

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW090622\
 Data File : VW027753.D
 Acq On : 06 Sep 2022 20:04
 Operator : SY/MD
 Sample : N4404-16DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBVD2DL

Quant Time: Sep 07 06:29:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 07 06:13:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	138674	5.000	ug/L	0.02
28) Chlorobenzene-d5	8.850	117	138134	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62008	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	50580	5.533	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.600%
7) Chloroethane-d5	1.568	69	44023	5.677	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.600%
11) 1,1-Dichloroethene-d2	2.105	63	78161	4.030	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.600%
20) 2-Butanone-d5	3.896	46	59469	29.356	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	58.720%
24) Chloroform-d	4.346	84	100716	5.381	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.600%
26) 1,2-Dichloroethane-d4	5.031	65	47388	4.754	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.047	84	180915	4.514	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.066	67	51891	4.423	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.400%
41) Toluene-d8	7.313	98	144581	4.291	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	7.622	79	17566	4.463	ug/L	-0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.092	63	65932	45.062	ug/L	-0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.120%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	36369	4.827	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	52219	5.126	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	534	0.043	ug/L #	71
5) Vinyl chloride	1.310	62	40299	3.228	ug/L	97
6) Bromomethane	1.523	94	411	0.061	ug/L	82
8) Chloroethane	1.671	64	554	0.077	ug/L #	43
12) 1,1-Dichloroethene	2.114	96	1198	0.130	ug/L #	1
14) Carbon disulfide	2.291	76	1571	0.058	ug/L #	88
22) cis-1,2-Dichloroethene	3.908	96	49325	4.663	ug/L #	89
34) Trichloroethene	5.915	95	21425	1.876	ug/L	94
35) Methylcyclohexane	6.069	83	13316	0.759	ug/L #	22
37) 1,2-Dichloropropane	6.066	63	6084	0.562	ug/L #	85
39) cis-1,3-Dichloropropene	6.985	75	1297	0.095	ug/L #	67
47) Tetrachloroethene	7.973	164	5061	0.552	ug/L	95
49) Dibromochloromethane	7.976	129	4159	0.467	ug/L #	10
53) m,p-Xylene	9.136	106	3262	0.181	ug/L	92
60) Isopropylbenzene	9.136	105	1677	0.043	ug/L #	30
61) 1,2,3-Trichloropropane	11.246	75	6146	1.252	ug/L #	63
62) 1,3,5-Trimethylbenzene	10.921	105	451	0.041	ug/L #	28
71) Naphthalene	13.513	128	1004	0.054	ug/L #	68

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 07 06:13:02 2022
Response via : Initial Calibration

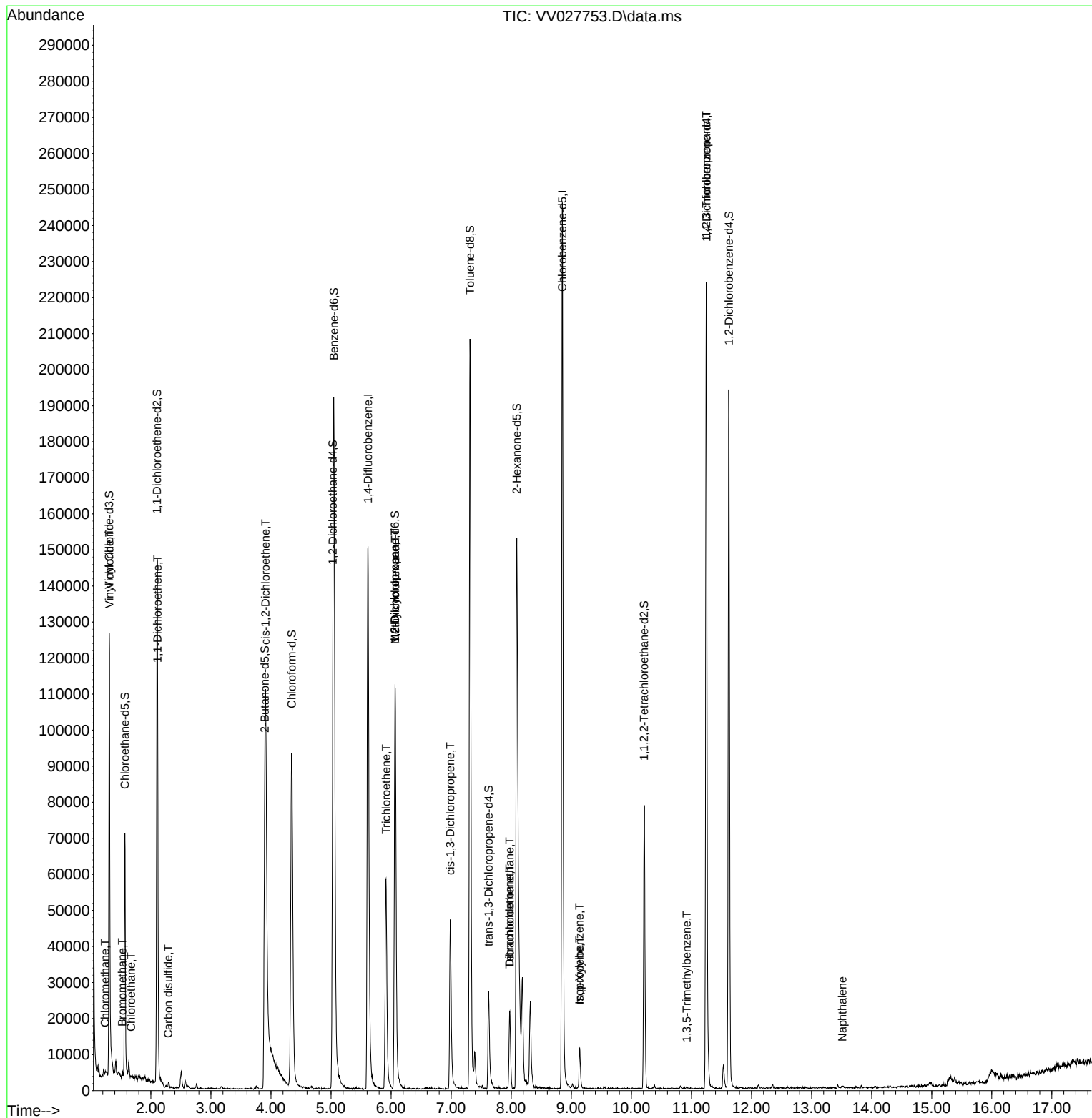
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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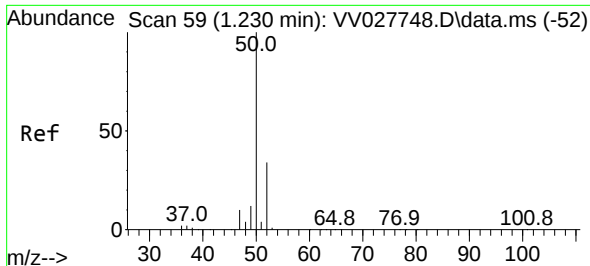
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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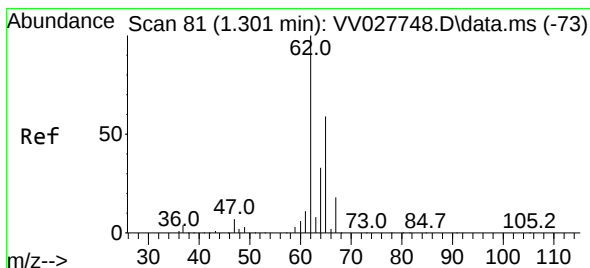
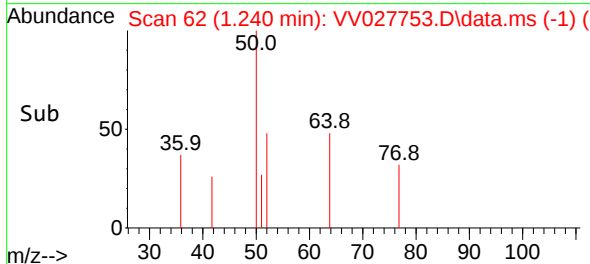
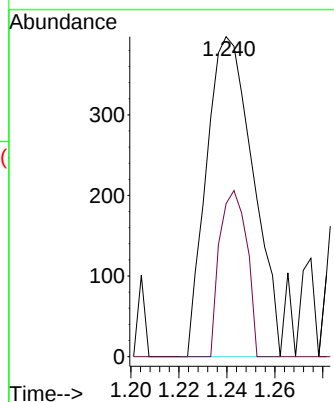
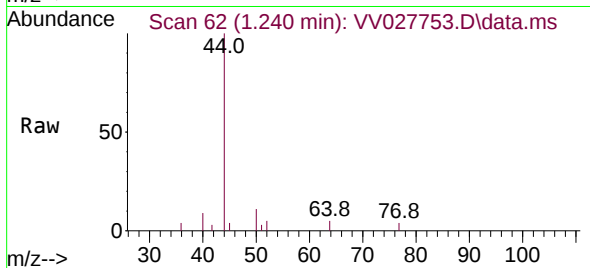




#3
Chloromethane
Concen: 0.043 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.010 min
Lab File: VV027753.D
Acq: 06 Sep 2022 20:04

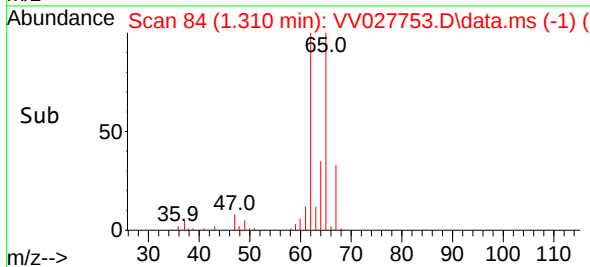
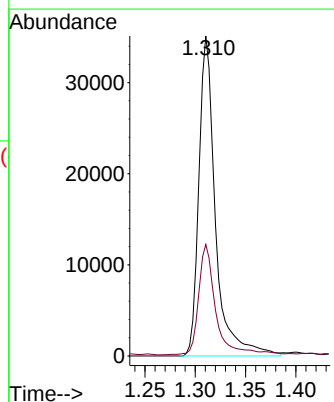
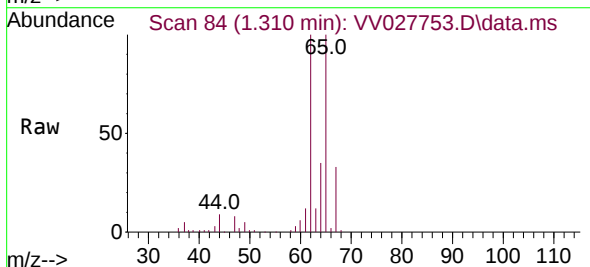
Instrument :
MSVOA_V
ClientSampleId :
DBVD2DL

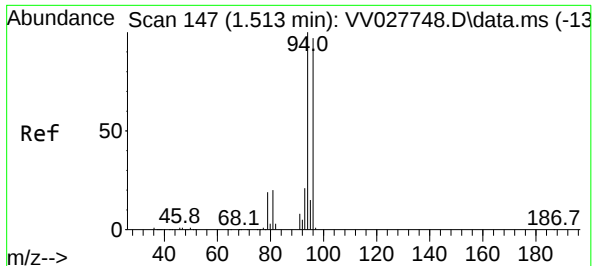
Tgt Ion: 50 Resp: 534
Ion Ratio Lower Upper
50 100
52 47.9 22.1 41.1#



#5
Vinyl chloride
Concen: 3.228 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.010 min
Lab File: VV027753.D
Acq: 06 Sep 2022 20:04

Tgt Ion: 62 Resp: 40299
Ion Ratio Lower Upper
62 100
64 34.9 23.2 43.2

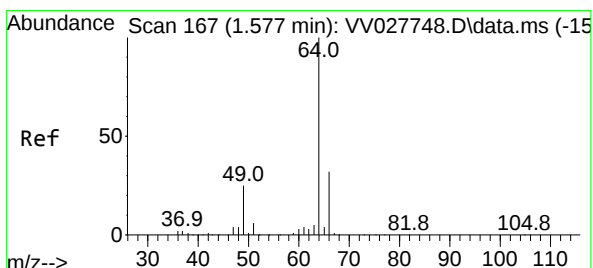
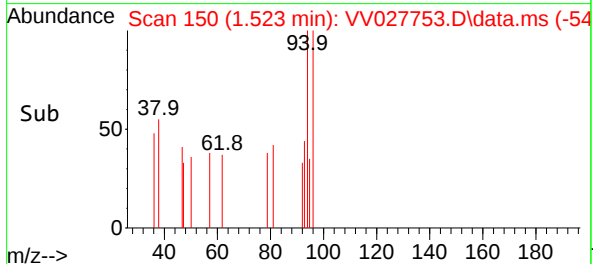
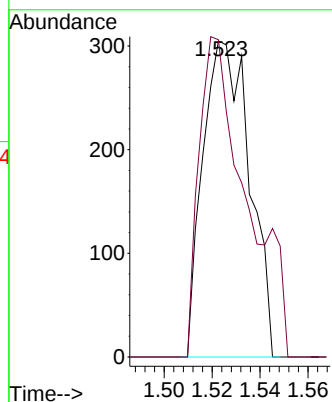
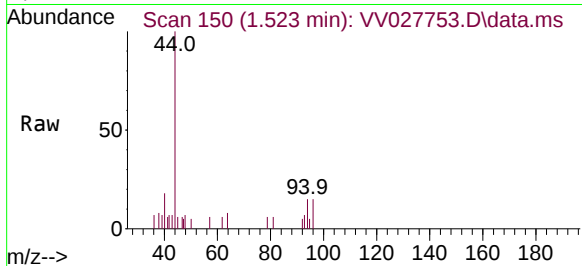




#6
Bromomethane
Concen: 0.061 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV027753.D
Acq: 06 Sep 2022 20:04

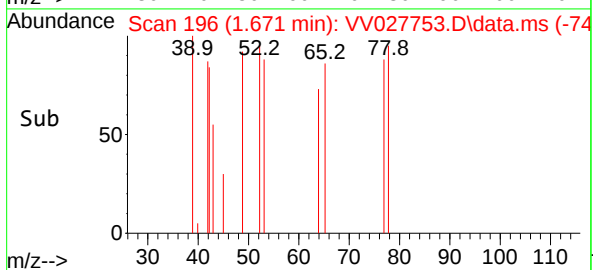
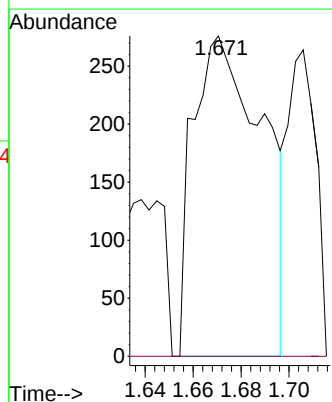
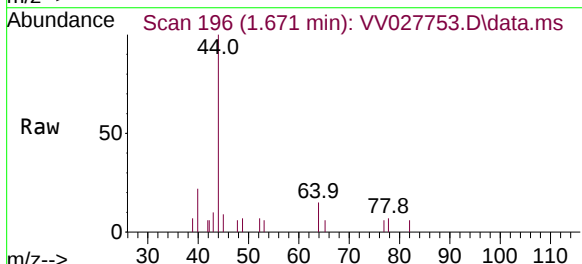
Instrument :
MSVOA_V
ClientSampleId :
DBVD2DL

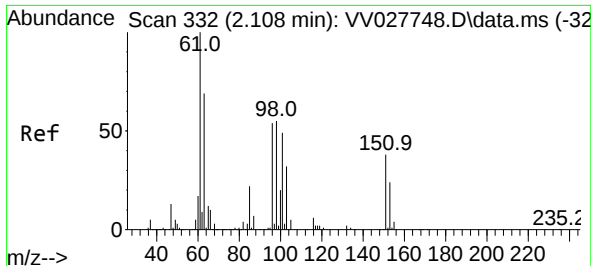
Tgt Ion: 94 Resp: 411
Ion Ratio Lower Upper
94 100
96 74.3 64.2 119.2



#8
Chloroethane
Concen: 0.077 ug/L
RT: 1.671 min Scan# 196
Delta R.T. 0.093 min
Lab File: VV027753.D
Acq: 06 Sep 2022 20:04

Tgt Ion: 64 Resp: 554
Ion Ratio Lower Upper
64 100
66 0.0 22.1 41.1#





#12

1,1-Dichloroethene

Concen: 0.130 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV027753.D

Acq: 06 Sep 2022 20:04

Instrument :

MSVOA_V

ClientSampleId :

DBVD2DL

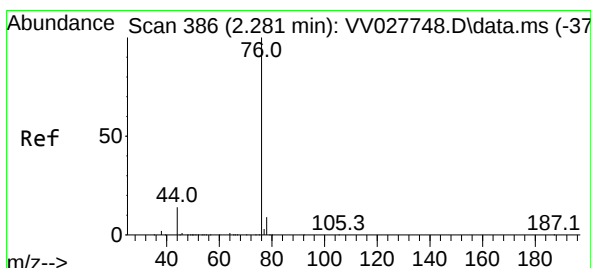
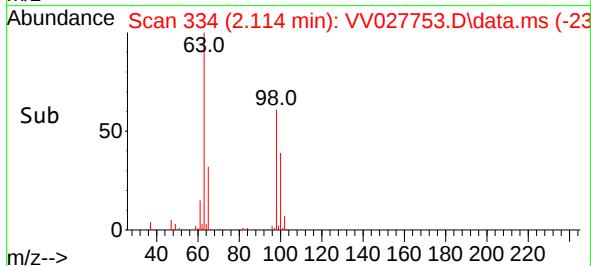
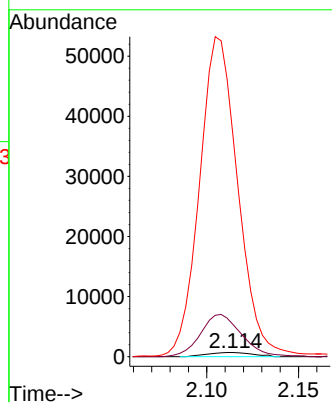
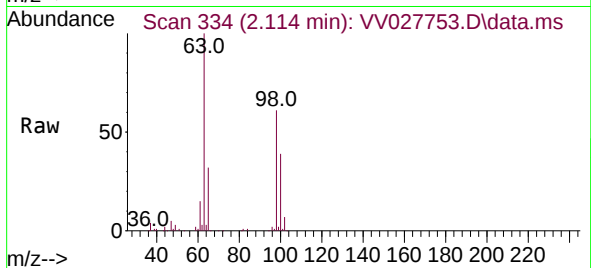
Tgt Ion: 96 Resp: 1198

Ion Ratio Lower Upper

96 100

61 761.5 129.9 241.3#

63 5215.9 94.6 175.8#



#14

Carbon disulfide

Concen: 0.058 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.010 min

Lab File: VV027753.D

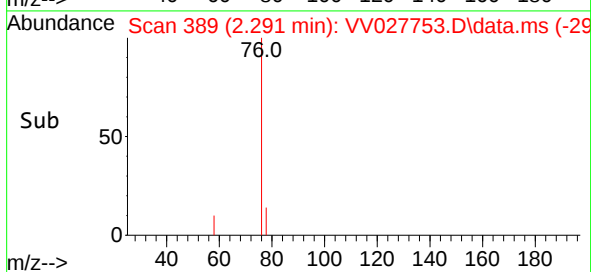
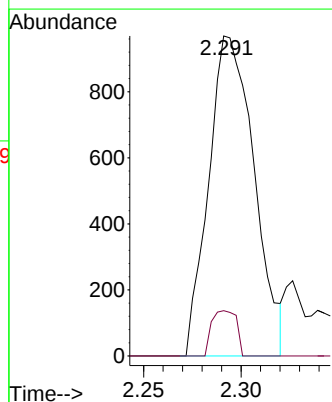
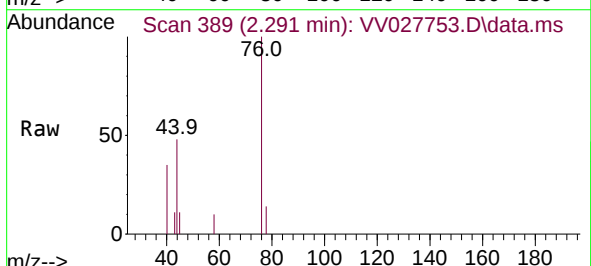
Acq: 06 Sep 2022 20:04

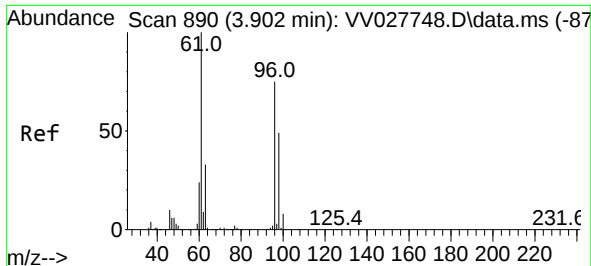
Tgt Ion: 76 Resp: 1571

Ion Ratio Lower Upper

76 100

78 14.1 7.7 11.5#

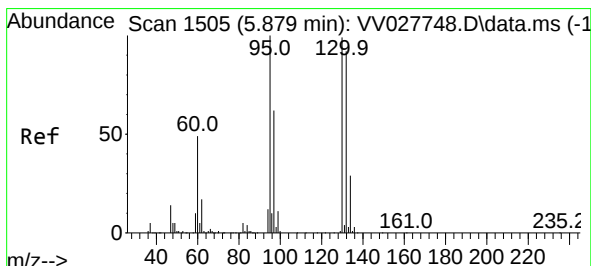
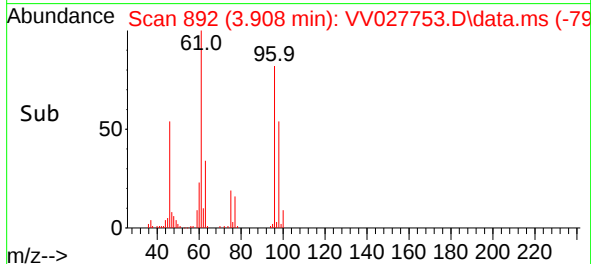
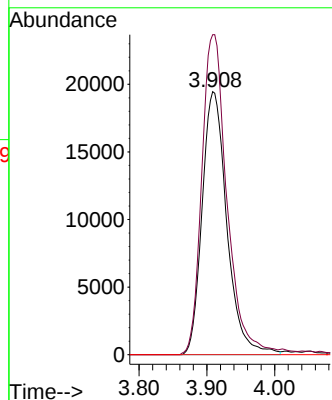
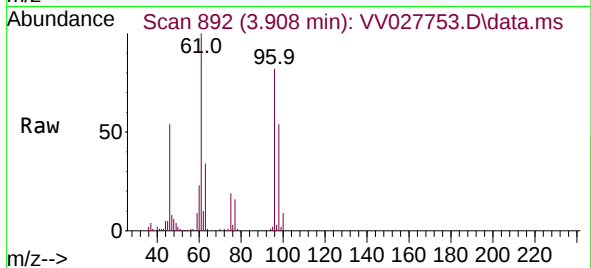




#22
 cis-1,2-Dichloroethene
 Concen: 4.663 ug/L
 RT: 3.908 min Scan# 890
 Delta R.T. 0.007 min
 Lab File: VV027753.D
 Acq: 06 Sep 2022 20:04

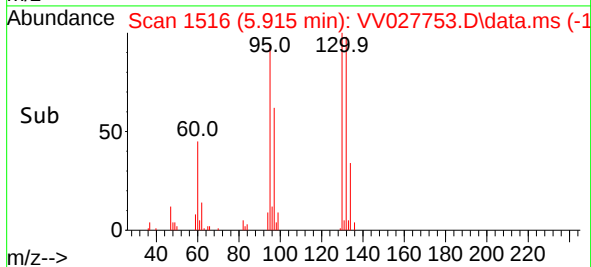
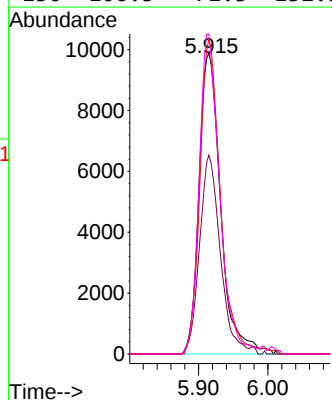
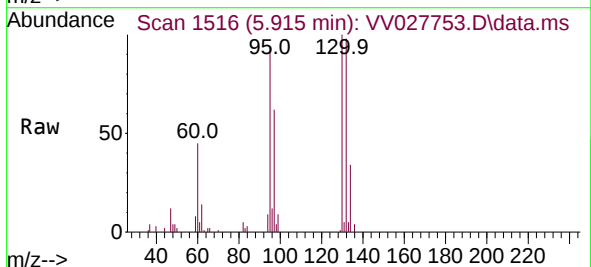
Instrument :
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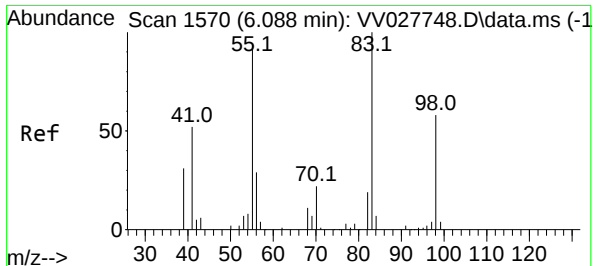
Tgt Ion: 96 Resp: 49325
 Ion Ratio Lower Upper
 96 100
 61 121.7 94.6 175.6
 68 0.0 0.3 0.5#



#34
 Trichloroethene
 Concen: 1.876 ug/L
 RT: 5.915 min Scan# 1516
 Delta R.T. 0.035 min
 Lab File: VV027753.D
 Acq: 06 Sep 2022 20:04

Tgt Ion: 95 Resp: 21425
 Ion Ratio Lower Upper
 95 100
 97 66.1 42.9 79.7
 132 104.4 67.9 126.1
 130 106.3 71.3 132.3





#35

Methylcyclohexane

Concen: 0.759 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.019 min

Lab File: VV027753.D

Acq: 06 Sep 2022 20:04

Instrument :

MSVOA_V

ClientSampleId :

DBVD2DL

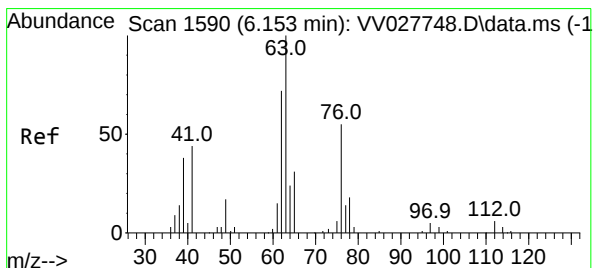
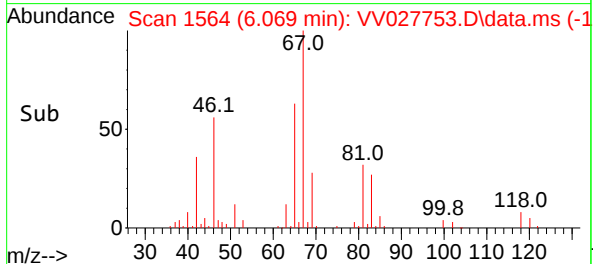
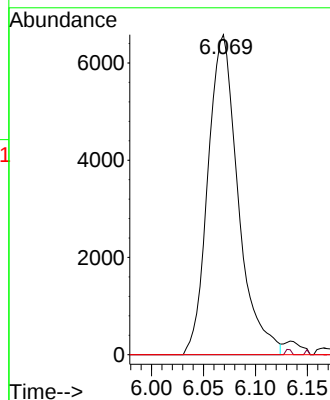
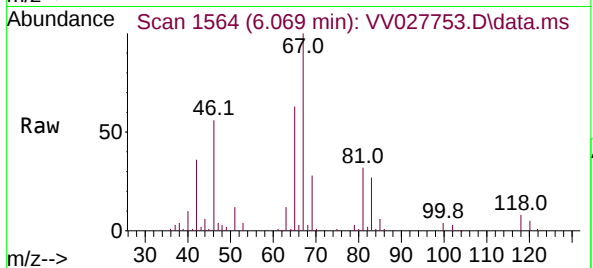
Tgt Ion: 83 Resp: 13316

Ion Ratio Lower Upper

83 100

55 0.3 61.9 92.9#

98 6.7 37.5 56.3#



#37

1,2-Dichloropropane

Concen: 0.562 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.087 min

Lab File: VV027753.D

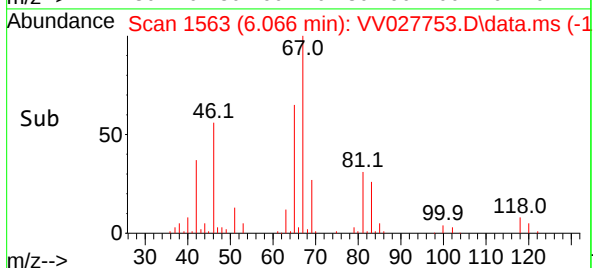
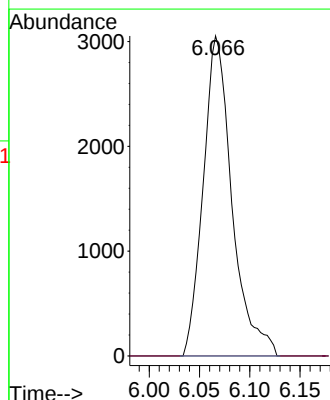
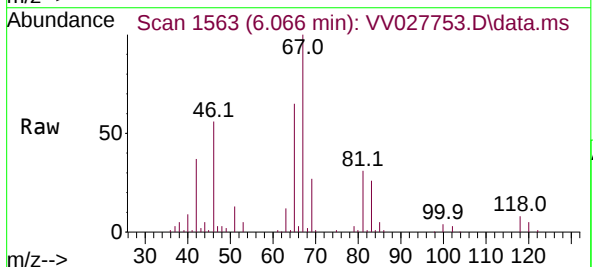
Acq: 06 Sep 2022 20:04

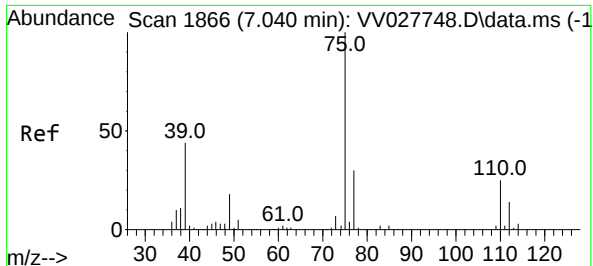
Tgt Ion: 63 Resp: 6084

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.055 min

Lab File: VV027753.D

Acq: 06 Sep 2022 20:04

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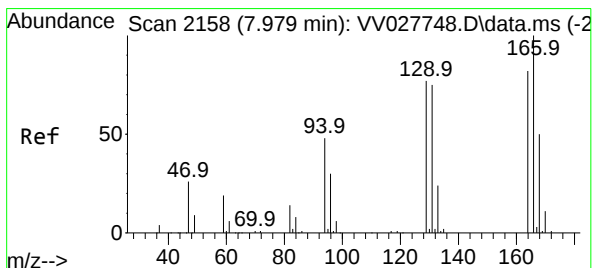
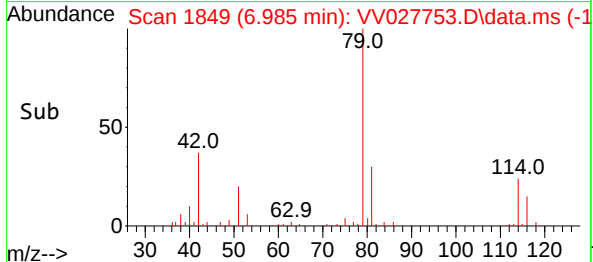
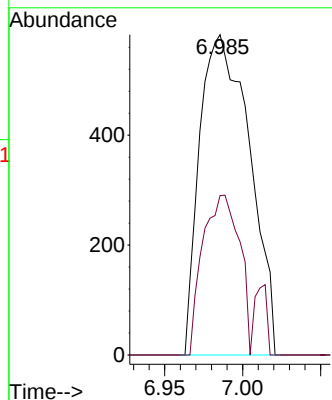
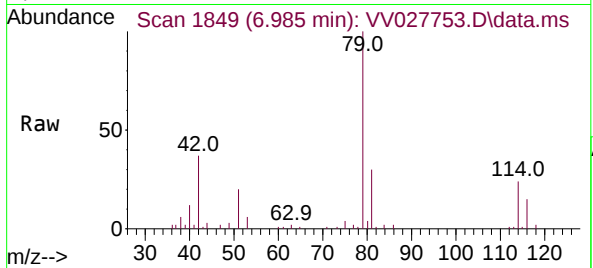
DBVD2DL

Tgt Ion: 75 Resp: 1297

Ion Ratio Lower Upper

75 100

77 49.7 22.0 40.8#



#47

Tetrachloroethene

Concen: 0.552 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.006 min

Lab File: VV027753.D

Acq: 06 Sep 2022 20:04

Tgt Ion: 164 Resp: 5061

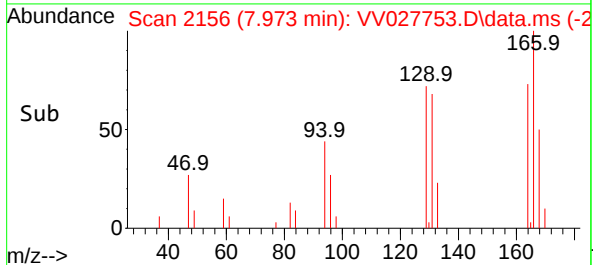
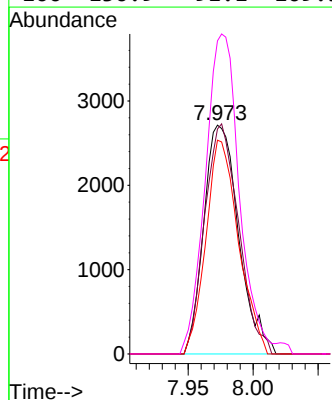
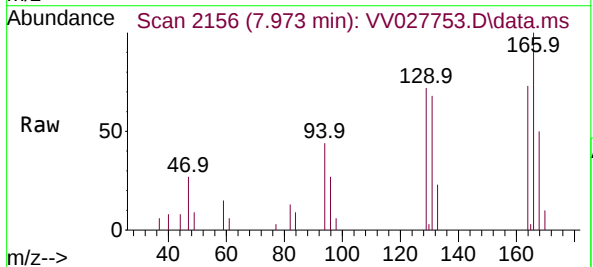
Ion Ratio Lower Upper

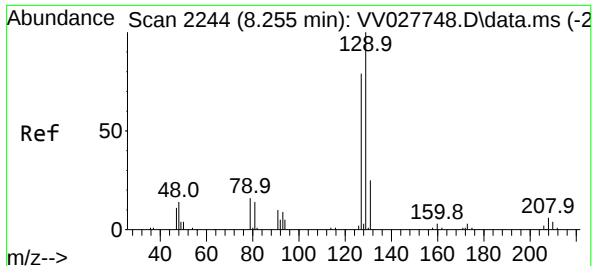
164 100

129 98.3 67.2 124.8

131 93.4 61.5 114.3

166 136.9 91.1 169.3





#49

Dibromochloromethane

Concen: 0.467 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.280 min

Lab File: VV027753.D

Acq: 06 Sep 2022 20:04

Instrument :

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ClientSampleId :

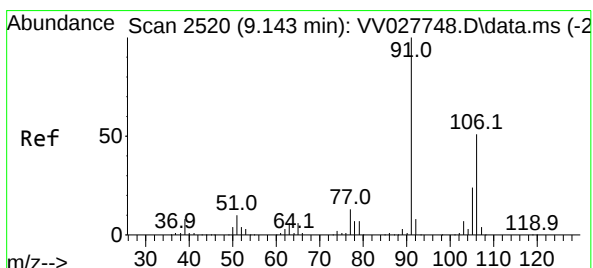
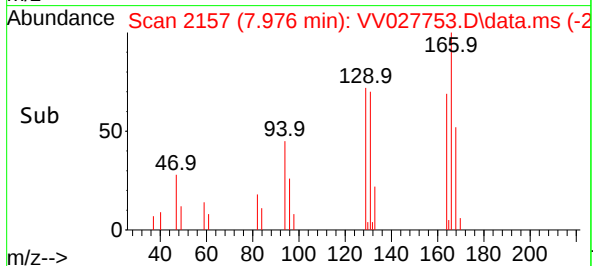
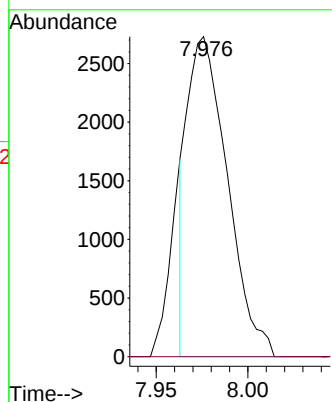
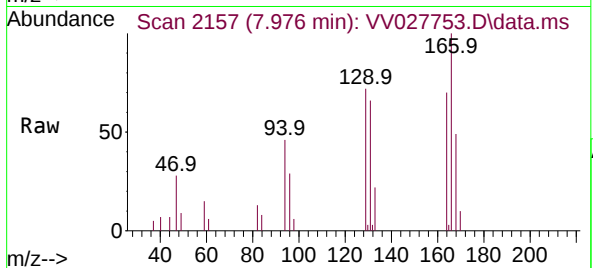
DBVD2DL

Tgt Ion:129 Resp: 4159

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



#53

m,p-Xylene

Concen: 0.181 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. -0.006 min

Lab File: VV027753.D

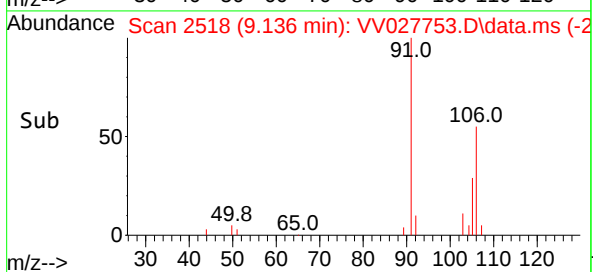
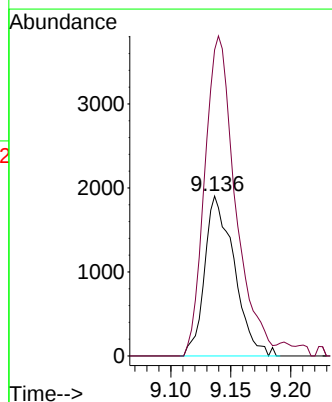
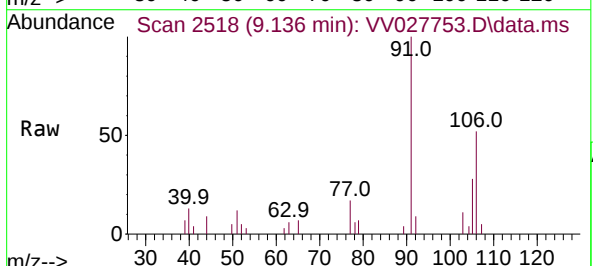
Acq: 06 Sep 2022 20:04

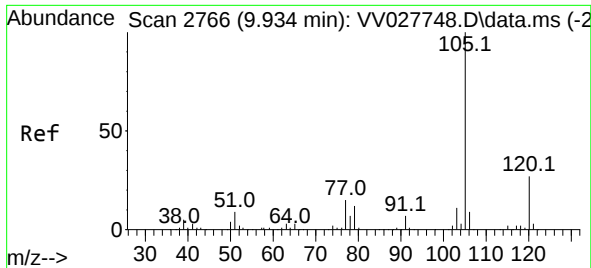
Tgt Ion:106 Resp: 3262

Ion Ratio Lower Upper

106 100

91 191.5 142.4 264.4

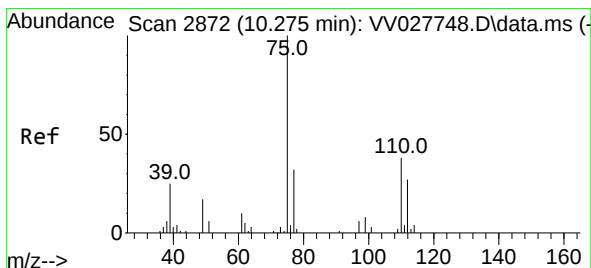
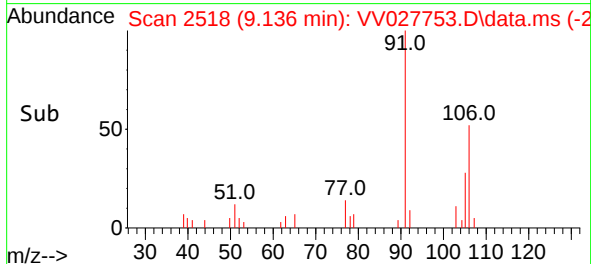
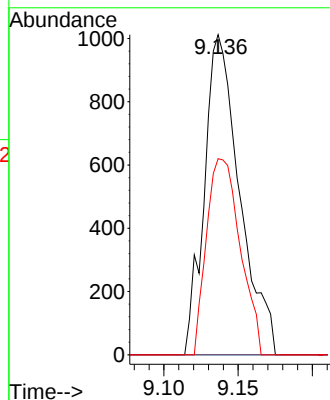
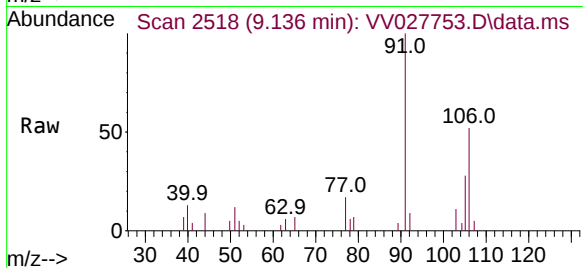




#60
Isopropylbenzene
Concen: 0.043 ug/L
RT: 9.136 min Scan# 21
Delta R.T. -0.797 min
Lab File: VV027753.D
Acq: 06 Sep 2022 20:04

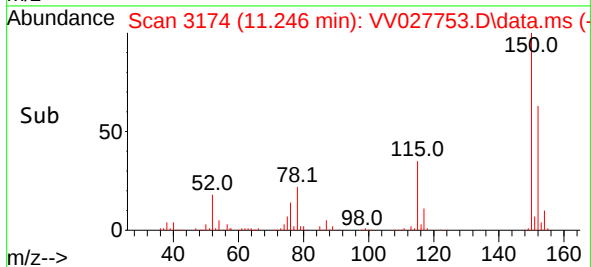
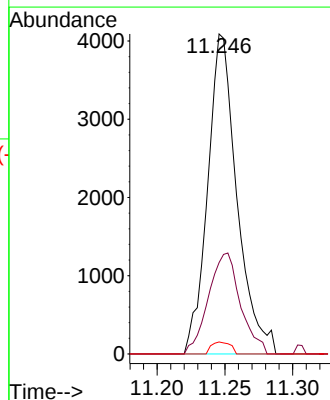
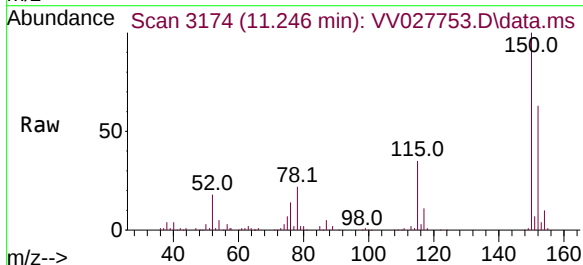
Instrument :
MSVOA_V
ClientSampleId :
DBVD2DL

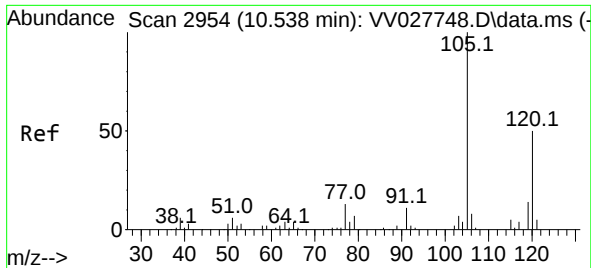
Tgt Ion:105 Resp: 1677
Ion Ratio Lower Upper
105 100
120 0.0 21.3 31.9#
77 58.3 12.6 18.8#



#61
1,2,3-Trichloropropane
Concen: 1.252 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.971 min
Lab File: VV027753.D
Acq: 06 Sep 2022 20:04

Tgt Ion: 75 Resp: 6146
Ion Ratio Lower Upper
75 100
77 34.4 27.6 41.4
110 2.4 35.6 53.4#

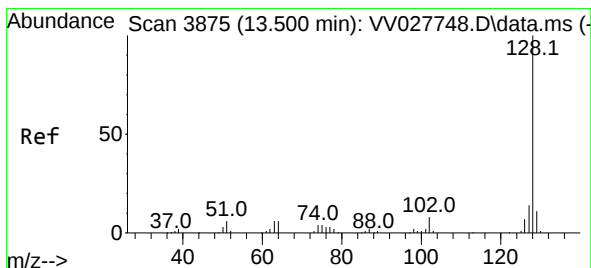
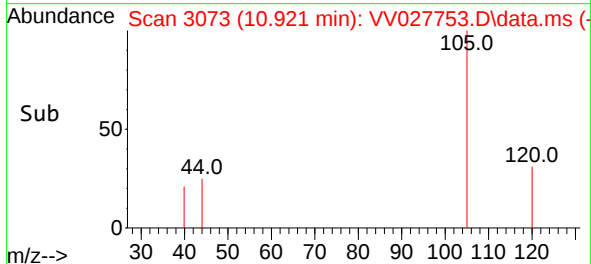
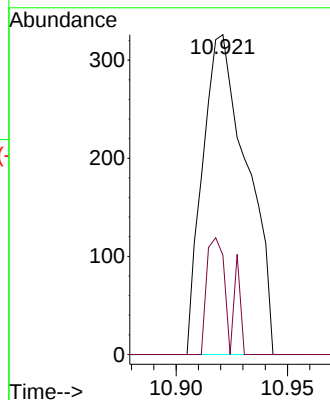
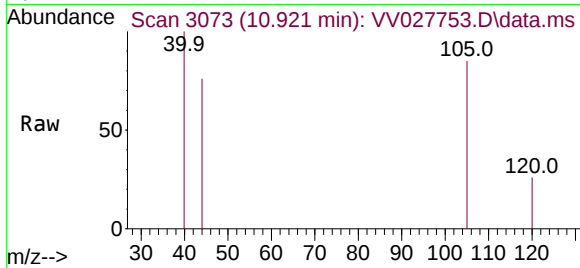




#62
1,3,5-Trimethylbenzene
Concen: 0.041 ug/L
RT: 10.921 min Scan# 30
Delta R.T. 0.383 min
Lab File: VV027753.D
Acq: 06 Sep 2022 20:04

Instrument :
MSVOA_V
ClientSampleId :
DBVD2DL

Tgt Ion:105 Resp: 451
Ion Ratio Lower Upper
105 100
120 0.0 39.6 59.4#



#71
Naphthalene
Concen: 0.054 ug/L
RT: 13.513 min Scan# 3879
Delta R.T. 0.013 min
Lab File: VV027753.D
Acq: 06 Sep 2022 20:04

Tgt Ion:128 Resp: 1004
Ion Ratio Lower Upper
128 100
129 0.0 9.2 13.8#
127 0.0 10.6 16.0#

