

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101822\
 Data File : VW028610.D
 Acq On : 18 Oct 2022 13:08
 Operator : SY/MD
 Sample : N5163-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 00:38:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 19 00:35:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	170357	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	156793	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	73982	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	63484	4.330	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.600%
7) Chloroethane-d5	1.564	69	61939	5.139	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.800%
11) 1,1-Dichloroethene-d2	2.105	63	93689	3.528	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.600%
20) 2-Butanone-d5	3.892	46	95885	30.422	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	60.840%
24) Chloroform-d	4.346	84	116458	5.187	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
26) 1,2-Dichloroethane-d4	5.031	65	59018	5.044	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
32) Benzene-d6	5.047	84	226623	4.476	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
36) 1,2-Dichloropropane-d6	6.066	67	79440	4.862	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.313	98	192661	4.803	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	7.622	79	22519	4.080	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.600%
46) 2-Hexanone-d5	8.088	63	117190	49.194	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.380%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	50713	5.212	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	11.616	152	64476	5.281	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.237	50	5576	0.346	ug/L	99
5) Vinyl chloride	1.304	62	694	0.044	ug/L #	1
6) Bromomethane	1.523	94	371	0.053	ug/L	100
8) Chloroethane	1.581	64	1029	0.101	ug/L	96
12) 1,1-Dichloroethene	2.108	96	848	0.080	ug/L #	1
18) trans-1,2-Dichloroethene	2.754	96	658	0.060	ug/L #	67
22) cis-1,2-Dichloroethene	3.905	96	149332	11.957	ug/L #	91
25) Chloroform	4.378	83	4485	0.190	ug/L	87
34) Trichloroethene	5.912	95	75823	5.730	ug/L	98
35) Methylcyclohexane	6.066	83	19231	0.873	ug/L #	17
42) Toluene	7.394	91	16889	0.325	ug/L	96
44) trans-1,3-Dichloropropene	7.622	75	1204	0.084	ug/L	88
45) 1,1,2-Trichloroethane	7.982	97	204584	26.102	ug/L #	1
47) Tetrachloroethene	7.979	164	16774154	1947.610	ug/L	89
49) Dibromochloromethane	7.979	129	17043865	2038.774	ug/L #	11
52) Ethylbenzene	9.014	91	3240	0.056	ug/L	98
53) m,p-Xylene	9.140	106	3666	0.170	ug/L	98
54) o-Xylene	9.542	106	1521	0.073	ug/L	97
61) 1,2,3-Trichloropropane	11.239	75	11210	1.696	ug/L #	65

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 19 00:35:12 2022
Response via : Initial Calibration

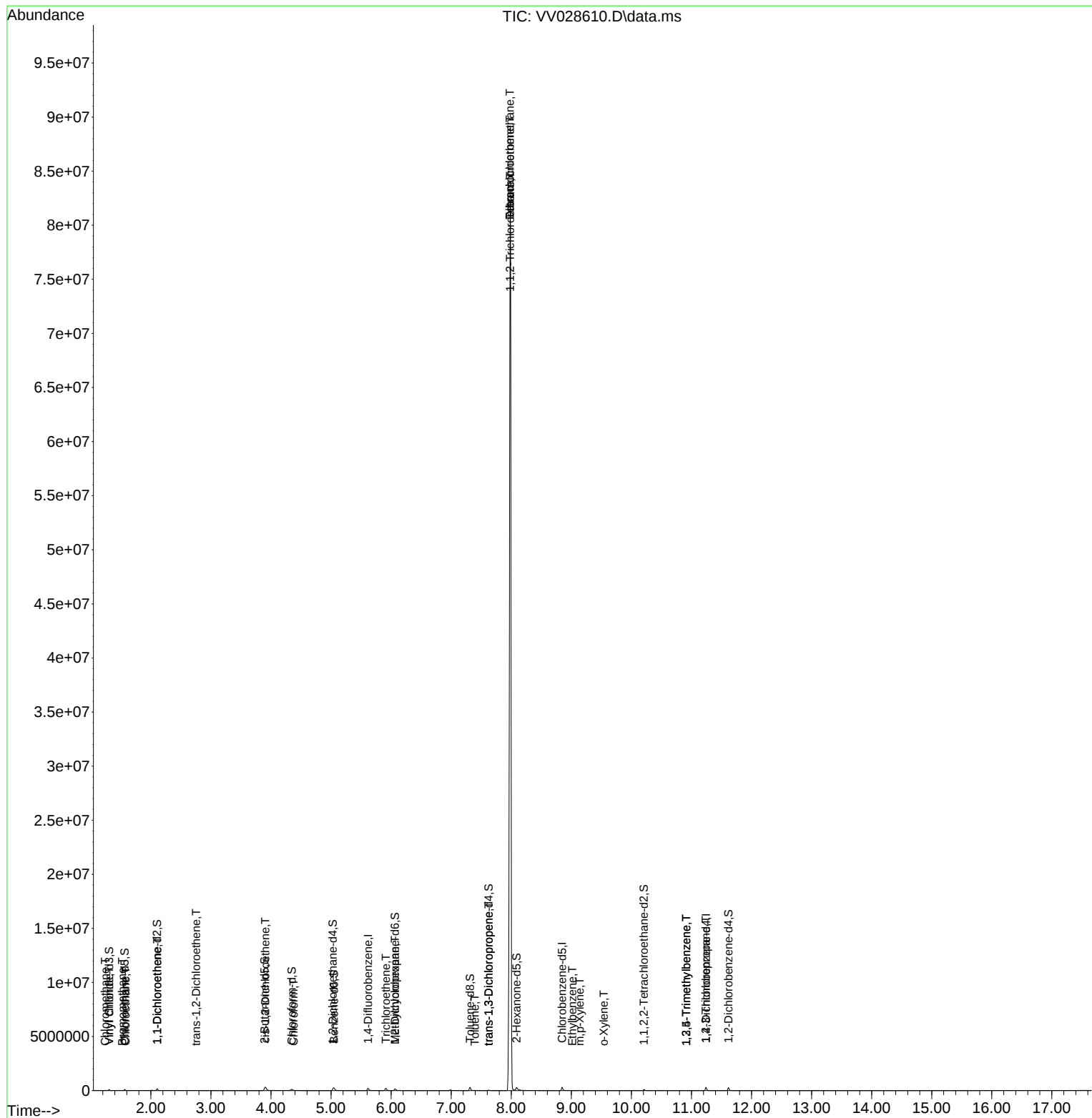
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.915	105	2640	0.162	ug/L	95
63) 1,2,4-Trimethylbenzene	10.915	105	2640	0.059	ug/L	90

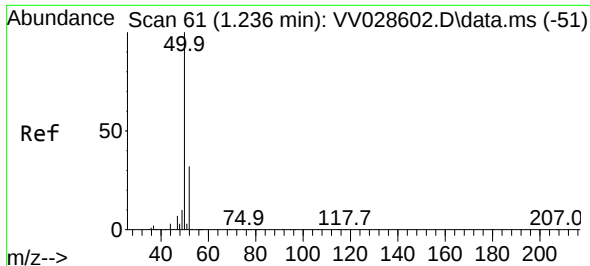
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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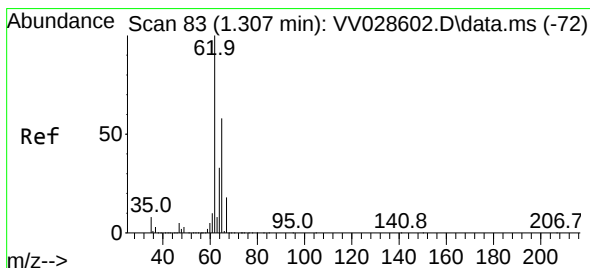
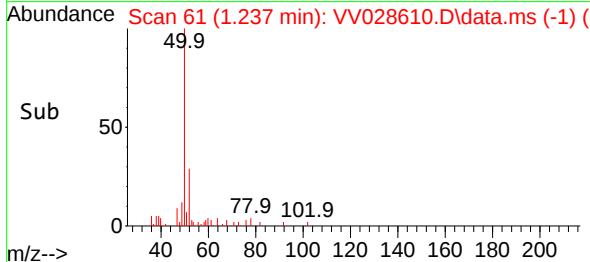
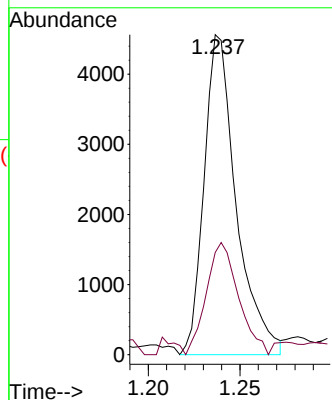
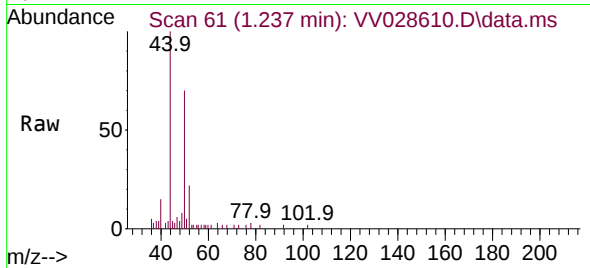




#3
Chloromethane
Concen: 0.346 ug/L
RT: 1.237 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV028610.D
Acq: 18 Oct 2022 13:08

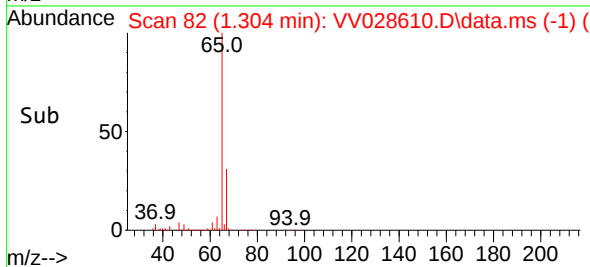
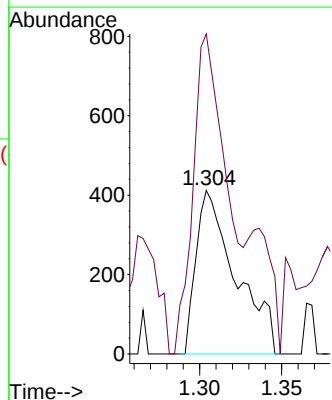
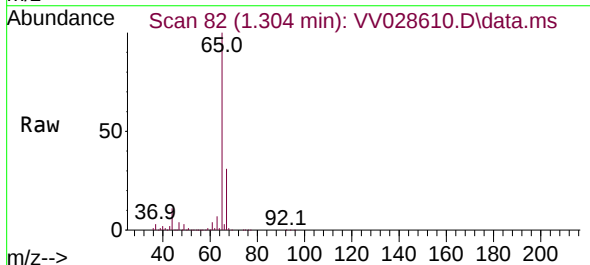
Instrument :
MSVOA_V
ClientSampleId :

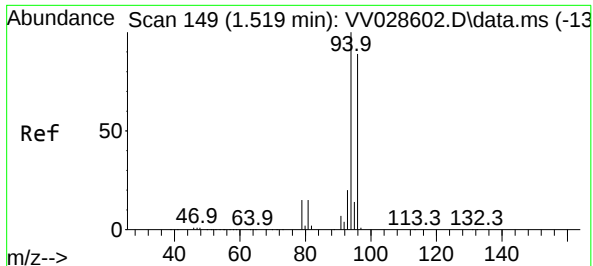
Tgt Ion: 50 Resp: 5576
Ion Ratio Lower Upper
50 100
52 32.0 22.0 41.0



#5
Vinyl chloride
Concen: 0.044 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.003 min
Lab File: VV028610.D
Acq: 18 Oct 2022 13:08

Tgt Ion: 62 Resp: 694
Ion Ratio Lower Upper
62 100
64 195.6 23.7 44.1#

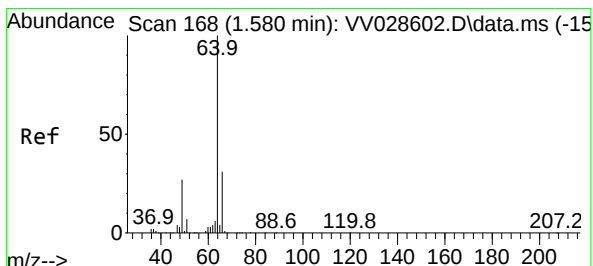
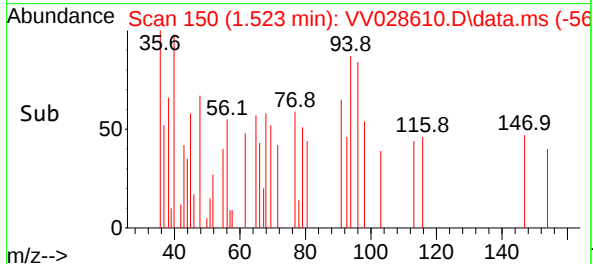
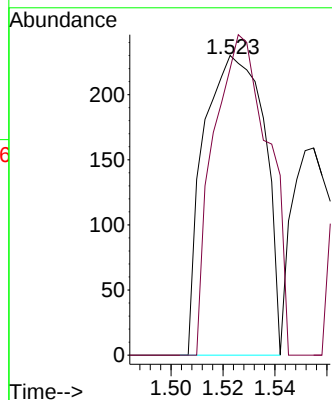
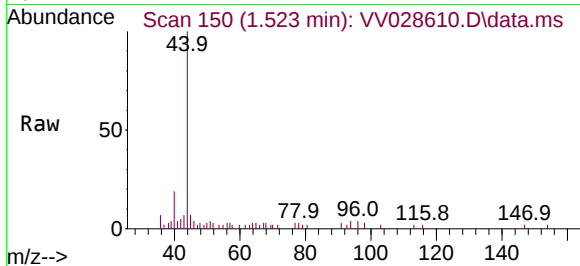




#6
Bromomethane
Concen: 0.053 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV028610.D
Acq: 18 Oct 2022 13:08

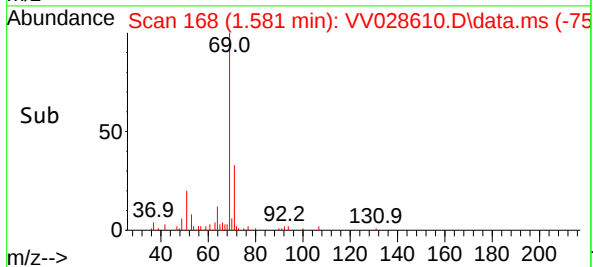
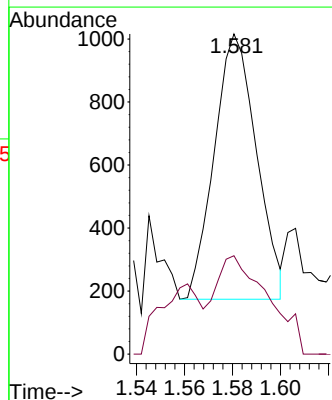
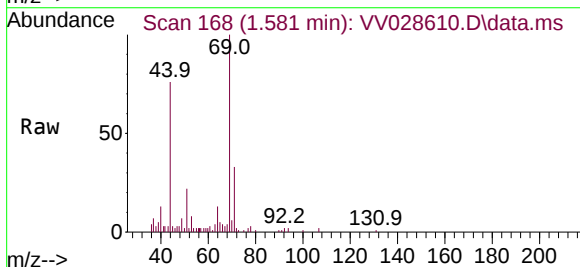
Instrument :
MSVOA_V
ClientSampleId :

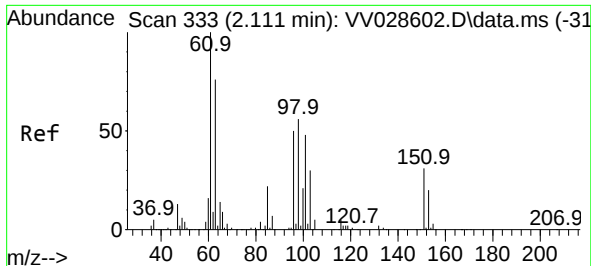
Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 95.7 67.0 124.4



#8
Chloroethane
Concen: 0.101 ug/L
RT: 1.581 min Scan# 168
Delta R.T. 0.000 min
Lab File: VV028610.D
Acq: 18 Oct 2022 13:08

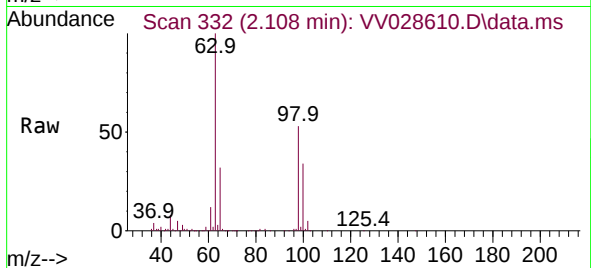
Tgt Ion: 64 Resp: 1029
Ion Ratio Lower Upper
64 100
66 30.7 23.0 42.8



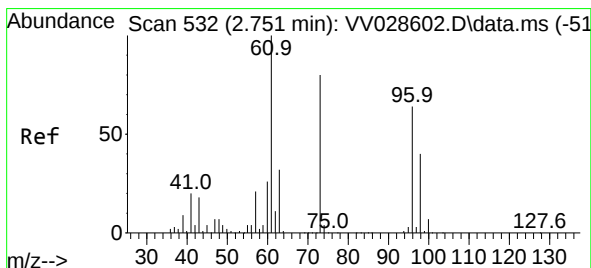
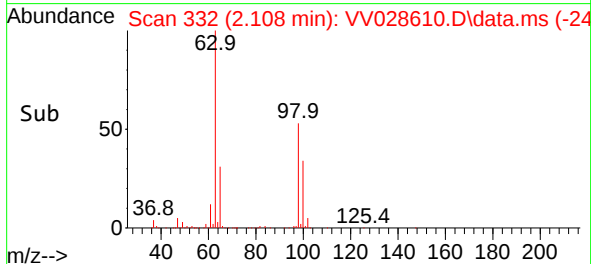
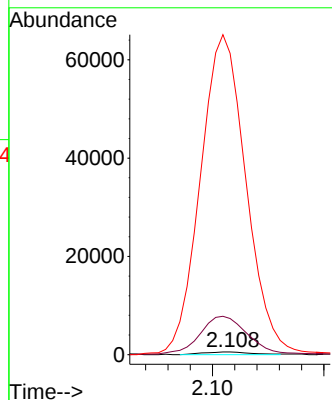


#12
1,1-Dichloroethene
Concen: 0.080 ug/L
RT: 2.108 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV028610.D
Acq: 18 Oct 2022 13:08

Instrument :
MSVOA_V
ClientSampleId :

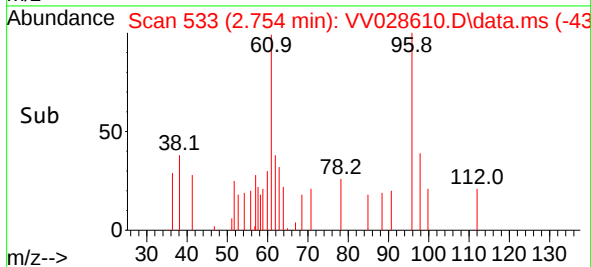
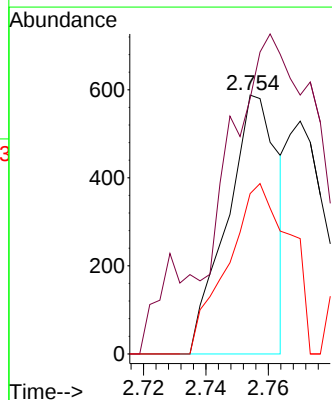
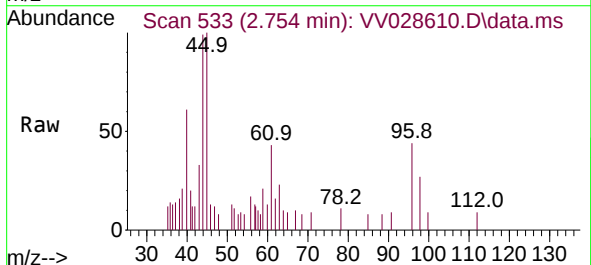


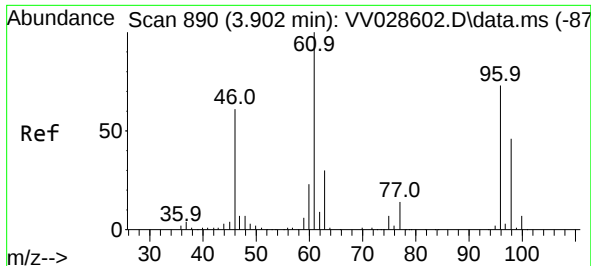
Tgt Ion: 96 Resp: 848
Ion Ratio Lower Upper
96 100
61 1289.0 142.9 265.5#
63 10739.1 102.3 190.1#



#18
trans-1,2-Dichloroethene
Concen: 0.060 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.003 min
Lab File: VV028610.D
Acq: 18 Oct 2022 13:08

Tgt Ion: 96 Resp: 658
Ion Ratio Lower Upper
96 100
61 98.6 111.2 206.6#
98 61.9 42.9 79.7





#22

cis-1,2-Dichloroethene

Concen: 11.957 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV028610.D

Acq: 18 Oct 2022 13:08

Instrument :

MSVOA_V

ClientSampleId :

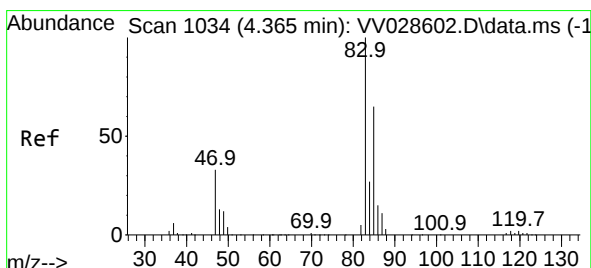
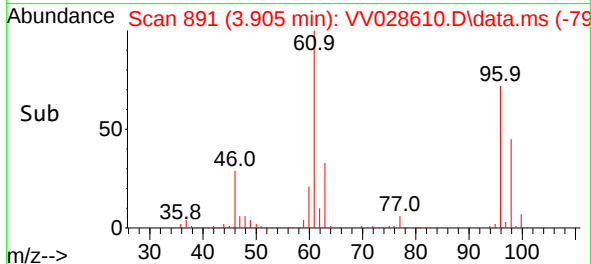
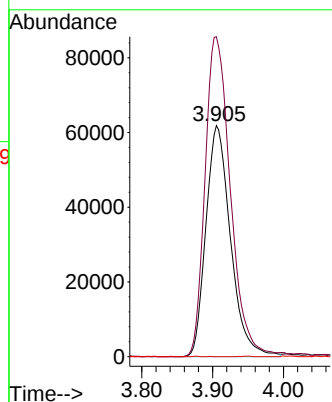
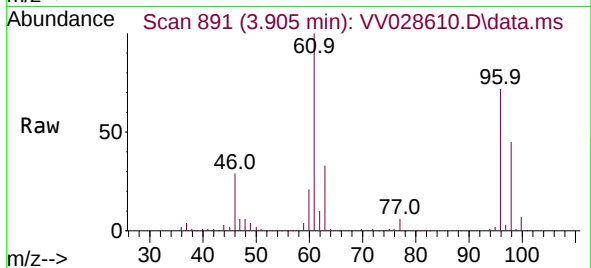
Tgt Ion: 96 Resp: 149332

Ion Ratio Lower Upper

96 100

61 138.5 105.1 195.3

68 0.0 0.5 0.9#



#25

Chloroform

Concen: 0.190 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.013 min

Lab File: VV028610.D

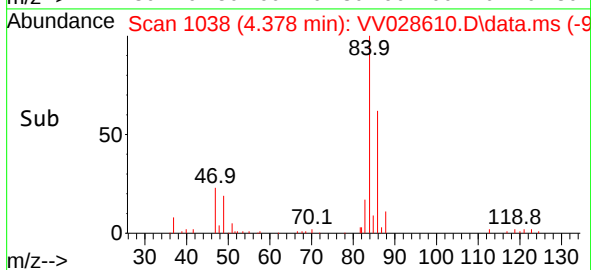
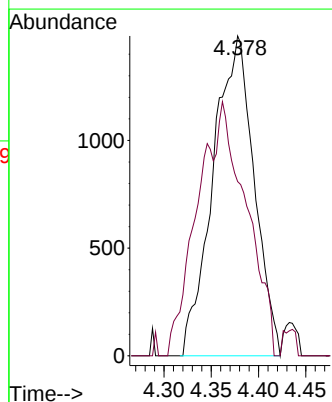
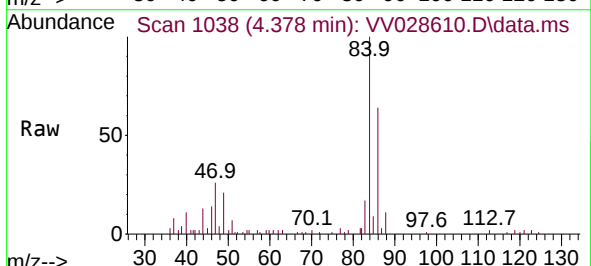
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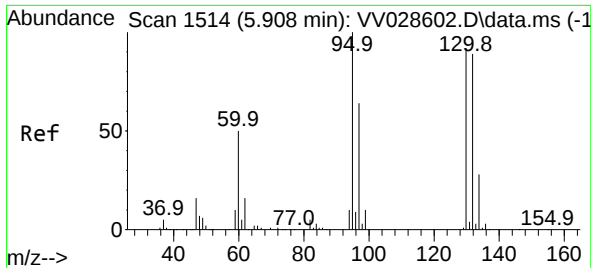
Tgt Ion: 83 Resp: 4485

Ion Ratio Lower Upper

83 100

85 54.5 45.1 83.9

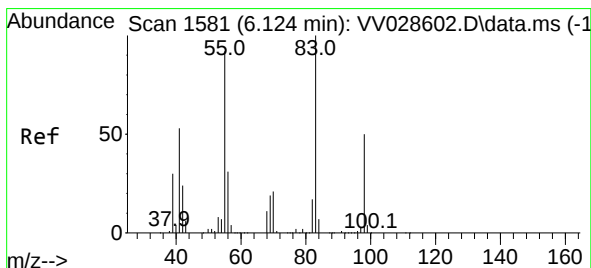
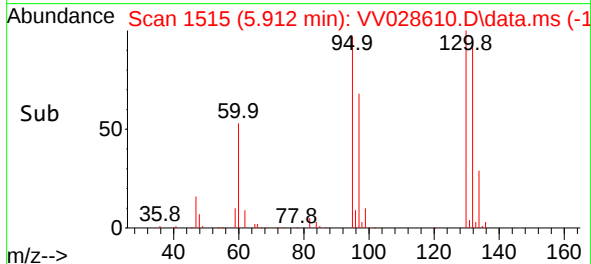
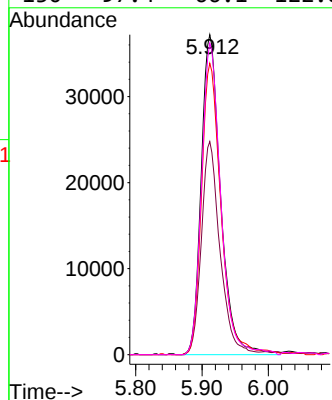
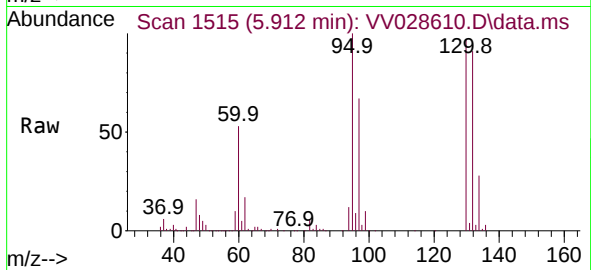




#34
 Trichloroethene
 Concen: 5.730 ug/L
 RT: 5.912 min Scan# 1515
 Delta R.T. 0.003 min
 Lab File: VV028610.D
 Acq: 18 Oct 2022 13:08

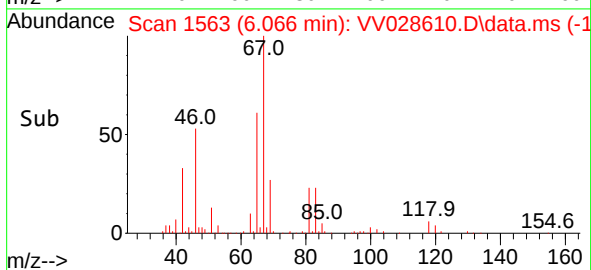
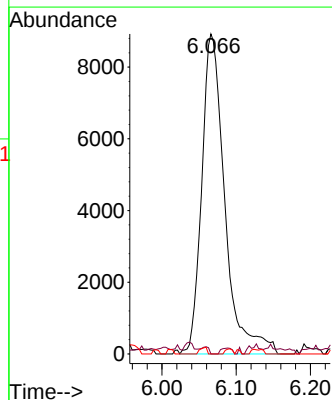
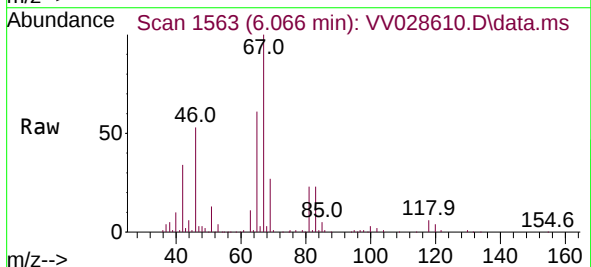
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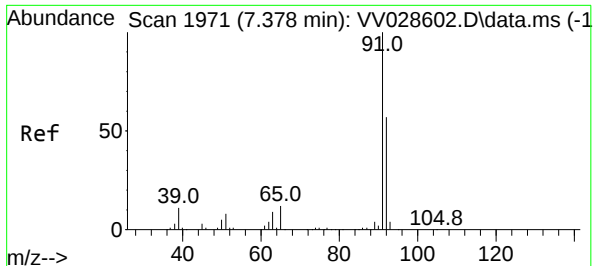
Tgt Ion: 95 Resp: 75823
 Ion Ratio Lower Upper
 95 100
 97 66.6 46.2 85.8
 132 91.0 65.1 120.9
 130 97.4 66.1 122.8



#35
 Methylcyclohexane
 Concen: 0.873 ug/L
 RT: 6.066 min Scan# 1563
 Delta R.T. -0.058 min
 Lab File: VV028610.D
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Tgt Ion: 83 Resp: 19231
 Ion Ratio Lower Upper
 83 100
 55 0.9 65.0 97.6#
 98 0.0 36.4 54.6#





#42

Toluene

Concen: 0.325 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.016 min

Lab File: VV028610.D

Acq: 18 Oct 2022 13:08

Instrument :

MSVOA_V

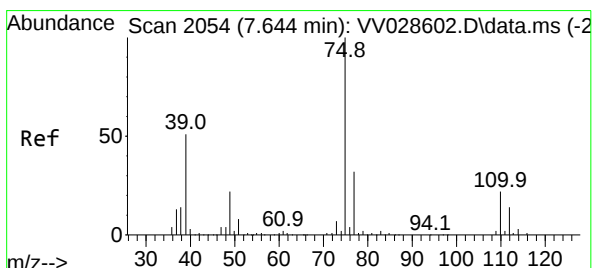
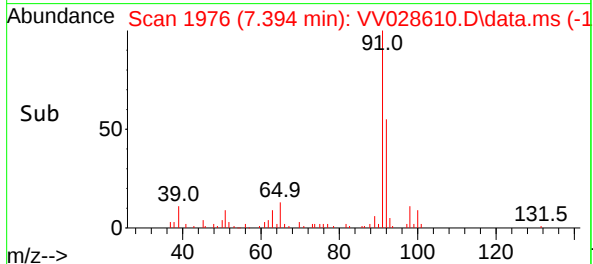
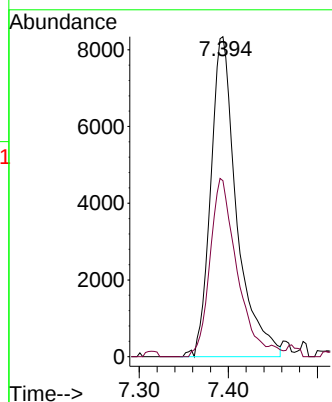
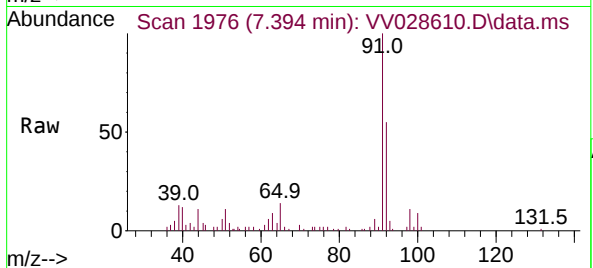
ClientSampleId :

Tgt Ion: 91 Resp: 16889

Ion Ratio Lower Upper

91 100

92 55.0 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.622 min Scan# 2047

Delta R.T. -0.022 min

Lab File: VV028610.D

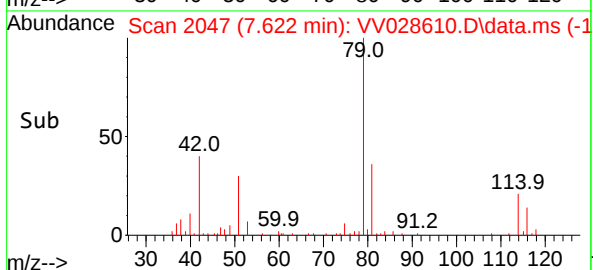
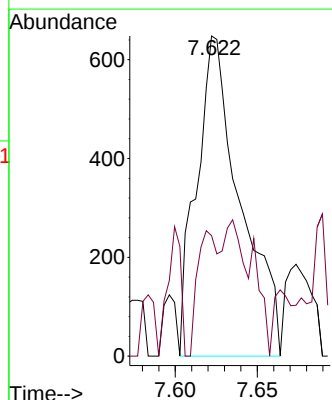
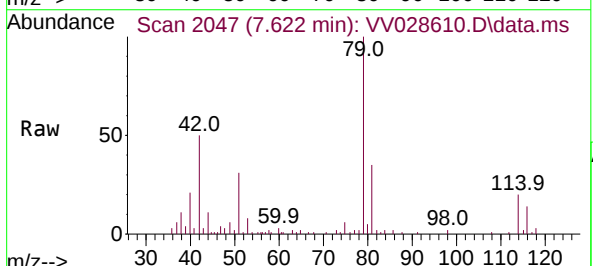
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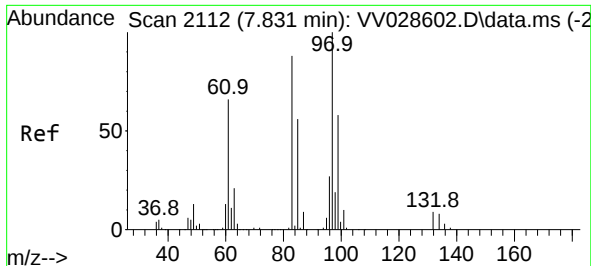
Tgt Ion: 75 Resp: 1204

Ion Ratio Lower Upper

75 100

77 37.7 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 26.102 ug/L

RT: 7.982 min Scan# 2119

Delta R.T. 0.151 min

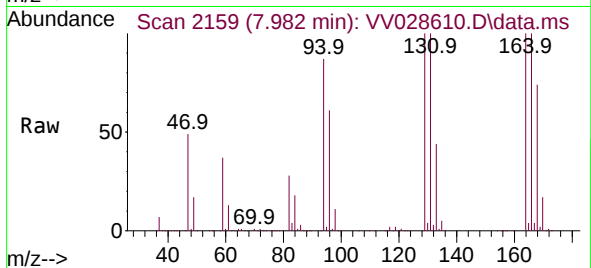
Lab File: VV028610.D

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ClientSampleId :



Tgt Ion: 97 Resp: 204584

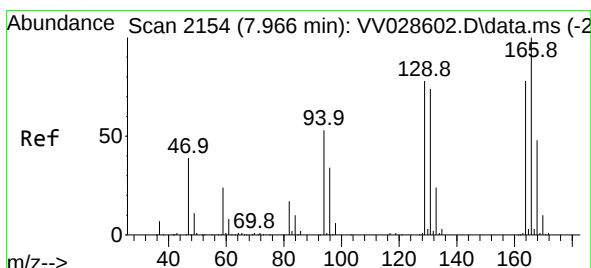
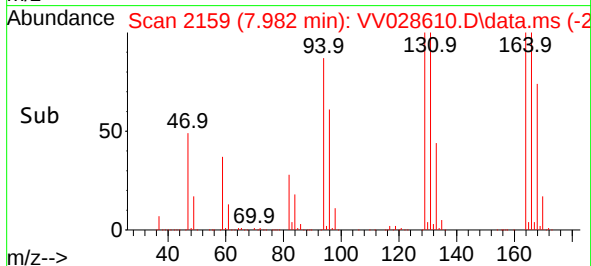
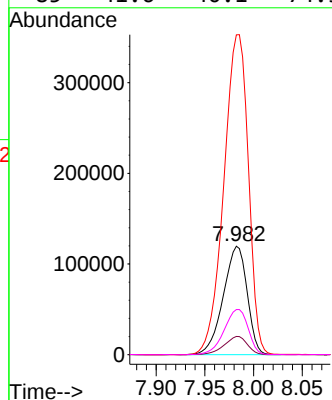
Ion Ratio Lower Upper

97 100

99 16.8 44.4 82.4#

83 294.7 63.1 117.1#

85 41.6 40.1 74.5



#47

Tetrachloroethene

Concen: 1947.610 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.013 min

Lab File: VV028610.D

Acq: 18 Oct 2022 13:08

Tgt Ion:164 Resp:16774154

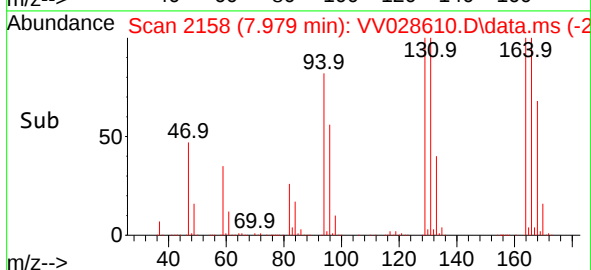
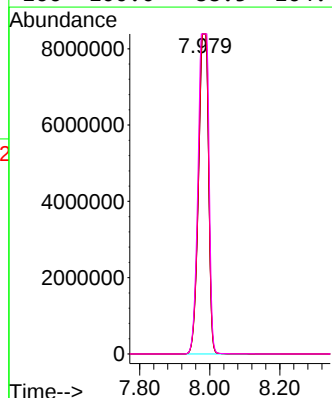
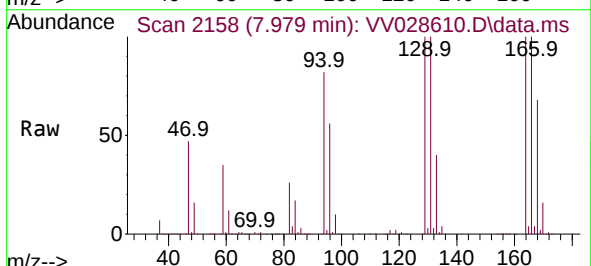
Ion Ratio Lower Upper

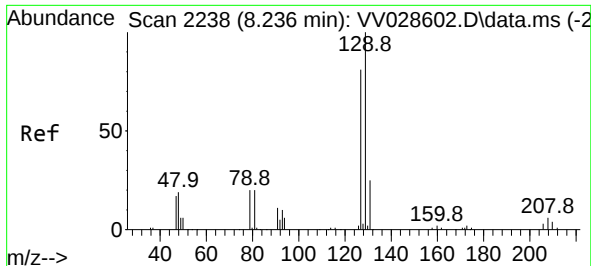
164 100

129 100.0 69.3 128.7

131 100.0 67.3 125.1

166 100.0 88.5 164.4





#49

Dibromochloromethane

Concen: 2038.774 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.257 min

Lab File: VV028610.D

Acq: 18 Oct 2022 13:08

Instrument :

MSVOA_V

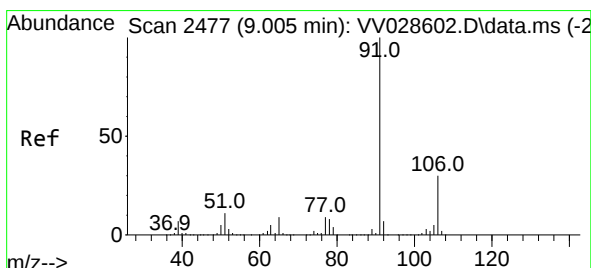
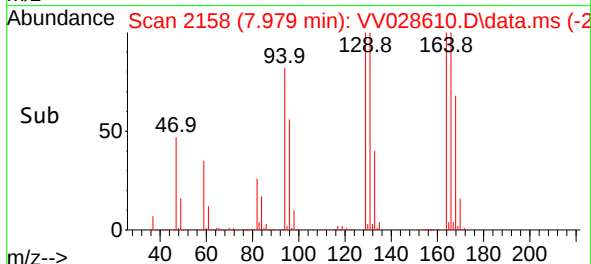
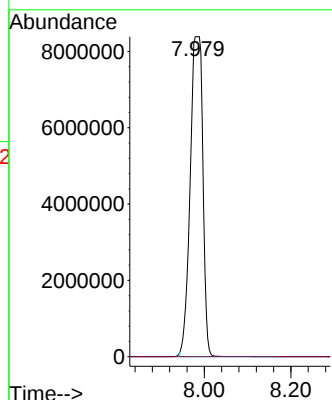
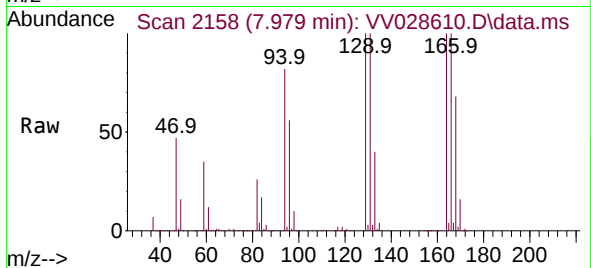
ClientSampleId :

Tgt Ion:129 Resp:17043865

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#52

Ethylbenzene

Concen: 0.056 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. 0.010 min

Lab File: VV028610.D

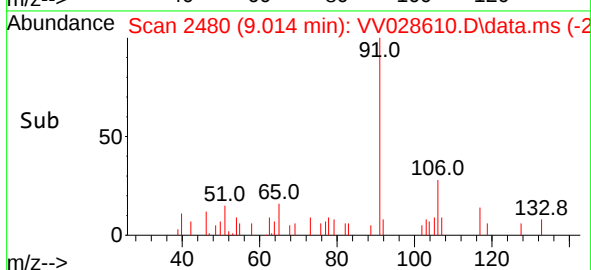
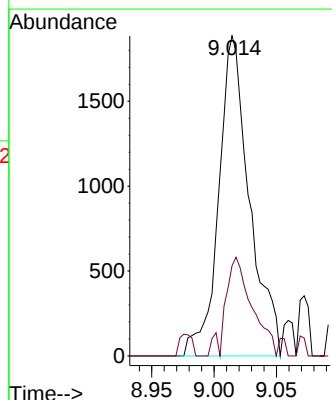
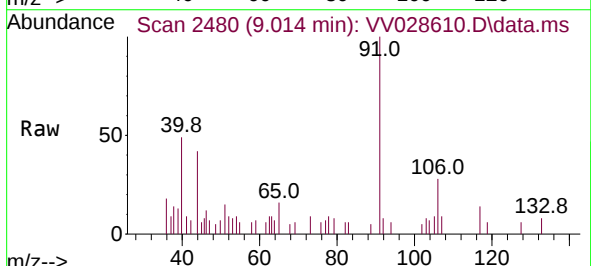
Acq: 18 Oct 2022 13:08

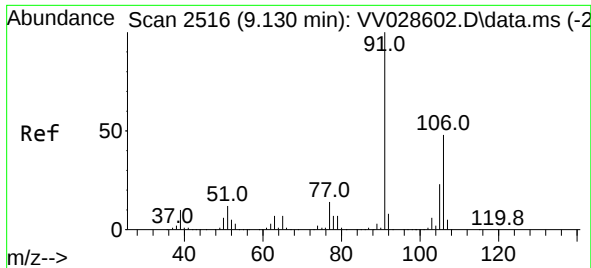
Tgt Ion: 91 Resp: 3240

Ion Ratio Lower Upper

91 100

106 28.2 20.3 37.7

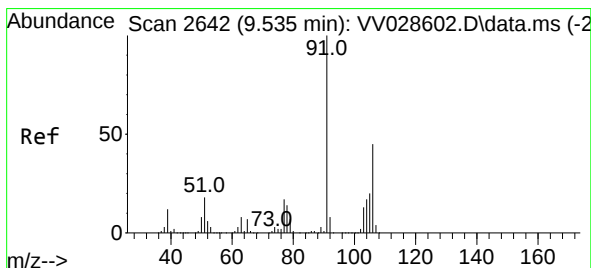
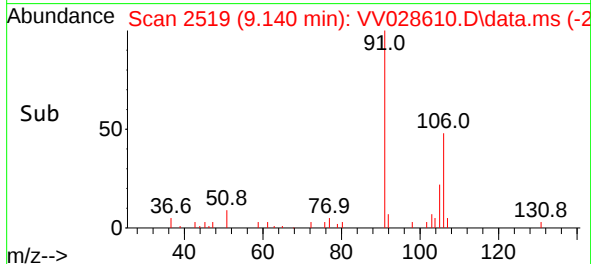
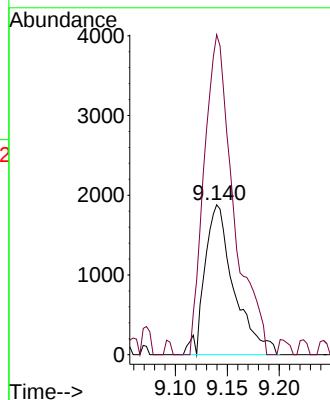
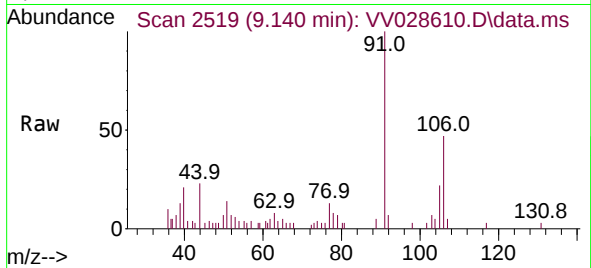




#53
m,p-Xylene
Concen: 0.170 ug/L
RT: 9.140 min Scan# 2516
Delta R.T. 0.010 min
Lab File: VV028610.D
Acq: 18 Oct 2022 13:08

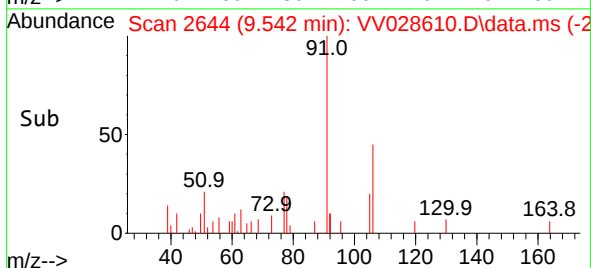
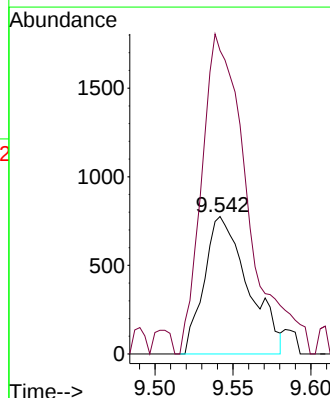
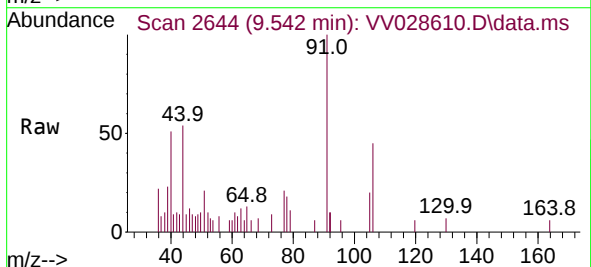
Instrument :
MSVOA_V
ClientSampleId :

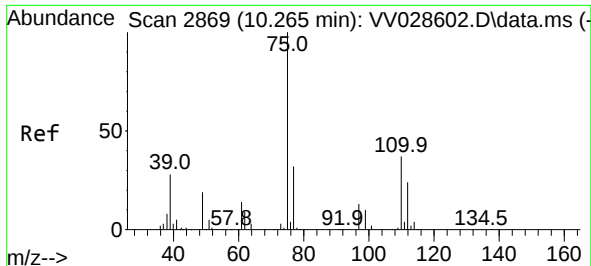
Tgt Ion:106 Resp: 3666
Ion Ratio Lower Upper
106 100
91 213.5 146.9 272.9



#54
o-Xylene
Concen: 0.073 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.007 min
Lab File: VV028610.D
Acq: 18 Oct 2022 13:08

Tgt Ion:106 Resp: 1521
Ion Ratio Lower Upper
106 100
91 220.6 151.4 281.2

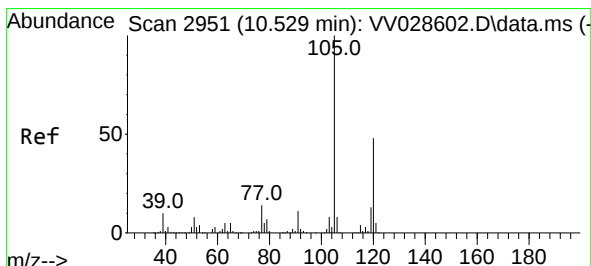
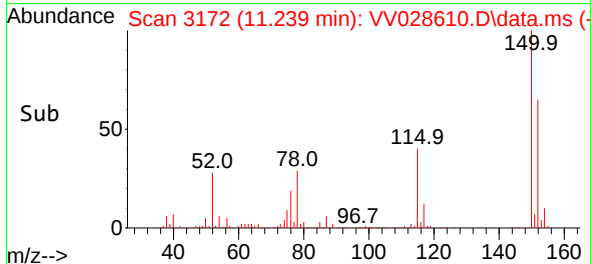
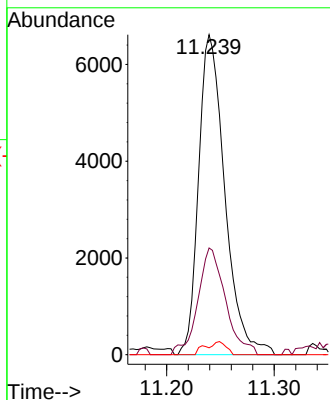
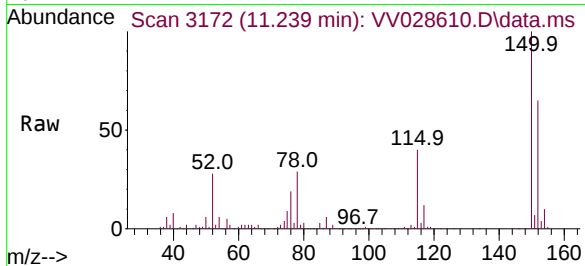




#61
 1,2,3-Trichloropropane
 Concen: 1.696 ug/L
 RT: 11.239 min Scan# 3071
 Delta R.T. 0.974 min
 Lab File: VV028610.D
 Acq: 18 Oct 2022 13:08

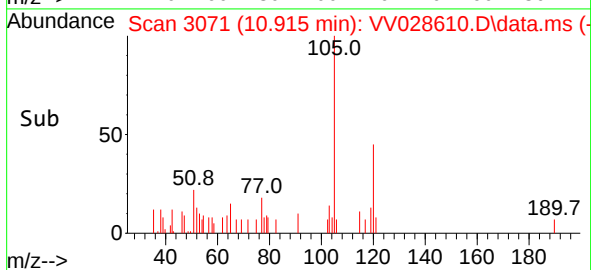
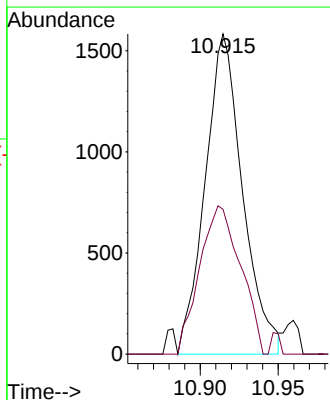
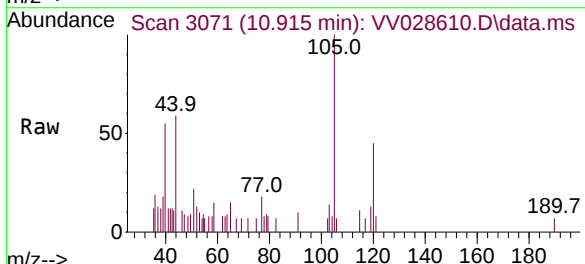
Instrument :
 MSVOA_V
 ClientSampleId :

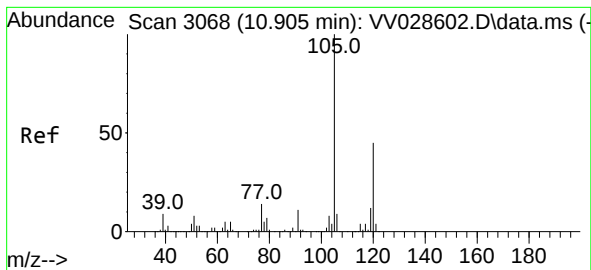
Tgt Ion: 75 Resp: 11210
 Ion Ratio Lower Upper
 75 100
 77 35.0 24.6 37.0
 110 1.1 28.3 42.5#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.162 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.386 min
 Lab File: VV028610.D
 Acq: 18 Oct 2022 13:08

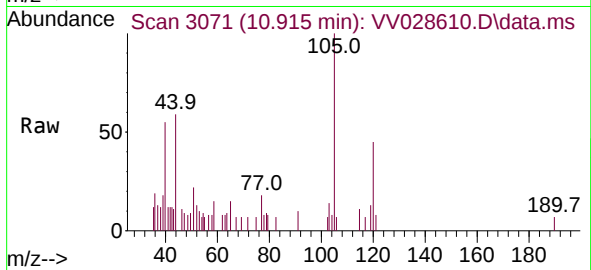
Tgt Ion: 105 Resp: 2640
 Ion Ratio Lower Upper
 105 100
 120 50.7 38.0 57.0





#63
 1,2,4-Trimethylbenzene
 Concen: 0.059 ug/L
 RT: 10.915 min Scan# 3068
 Delta R.T. 0.010 min
 Lab File: VV028610.D
 Acq: 18 Oct 2022 13:08

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:105 Resp: 2640
 Ion Ratio Lower Upper
 105 100
 120 50.7 35.6 53.4

