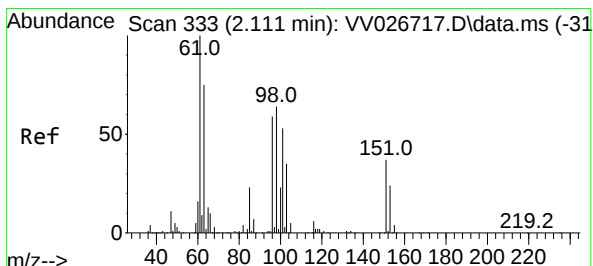
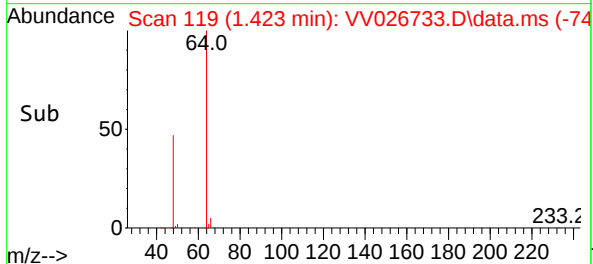
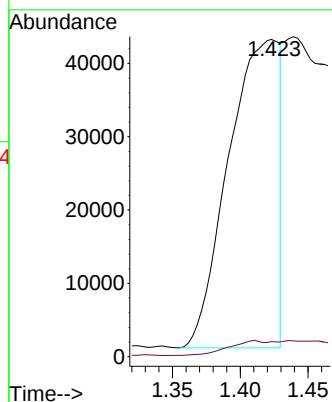
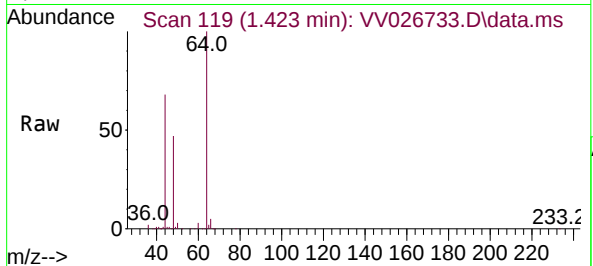




#8
Chloroethane
Concen: 6.641 ug/L
RT: 1.423 min Scan# 119
Delta R.T. -0.154 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

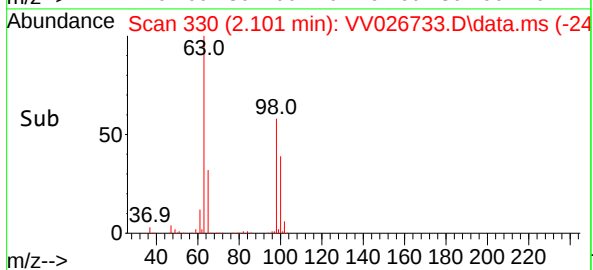
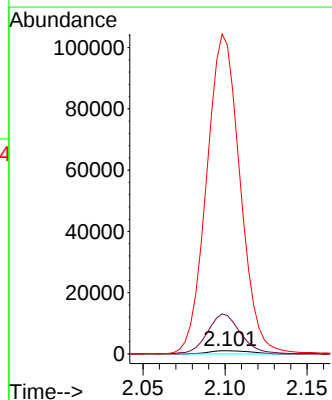
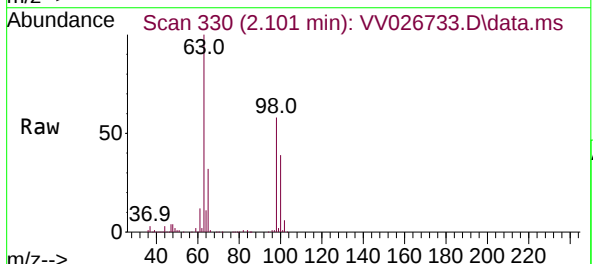
Instrument :
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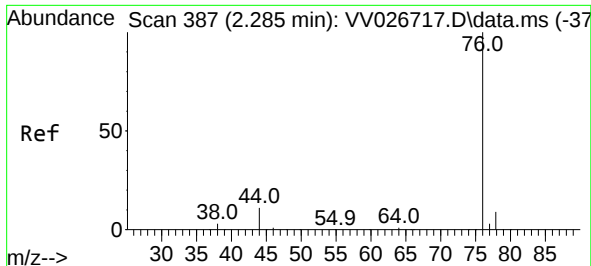
Tgt Ion: 64 Resp: 109842
Ion Ratio Lower Upper
64 100
66 4.7 23.9 44.5#



#12
1,1-Dichloroethene
Concen: 0.095 ug/L
RT: 2.101 min Scan# 330
Delta R.T. -0.010 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

Tgt Ion: 96 Resp: 1877
Ion Ratio Lower Upper
96 100
61 1174.9 118.3 219.7#
63 9432.2 79.9 148.3#

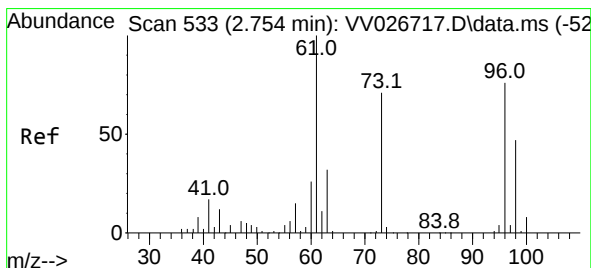
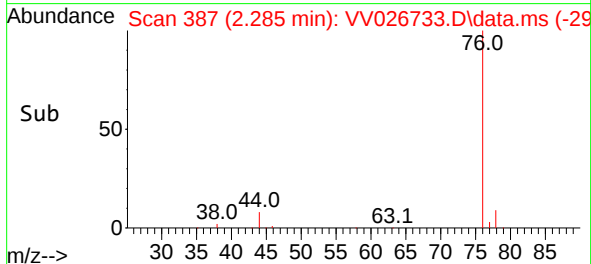
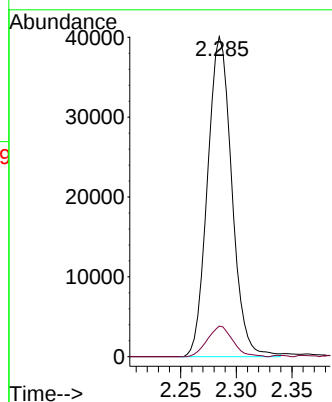
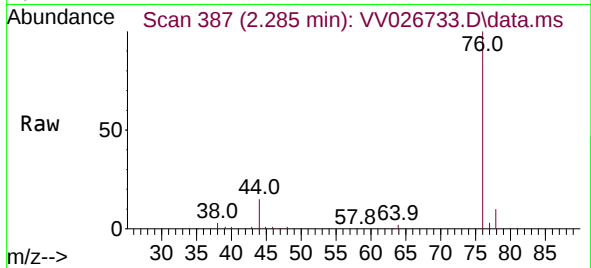




#14
Carbon disulfide
Concen: 1.042 ug/L
RT: 2.285 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

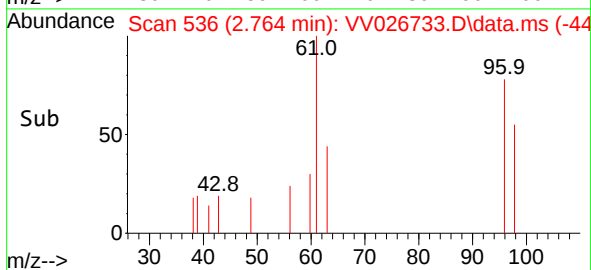
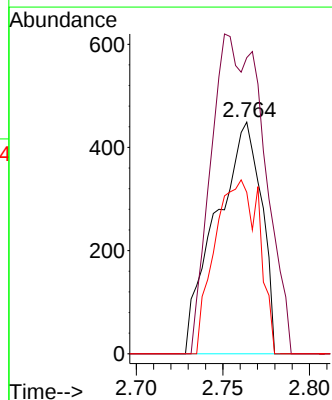
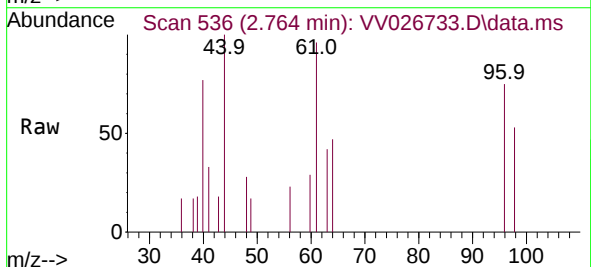
Instrument :
MSVOA_V
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DBUA7

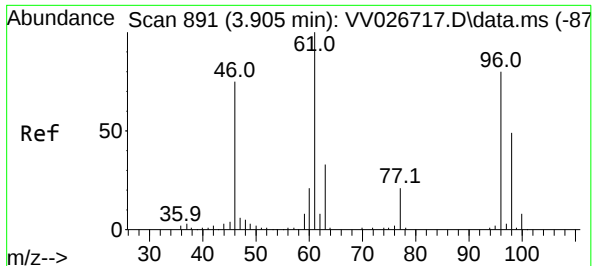
Tgt Ion: 76 Resp: 60810
Ion Ratio Lower Upper
76 100
78 9.6 7.7 11.5



#18
trans-1,2-Dichloroethene
Concen: 0.045 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.010 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

Tgt Ion: 96 Resp: 816
Ion Ratio Lower Upper
96 100
61 127.8 94.7 175.9
98 69.7 47.4 88.0





#22

cis-1,2-Dichloroethene

Concen: 0.559 ug/L

RT: 3.908 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV026733.D

Acq: 12 Jul 2022 18:14

Instrument :

MSVOA_V

ClientSampleId :

DBUA7

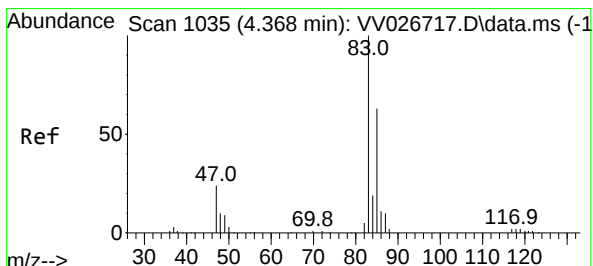
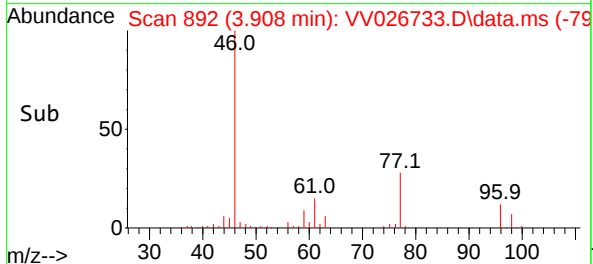
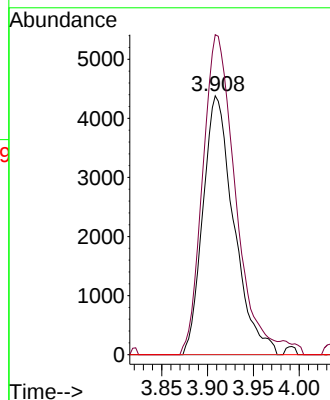
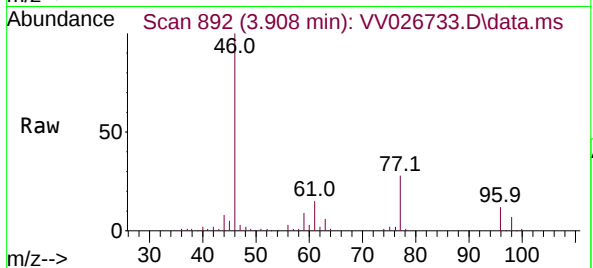
Tgt Ion: 96 Resp: 10274

Ion Ratio Lower Upper

96 100

61 123.6 83.9 155.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.102 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV026733.D

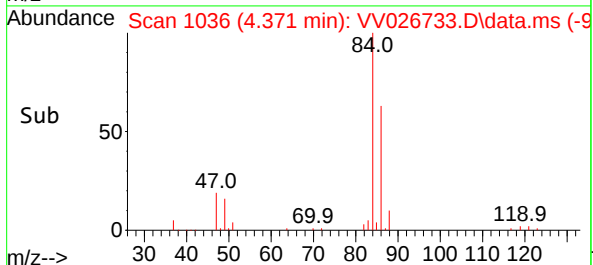
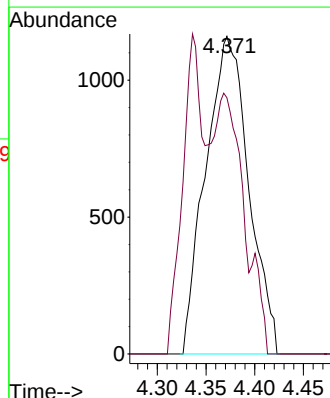
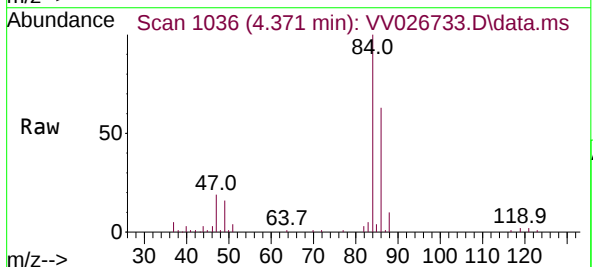
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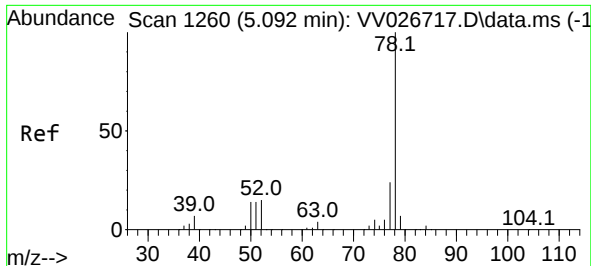
Tgt Ion: 83 Resp: 3563

Ion Ratio Lower Upper

83 100

85 80.7 45.7 84.9

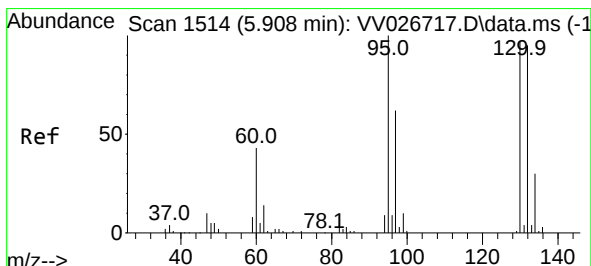
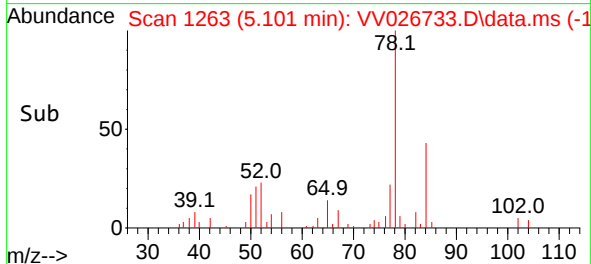
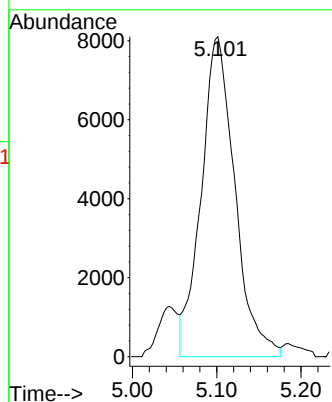
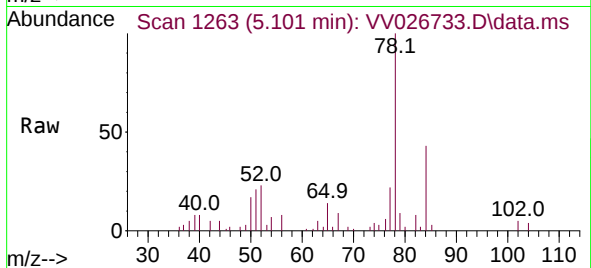




#33
Benzene
Concen: 0.296 ug/L
RT: 5.101 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

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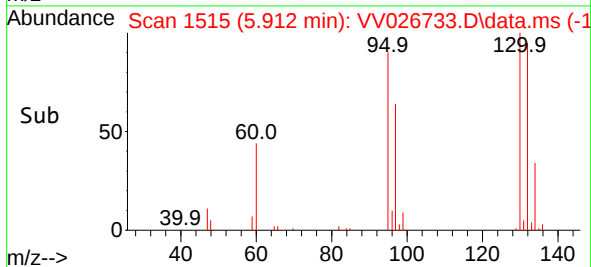
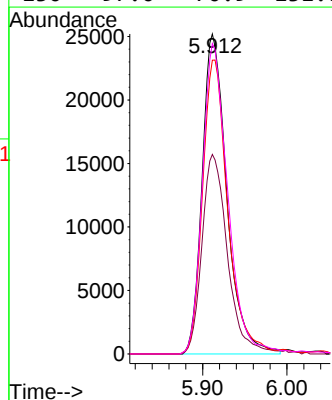
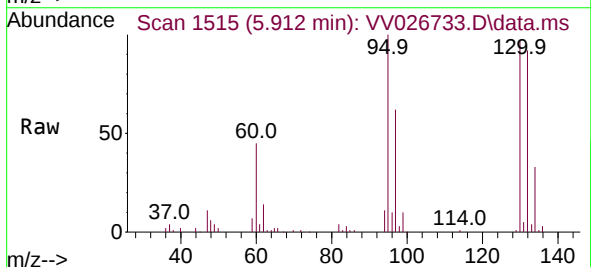
Tgt Ion: 78 Resp: 22507

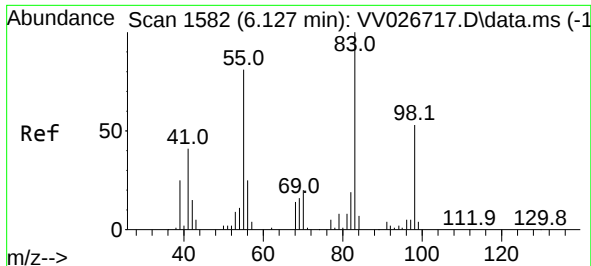


#34
Trichloroethene
Concen: 2.748 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

Tgt Ion: 95 Resp: 51325

Ion	Ratio	Lower	Upper
95	100		
97	62.3	44.6	82.8
132	91.8	70.2	130.4
130	97.0	70.9	131.7

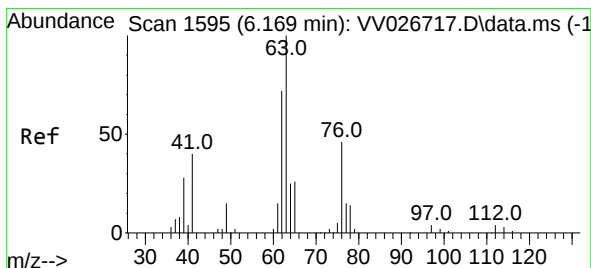
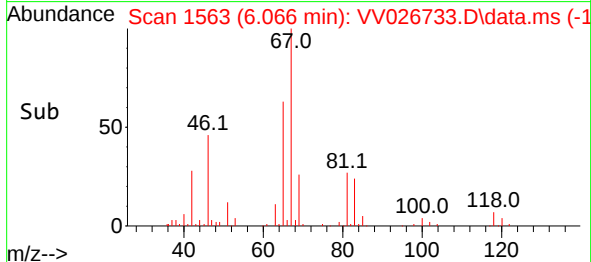
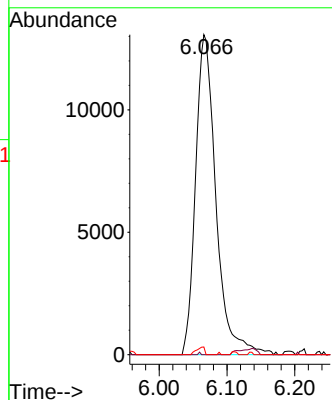
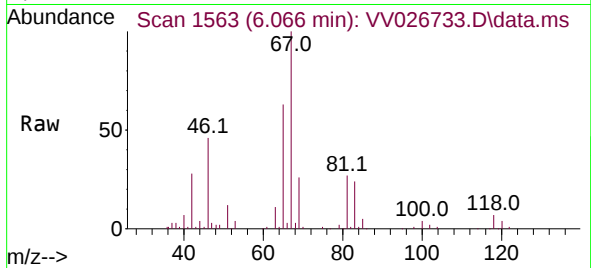




#35
Methylcyclohexane
Concen: 0.957 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.061 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

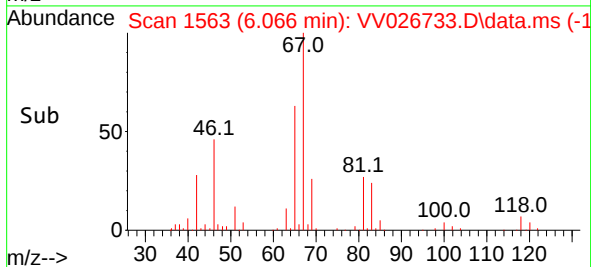
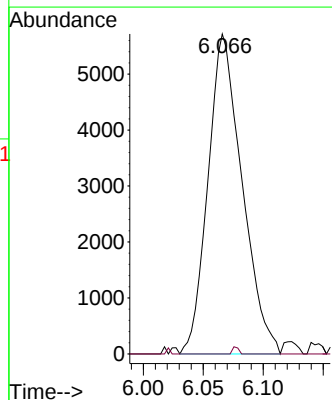
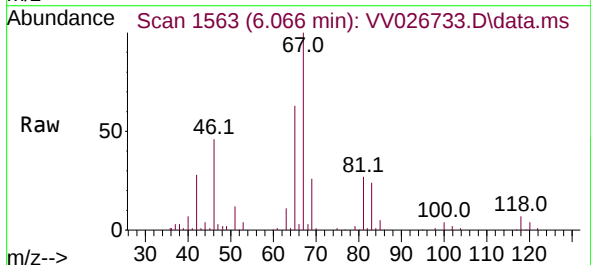
Instrument :
MSVOA_V
ClientSampleId :
DBUA7

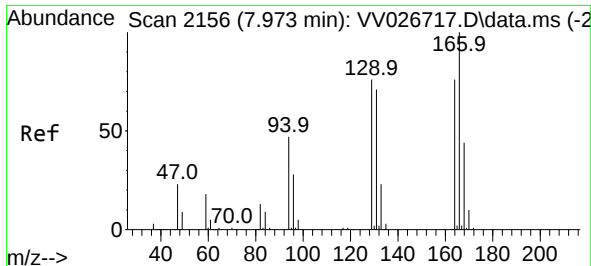
Tgt Ion: 83 Resp: 27283
Ion Ratio Lower Upper
83 100
55 0.1 59.5 89.3#
98 0.9 38.3 57.5#



#37
1,2-Dichloropropane
Concen: 0.622 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.103 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

Tgt Ion: 63 Resp: 11306
Ion Ratio Lower Upper
63 100
112 0.4 4.2 6.2#

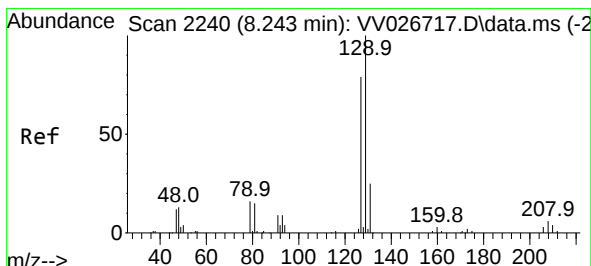
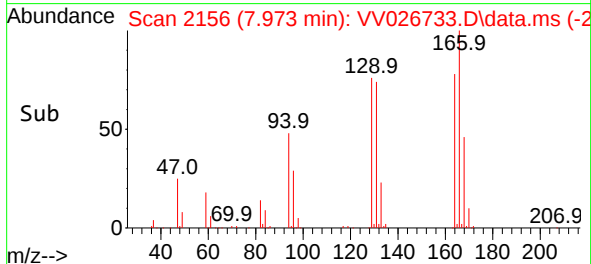
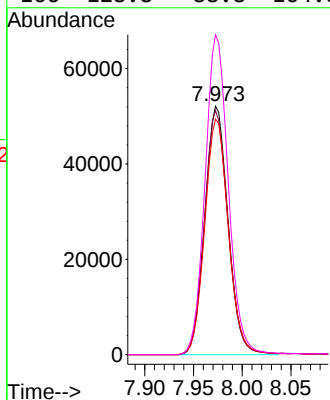
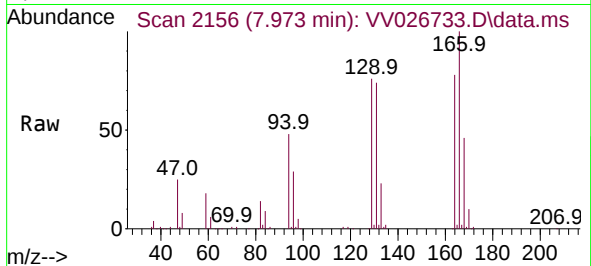




#47
Tetrachloroethene
Concen: 5.936 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

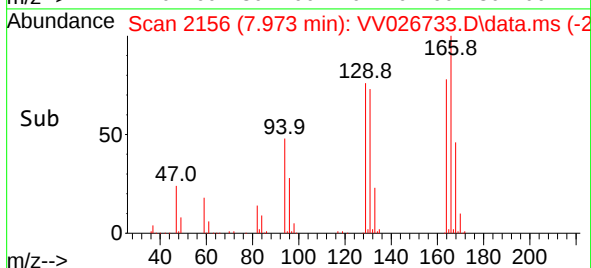
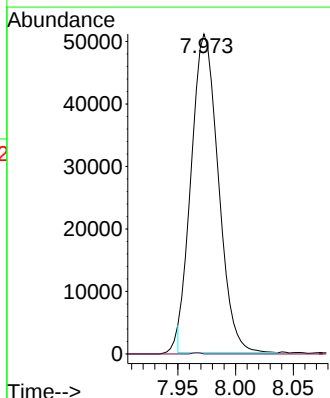
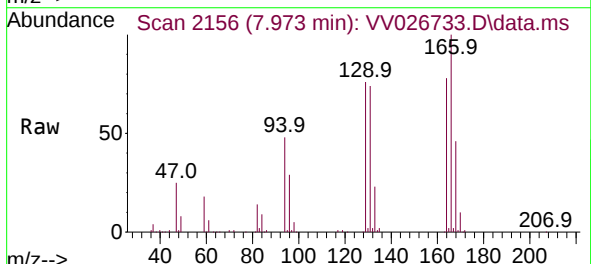
Instrument :
MSVOA_V
ClientSampleId :
DBUA7

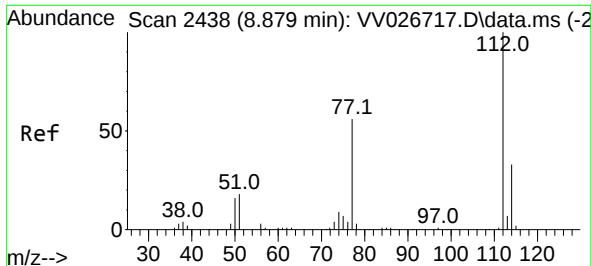
Tgt Ion:	164	Resp:	86967
Ion Ratio	Lower	Upper	
164	100		
129	98.3	67.8	125.8
131	94.9	65.9	122.5
166	128.8	88.8	164.8



#49
Dibromochloromethane
Concen: 5.425 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.270 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

Tgt Ion:	129	Resp:	83065
Ion Ratio	Lower	Upper	
129	100		
127	0.3	55.7	103.5#





#51

Chlorobenzene

Concen: 0.574 ug/L

RT: 8.882 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VV026733.D

Acq: 12 Jul 2022 18:14

Instrument :

MSVOA_V

ClientSampleId :

DBUA7

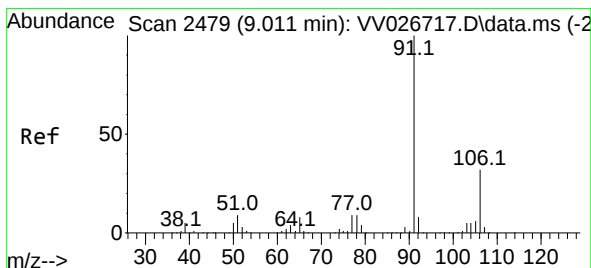
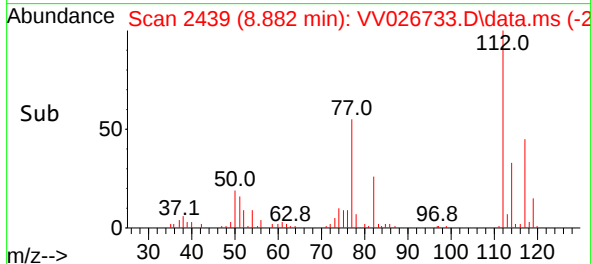
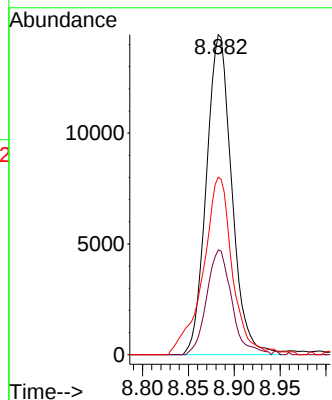
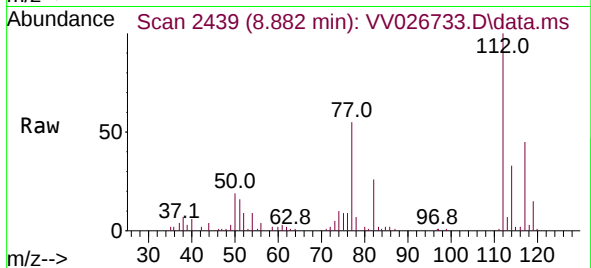
Tgt Ion:112 Resp: 27873

Ion Ratio Lower Upper

112 100

114 32.7 22.7 42.1

77 55.5 46.6 70.0



#52

Ethylbenzene

Concen: 0.071 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.010 min

Lab File: VV026733.D

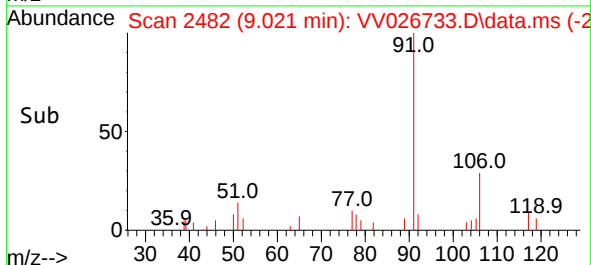
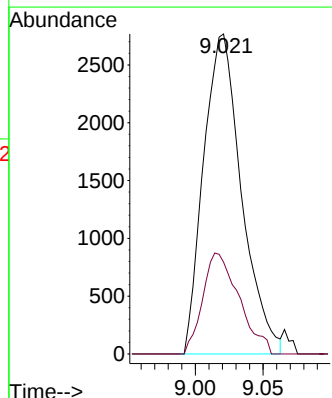
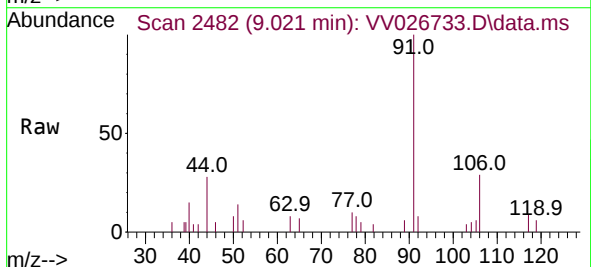
Acq: 12 Jul 2022 18:14

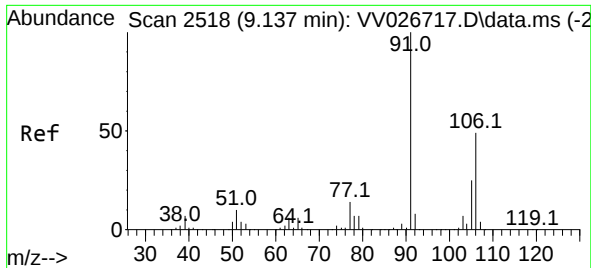
Tgt Ion: 91 Resp: 5384

Ion Ratio Lower Upper

91 100

106 28.7 21.6 40.2

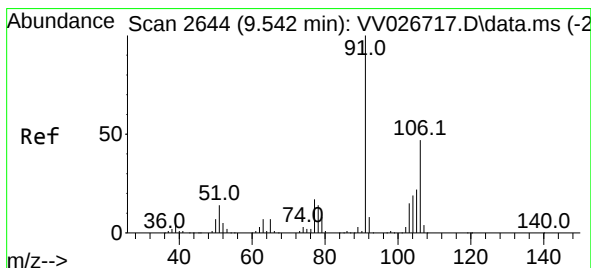
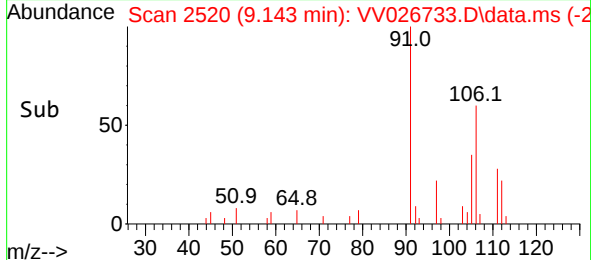
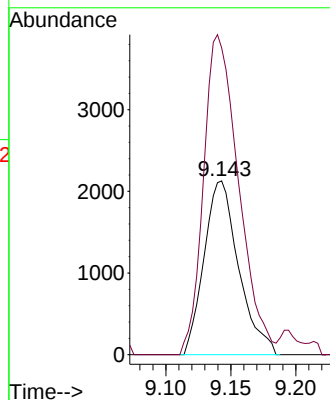
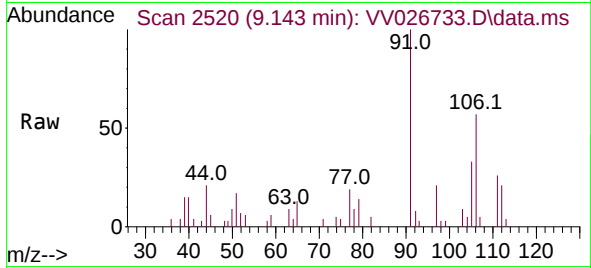




#53
m,p-Xylene
Concen: 0.133 ug/L
RT: 9.143 min Scan# 2518
Delta R.T. 0.006 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

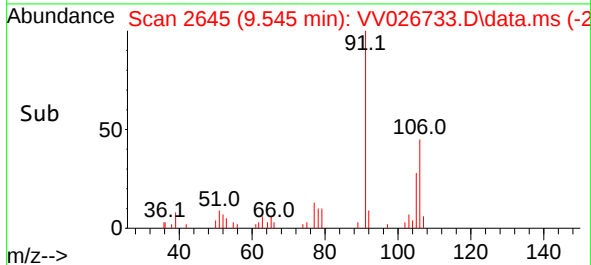
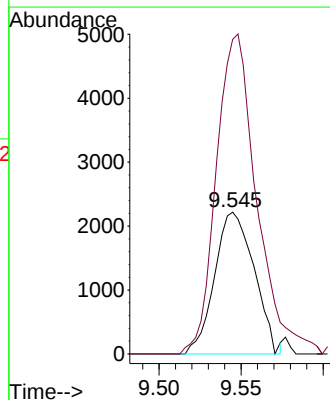
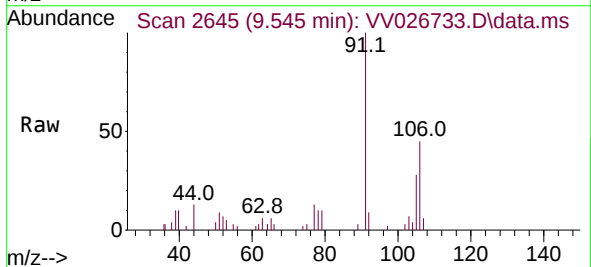
Instrument :
MSVOA_V
ClientSampleId :
DBUA7

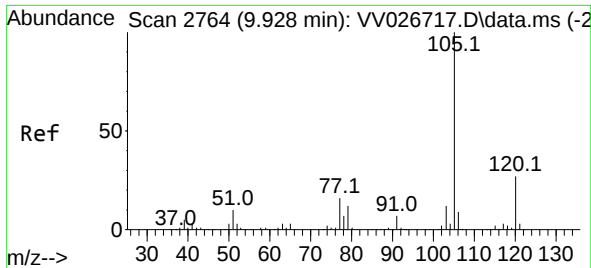
Tgt Ion:106 Resp: 3936
Ion Ratio Lower Upper
106 100
91 176.6 139.3 258.7



#54
o-Xylene
Concen: 0.132 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

Tgt Ion:106 Resp: 3713
Ion Ratio Lower Upper
106 100
91 221.9 151.1 280.7

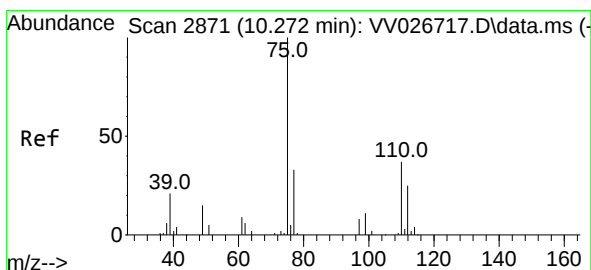
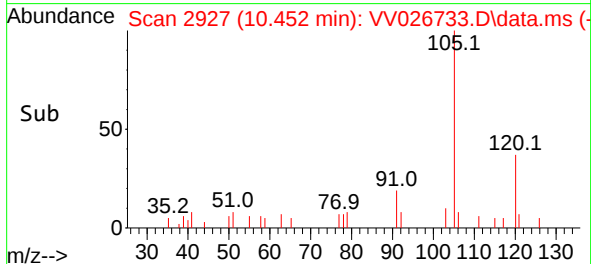
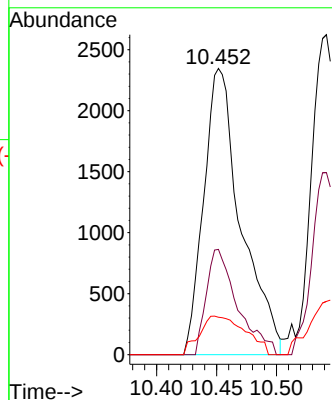
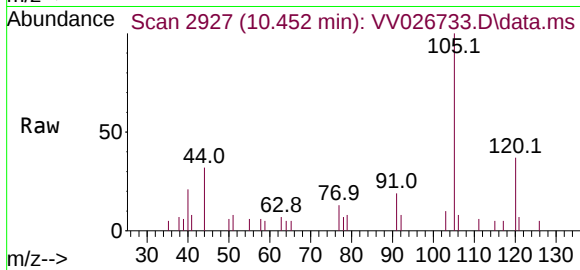




#60
Isopropylbenzene
Concen: 0.085 ug/L
RT: 10.452 min Scan# 21
Delta R.T. 0.524 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

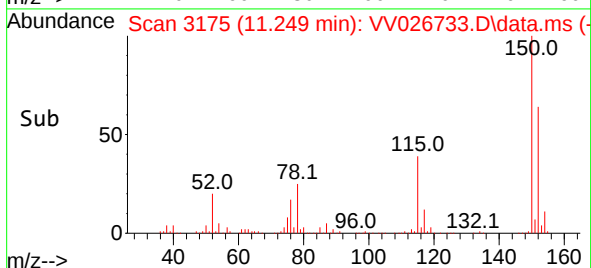
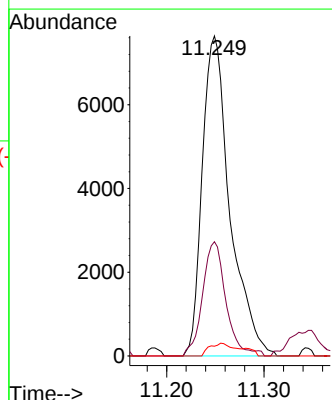
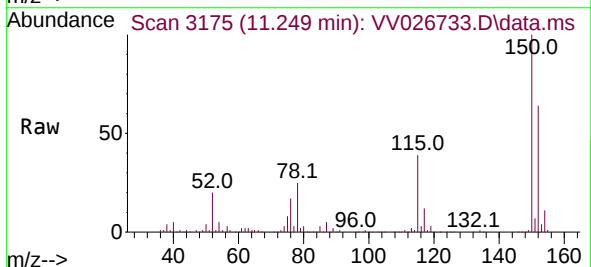
Instrument :
MSVOA_V
ClientSampleId :
DBUA7

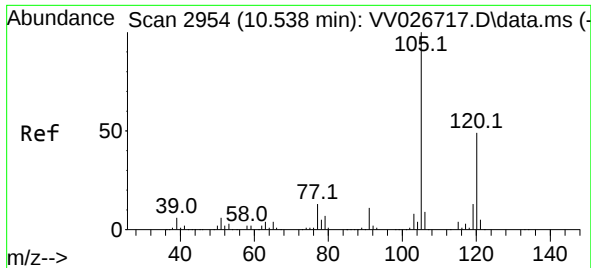
Tgt Ion:105 Resp: 5069
Ion Ratio Lower Upper
105 100
120 30.9 20.7 31.1
77 16.5 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 1.708 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

Tgt Ion: 75 Resp: 15069
Ion Ratio Lower Upper
75 100
77 30.1 25.4 38.0
110 3.6 31.8 47.6#

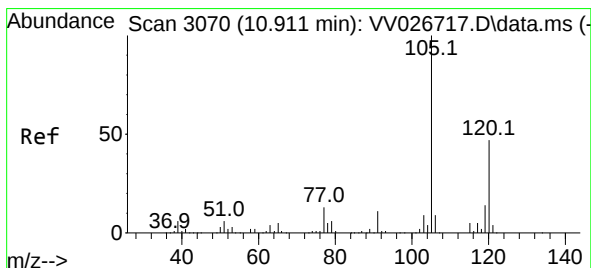
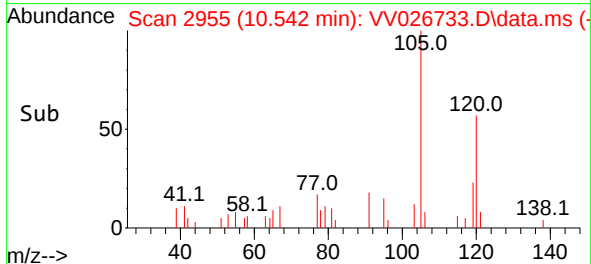
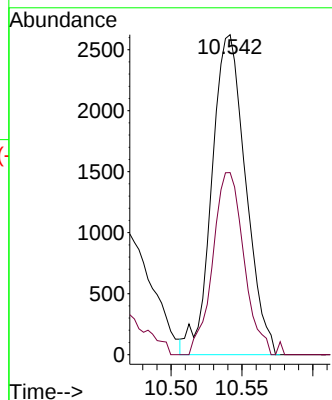
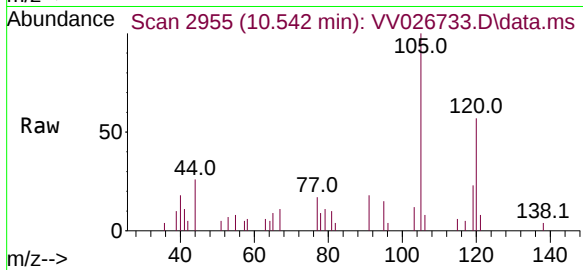




#62
1,3,5-Trimethylbenzene
Concen: 0.092 ug/L
RT: 10.542 min Scan# 2954
Delta R.T. 0.003 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

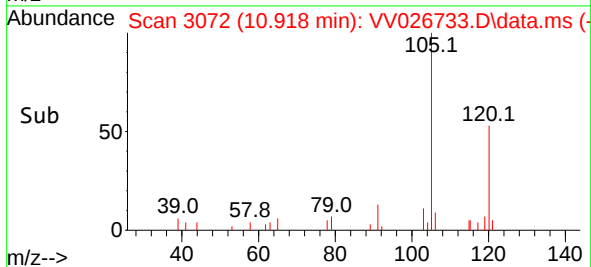
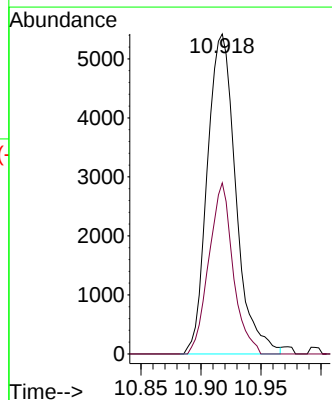
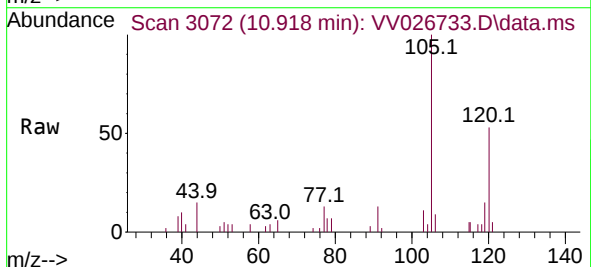
Instrument :
MSVOA_V
ClientSampleId :
DBUA7

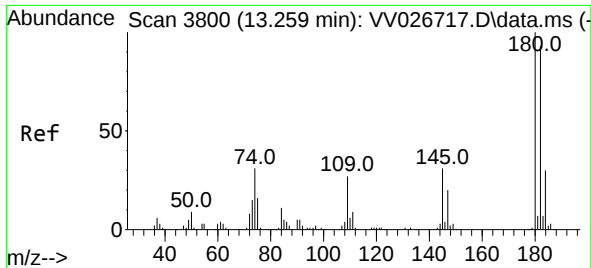
Tgt Ion:105 Resp: 4349
Ion Ratio Lower Upper
105 100
120 52.2 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 0.186 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.006 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

Tgt Ion:105 Resp: 8966
Ion Ratio Lower Upper
105 100
120 45.2 36.8 55.2

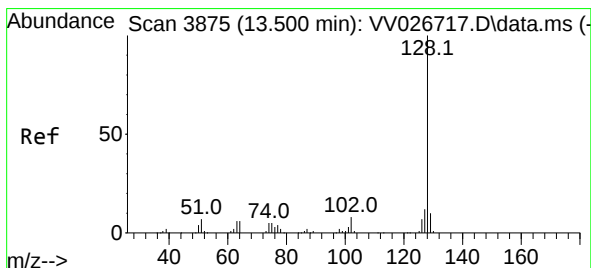
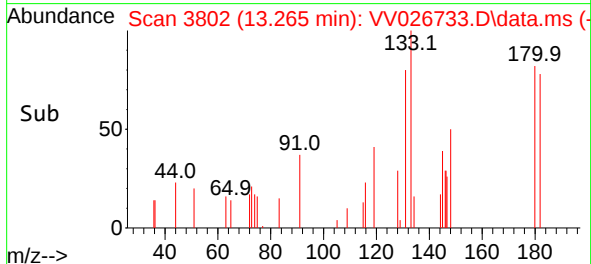
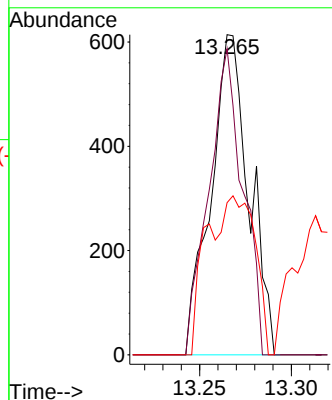
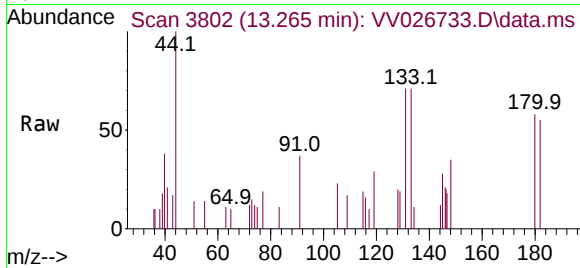




#70
1,2,4-trichlorobenzene
Concen: 0.057 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.006 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

Instrument :
MSVOA_V
ClientSampleId :
DBUA7

Tgt Ion:180 Resp: 890
Ion Ratio Lower Upper
180 100
182 85.5 74.7 112.1
145 43.6 24.7 37.1#



#71
Naphthalene
Concen: 0.593 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.003 min
Lab File: VV026733.D
Acq: 12 Jul 2022 18:14

Tgt Ion:128 Resp: 15438
Ion Ratio Lower Upper
128 100
129 11.6 8.4 12.6
127 14.2 10.7 16.1

