

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022122\
 Data File : VW024784.D
 Acq On : 21 Feb 2022 18:39
 Operator : SY/MD
 Sample : N1623-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 22 03:31:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR021722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 22 03:27:30 2022
 Response via : Initial Calibration

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

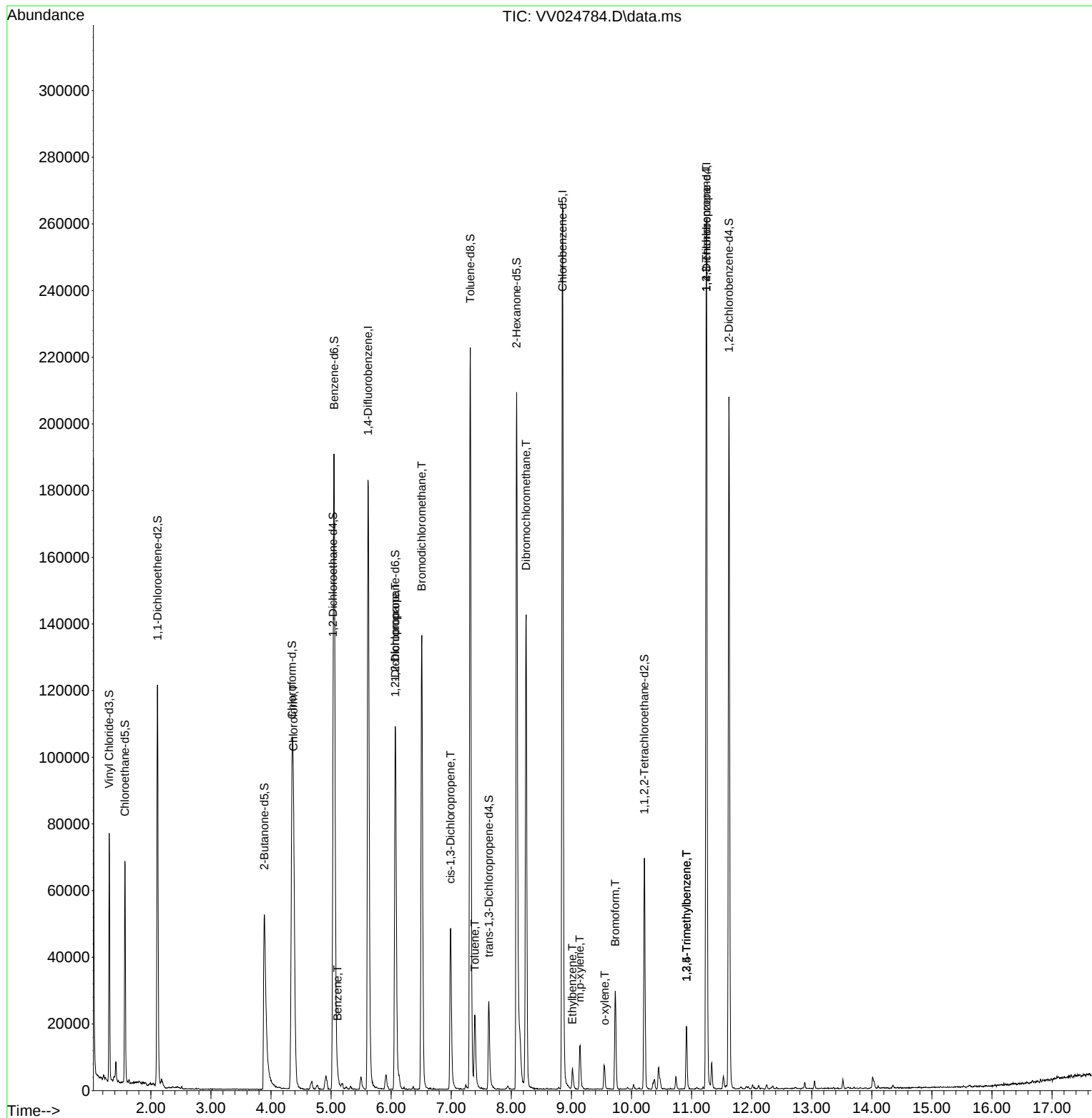
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	160576	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	148800	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	65118	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	45863	3.367	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.400%
7) Chloroethane-d5	1.568	69	42125	3.770	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.111	63	63198	2.532	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.600%#
20) 2-Butanone-d5	3.889	46	96556	49.632	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.260%
24) Chloroform-d	4.349	84	90815	4.273	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	5.034	65	40581	4.284	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
32) Benzene-d6	5.050	84	178064	4.148	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
36) 1,2-Dichloropropane-d6	6.069	67	55156	4.366	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.317	98	149086	3.822	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	7.625	79	16393	3.895	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.000%
46) 2-Hexanone-d5	8.088	63	73930	44.645	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.300%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	34100	4.479	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	49681	4.409	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.200%
Target Compounds						Qvalue
25) Chloroform	4.375	83	62867	2.691	ug/L	99
33) Benzene	5.105	78	2261	0.045	ug/L	100
37) 1,2-Dichloropropane	6.066	63	6123	0.514	ug/L #	86
38) Bromodichloromethane	6.510	83	94057	6.278	ug/L	99
39) cis-1,3-Dichloropropene	6.989	75	1380	0.084	ug/L #	40
42) Toluene	7.391	91	17846	0.333	ug/L	99
49) Dibromochloromethane	8.246	129	72864	8.480	ug/L	98
52) Ethylbenzene	9.018	91	5179	0.088	ug/L	95
53) m,p-xylene	9.140	106	4351	0.197	ug/L	93
54) o-xylene	9.555	106	2217	0.103	ug/L	84
59) Bromoform	9.731	173	12320	3.737	ug/L	98
61) 1,2,3-Trichloropropane	11.246	75	8490	1.439	ug/L #	65
62) 1,3,5-Trimethylbenzene	10.915	105	10883	0.242	ug/L	95
63) 1,2,4-Trimethylbenzene	10.915	105	10883	0.244	ug/L	99

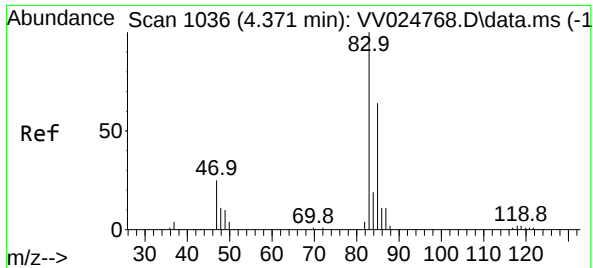
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Chloroform

Concen: 2.691 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VV024784.D

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Instrument :

MSVOA_V

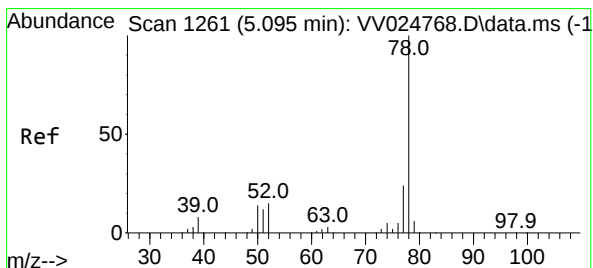
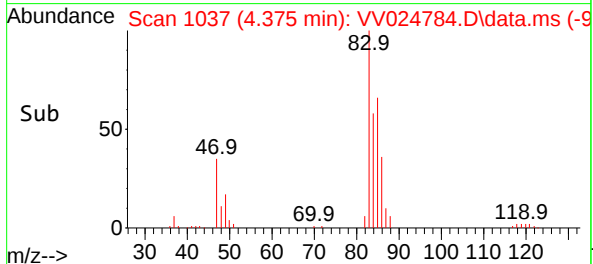
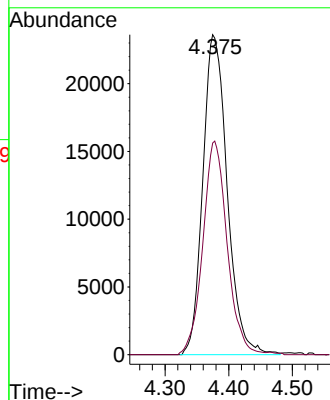
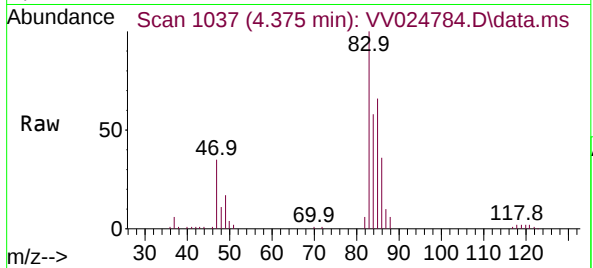
ClientSampleId :

Tgt Ion: 83 Resp: 62867

Ion Ratio Lower Upper

83 100

85 66.2 45.5 84.5



#33

Benzene

Concen: 0.045 ug/L

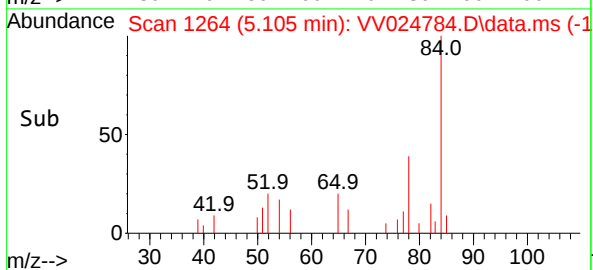
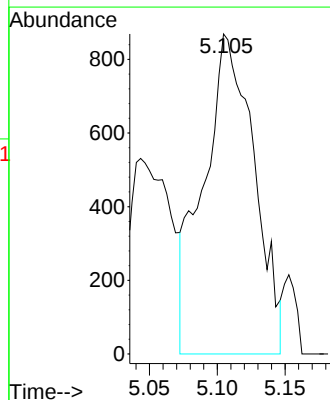
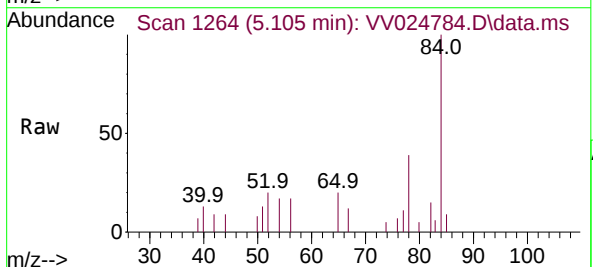
RT: 5.105 min Scan# 1264

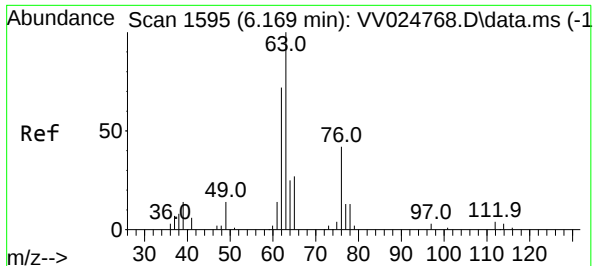
Delta R.T. 0.010 min

Lab File: VV024784.D

Acq: 21 Feb 2022 18:39

Tgt Ion: 78 Resp: 2261





#37

1,2-Dichloropropane

Concen: 0.514 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV024784.D

Acq: 21 Feb 2022 18:39

Instrument :

MSVOA_V

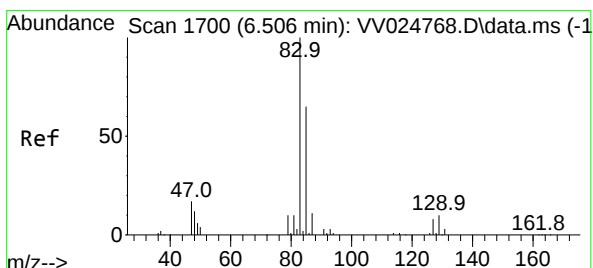
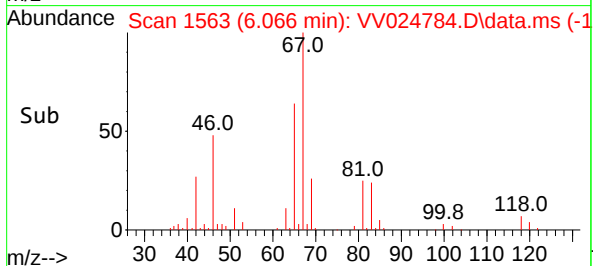
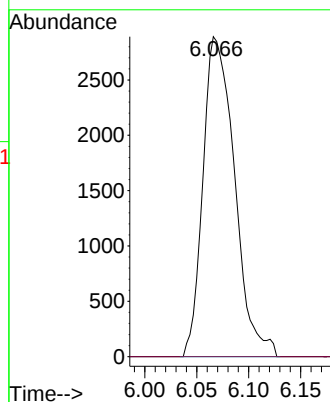
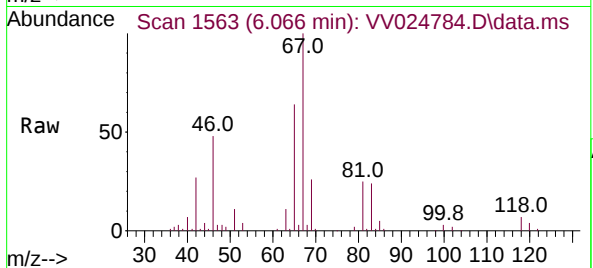
ClientSampleId :

Tgt Ion: 63 Resp: 6123

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#38

Bromodichloromethane

Concen: 6.278 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV024784.D

Acq: 21 Feb 2022 18:39

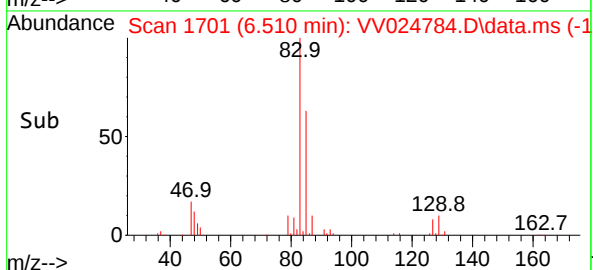
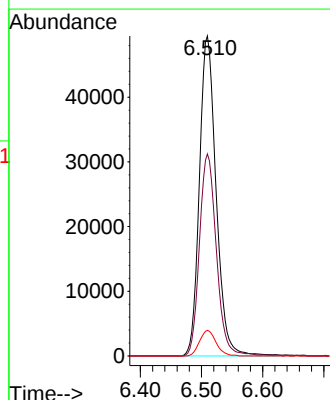
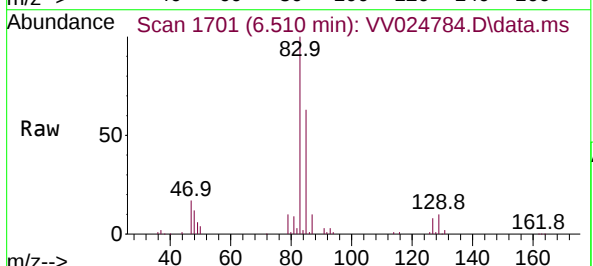
Tgt Ion: 83 Resp: 94057

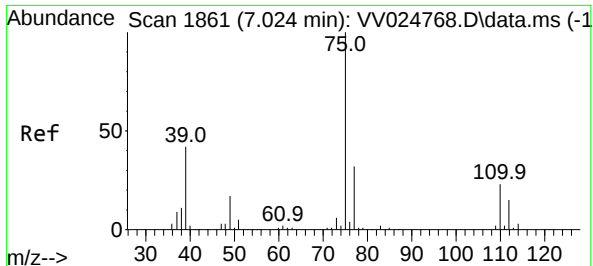
Ion Ratio Lower Upper

83 100

85 63.1 43.5 80.9

127 8.0 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.035 min

Lab File: VV024784.D

Acq: 21 Feb 2022 18:39

Instrument :

MSVOA_V

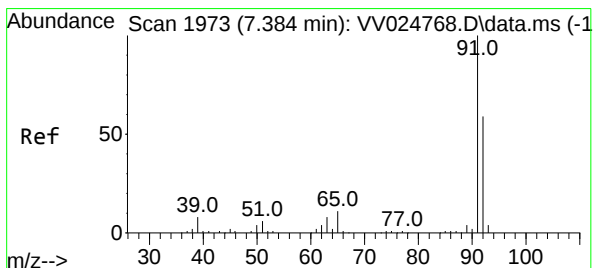
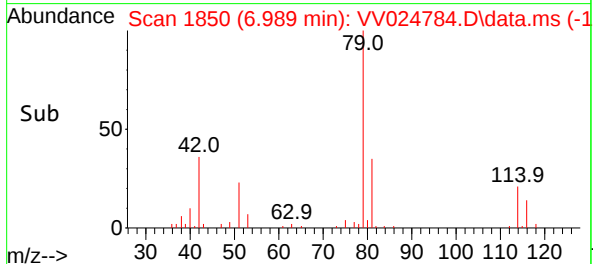
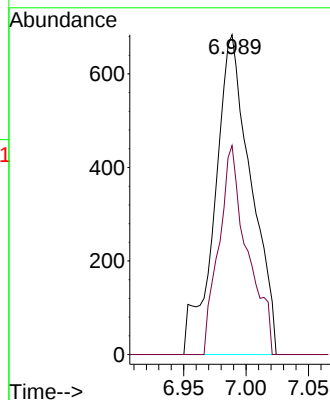
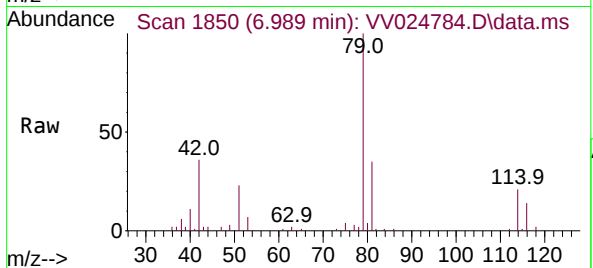
ClientSampleId :

Tgt Ion: 75 Resp: 1380

Ion Ratio Lower Upper

75 100

77 65.4 22.3 41.5#



#42

Toluene

Concen: 0.333 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.007 min

Lab File: VV024784.D

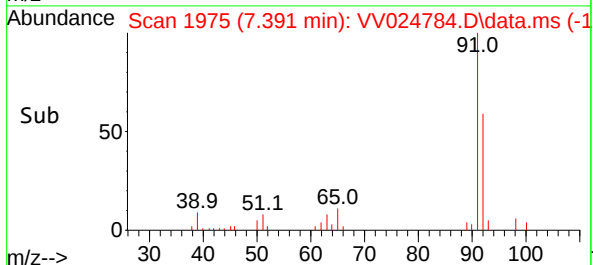
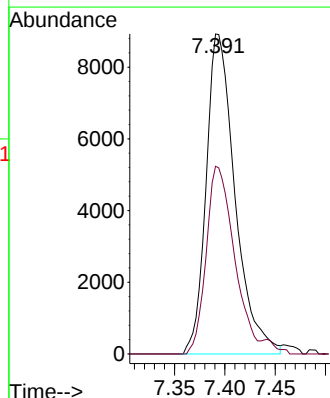
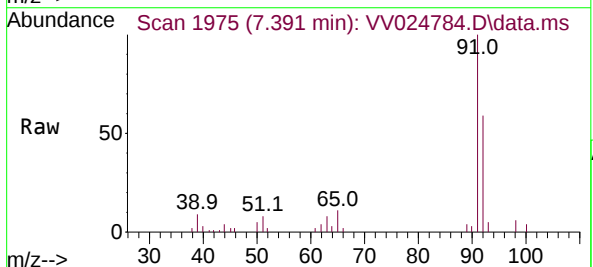
Acq: 21 Feb 2022 18:39

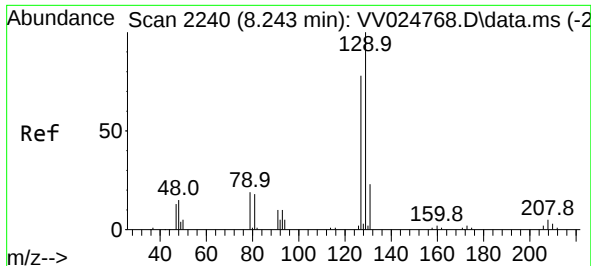
Tgt Ion: 91 Resp: 17846

Ion Ratio Lower Upper

91 100

92 58.6 40.3 74.9





#49

Dibromochloromethane

Concen: 8.480 ug/L

RT: 8.246 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV024784.D

Acq: 21 Feb 2022 18:39

Instrument :

MSVOA_V

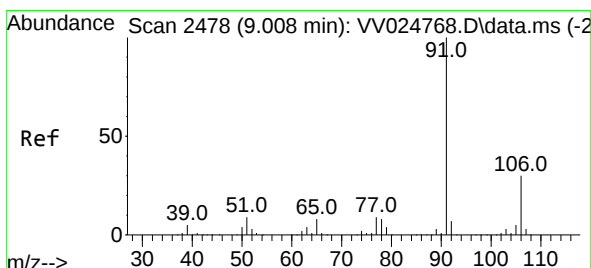
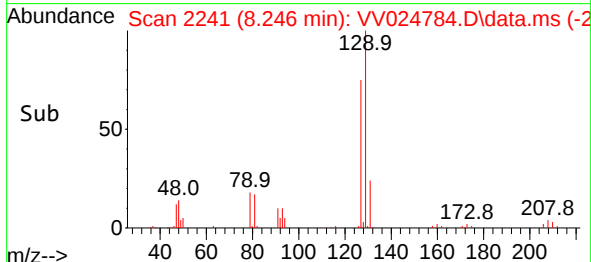
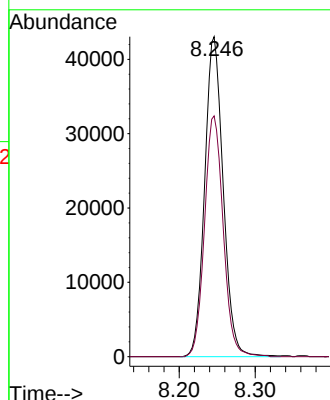
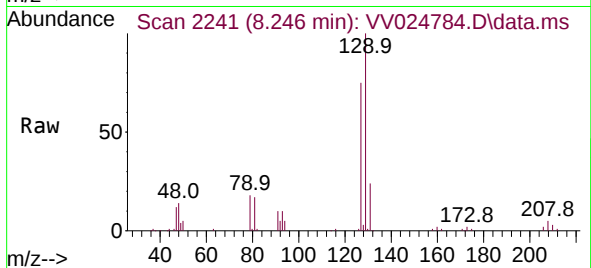
ClientSampleId :

Tgt Ion:129 Resp: 72864

Ion Ratio Lower Upper

129 100

127 75.3 53.6 99.6



#52

Ethylbenzene

Concen: 0.088 ug/L

RT: 9.018 min Scan# 2481

Delta R.T. 0.010 min

Lab File: VV024784.D

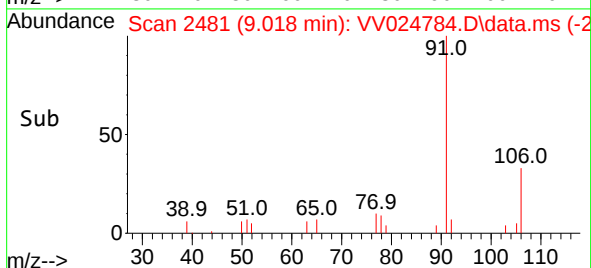
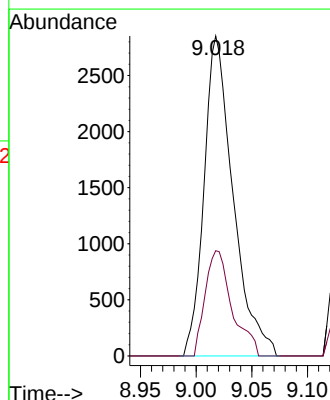
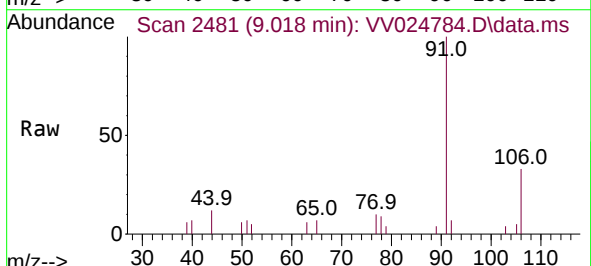
Acq: 21 Feb 2022 18:39

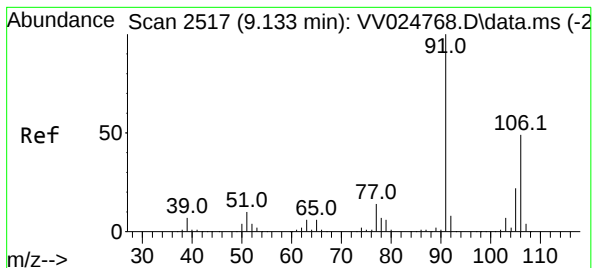
Tgt Ion: 91 Resp: 5179

Ion Ratio Lower Upper

91 100

106 32.9 21.3 39.5





#53

m,p-xylene

Concen: 0.197 ug/L

RT: 9.140 min Scan# 2

Delta R.T. 0.007 min

Lab File: VV024784.D

Acq: 21 Feb 2022 18:39

Instrument :

MSVOA_V

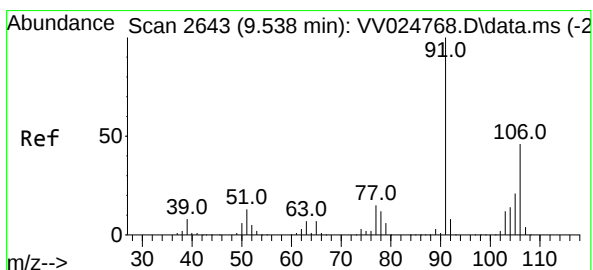
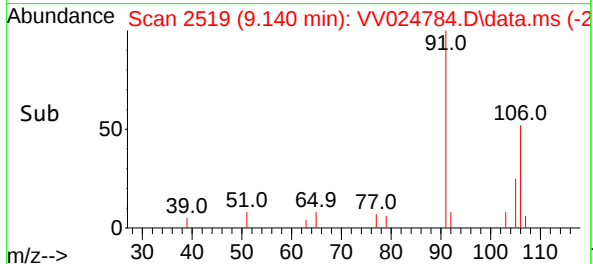
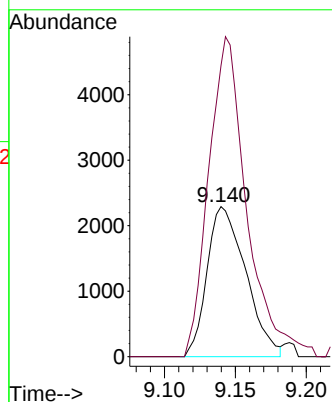
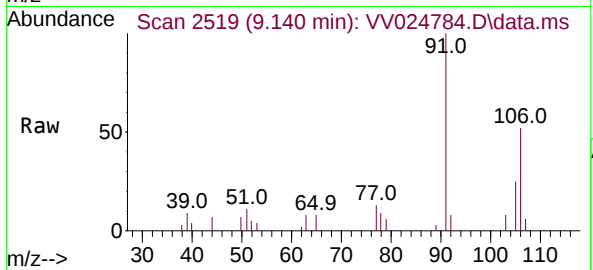
ClientSampleId :

Tgt Ion:106 Resp: 4351

Ion Ratio Lower Upper

106 100

91 193.9 143.6 266.6



#54

o-xylene

Concen: 0.103 ug/L

RT: 9.555 min Scan# 2648

Delta R.T. 0.016 min

Lab File: VV024784.D

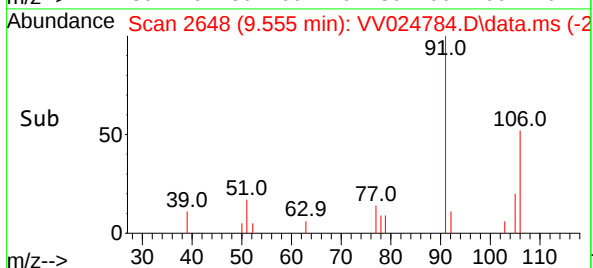
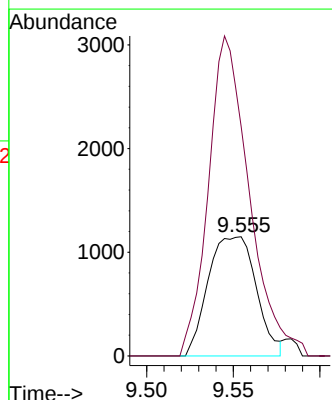
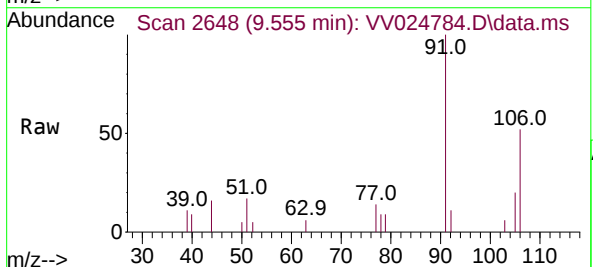
Acq: 21 Feb 2022 18:39

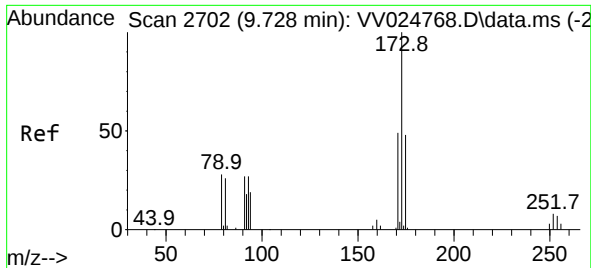
Tgt Ion:106 Resp: 2217

Ion Ratio Lower Upper

106 100

91 192.4 152.2 282.7





#59

Bromoform

Concen: 3.737 ug/L

RT: 9.731 min Scan# 21

Delta R.T. 0.003 min

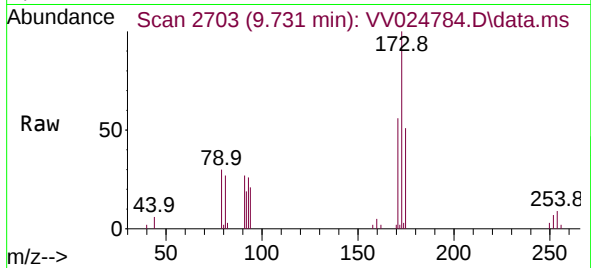
Lab File: VV024784.D

Acq: 21 Feb 2022 18:39

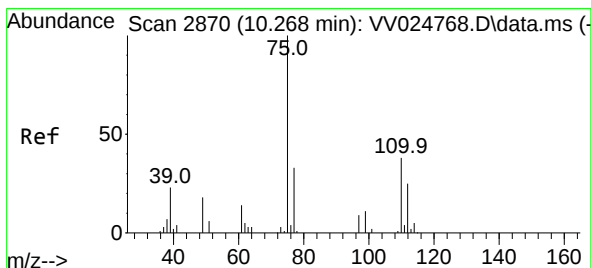
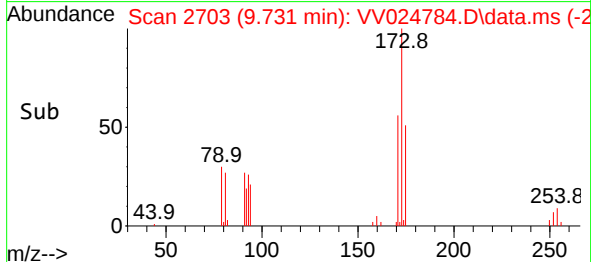
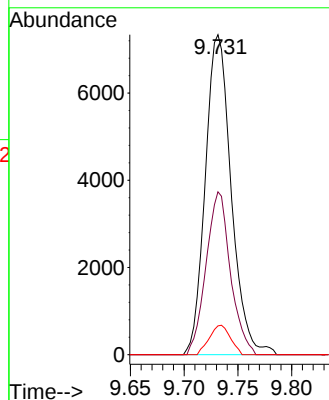
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	173	Resp:	12320
Ion	Ratio	Lower	Upper
173	100		
175	47.8	39.4	59.0
254	7.4	7.0	10.4



#61

1,2,3-Trichloropropane

Concen: 1.439 ug/L

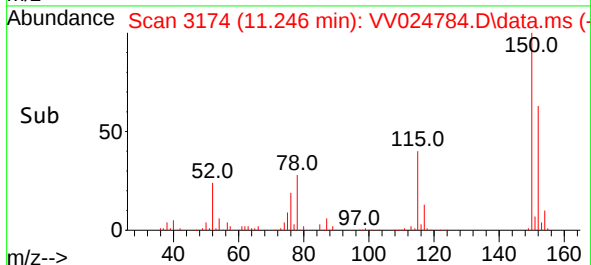
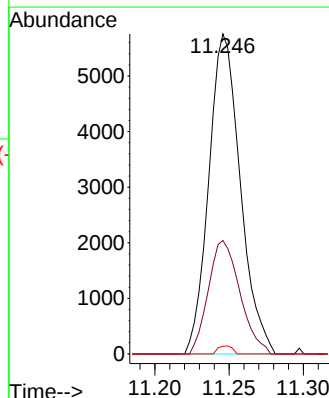
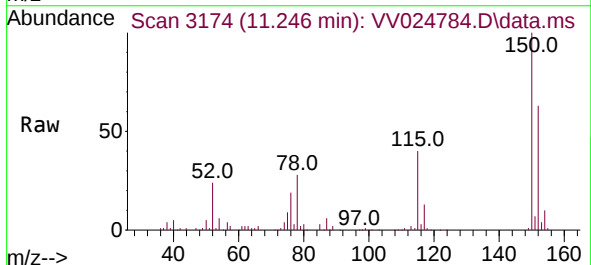
RT: 11.246 min Scan# 3174

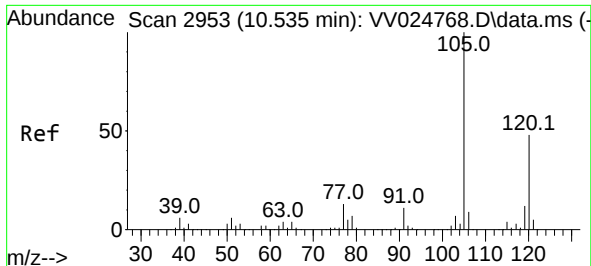
Delta R.T. 0.978 min

Lab File: VV024784.D

Acq: 21 Feb 2022 18:39

Tgt Ion:	75	Resp:	8490
Ion	Ratio	Lower	Upper
75	100		
77	35.5	26.3	39.5
110	1.1	30.3	45.5





#62

1,3,5-Trimethylbenzene

Concen: 0.242 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.380 min

Lab File: VV024784.D

Acq: 21 Feb 2022 18:39

Instrument :

MSVOA_V

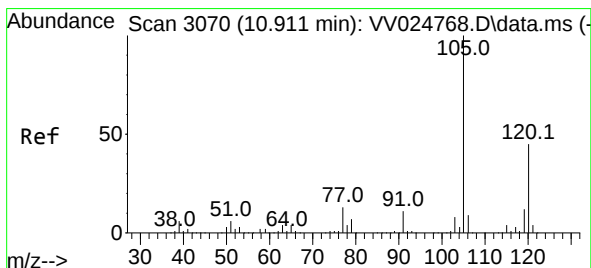
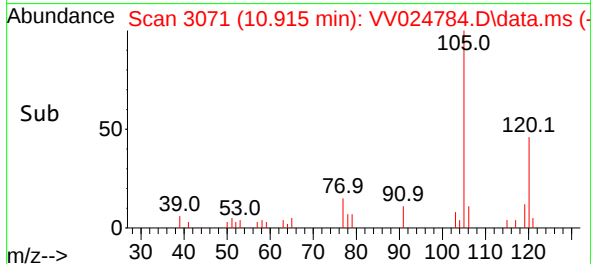
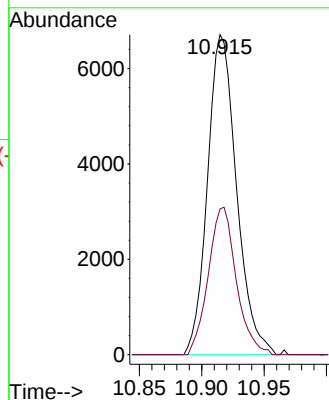
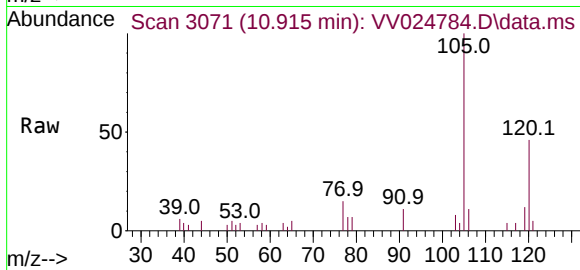
ClientSampleId :

Tgt Ion:105 Resp: 10883

Ion Ratio Lower Upper

105 100

120 44.5 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 0.244 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV024784.D

Acq: 21 Feb 2022 18:39

Tgt Ion:105 Resp: 10883

Ion Ratio Lower Upper

105 100

120 44.5 35.9 53.9

