

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062022\
 Data File : VW026459.D
 Acq On : 20 Jun 2022 20:37
 Operator : SY/MD
 Sample : N3355-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 21 05:40:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 21 05:26:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	220617	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	200592	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	102711	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	64540	3.368	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.400%
7) Chloroethane-d5	1.584	69	55068	3.655	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.000%
11) 1,1-Dichloroethene-d2	2.124	63	91754	2.788	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.800%#
20) 2-Butanone-d5	3.931	46	84626	45.260	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.520%
24) Chloroform-d	4.365	84	121842	4.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.047	65	50001	4.208	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
32) Benzene-d6	5.060	84	257955	4.810	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.079	67	73823	4.717	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.320	98	225252	4.606	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	7.632	79	12505	2.464	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	49.200%#
46) 2-Hexanone-d5	8.095	63	72926	47.567	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.140%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	44851	4.652	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	82693	5.227	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.259	50	2009	0.110	ug/L	87
6) Bromomethane	1.539	94	535	0.050	ug/L	78
8) Chloroethane	1.568	64	78987	6.681	ug/L #	48
14) Carbon disulfide	2.310	76	5852	0.170	ug/L	99
15) Methyl Acetate	2.545	43	43631	12.549	ug/L #	48
25) Chloroform	4.397	83	1906	0.068	ug/L	84
29) 1,1,1-Trichloroethane	4.622	97	647	0.029	ug/L #	61
30) Cyclohexane	4.683	56	25615	1.545	ug/L #	79
35) Methylcyclohexane	6.137	83	40878	2.105	ug/L #	74
39) cis-1,3-Dichloropropene	6.989	75	1018	0.066	ug/L #	62
42) Toluene	7.394	91	69226	1.280	ug/L	97
45) 1,1,2-Trichloroethane	7.789	97	19103	2.164	ug/L #	21
52) Ethylbenzene	9.011	91	414368	7.642	ug/L	99
53) m,p-Xylene	9.143	106	78191	3.699	ug/L	98
54) o-Xylene	9.545	106	40911	1.998	ug/L	99
55) Styrene	9.542	104	2748	0.080	ug/L #	1
60) Isopropylbenzene	9.931	105	521711	9.528	ug/L #	67
61) 1,2,3-Trichloropropane	10.349	75	11116	1.668	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.538	105	403135	9.279	ug/L	100

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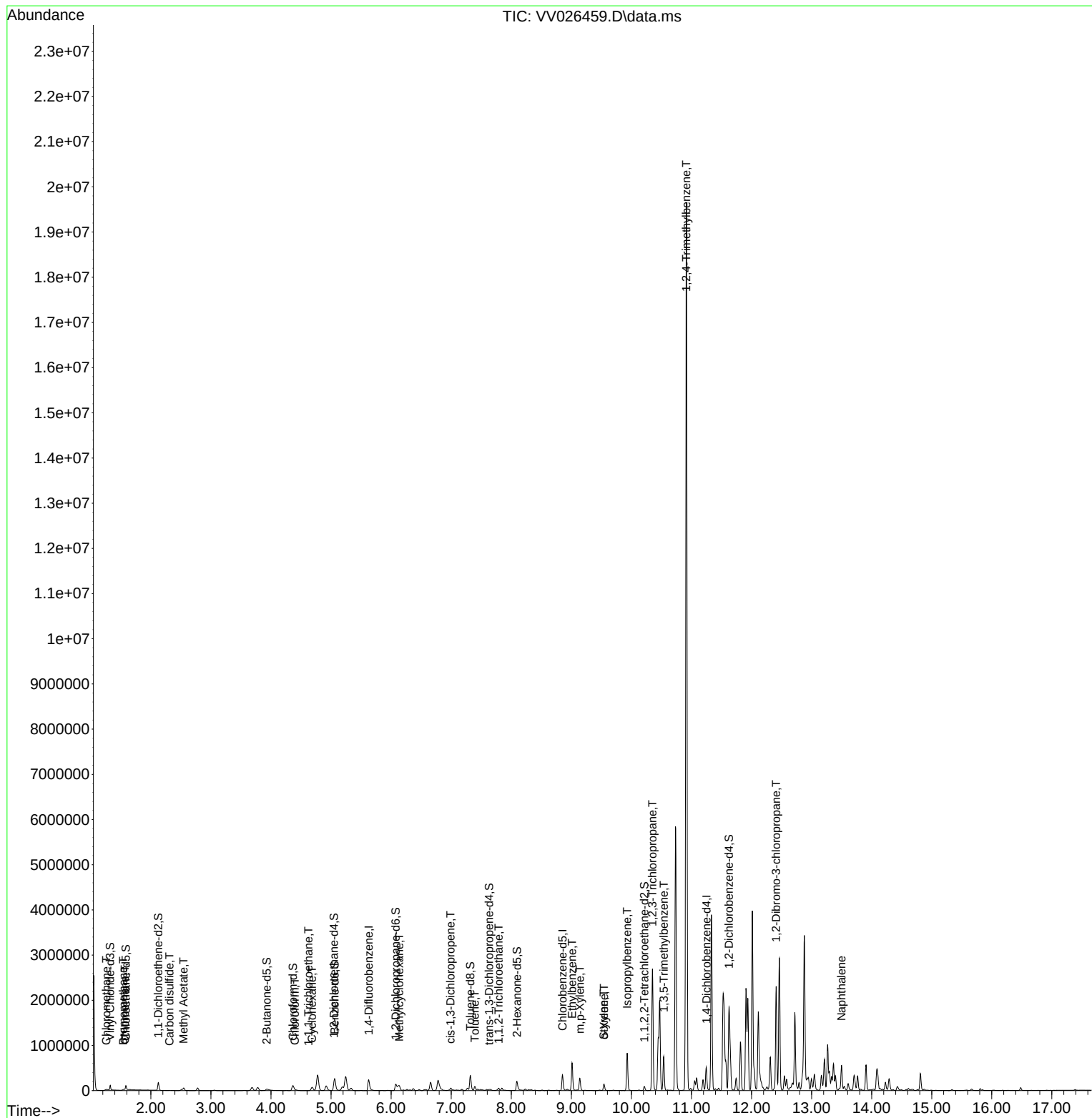
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.915	105	10304008	239.590	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.410	75	8421	7.133	ug/L #	3
71) Naphthalene	13.500	128	431584	21.664	ug/L	99

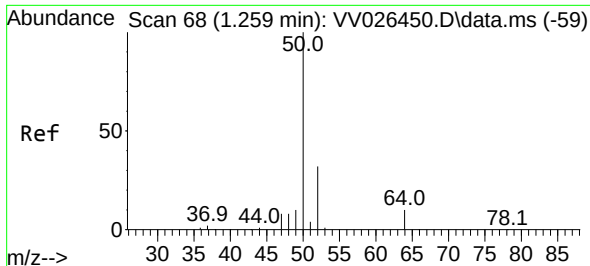
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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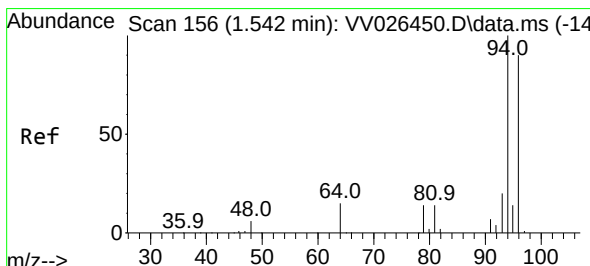
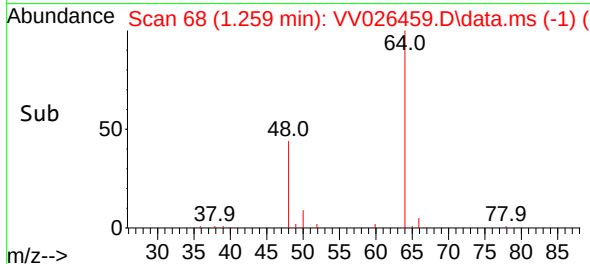
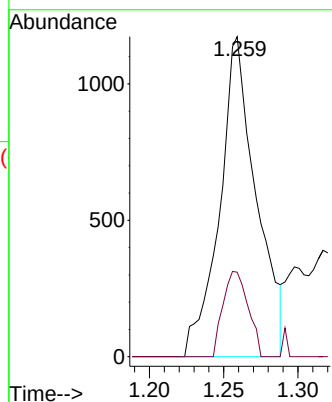
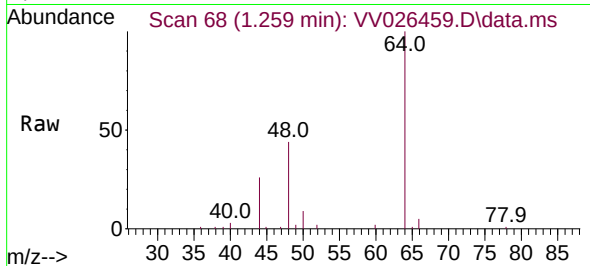




#3
Chloromethane
Concen: 0.110 ug/L
RT: 1.259 min Scan# 68
Delta R.T. 0.000 min
Lab File: VV026459.D
Acq: 20 Jun 2022 20:37

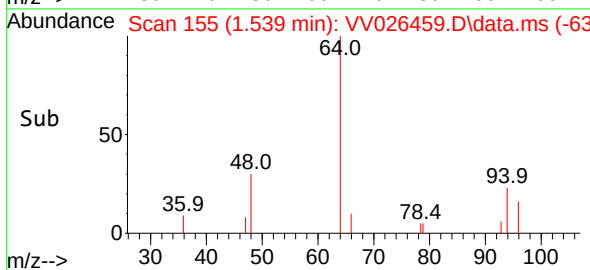
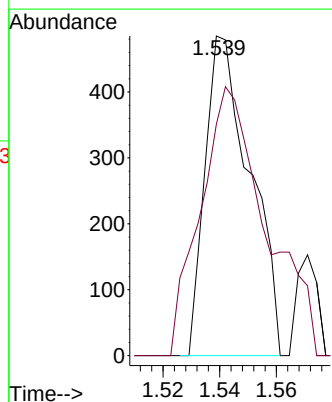
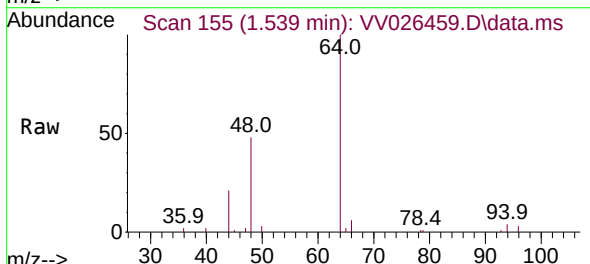
Instrument :
MSVOA_V
ClientSampleId :

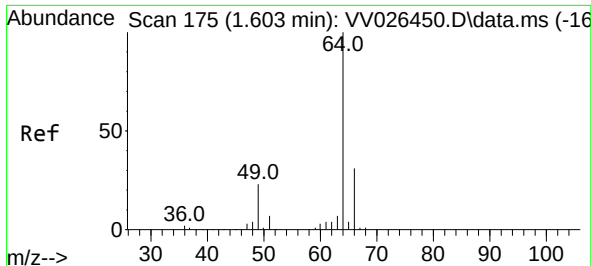
Tgt Ion: 50 Resp: 2009
Ion Ratio Lower Upper
50 100
52 26.4 23.7 44.1



#6
Bromomethane
Concen: 0.050 ug/L
RT: 1.539 min Scan# 155
Delta R.T. -0.003 min
Lab File: VV026459.D
Acq: 20 Jun 2022 20:37

Tgt Ion: 94 Resp: 535
Ion Ratio Lower Upper
94 100
96 72.4 65.7 121.9





#8

Chloroethane

Concen: 6.681 ug/L

RT: 1.568 min Scan# 1

Delta R.T. -0.035 min

Lab File: VV026459.D

Acq: 20 Jun 2022 20:37

Instrument :

MSVOA_V

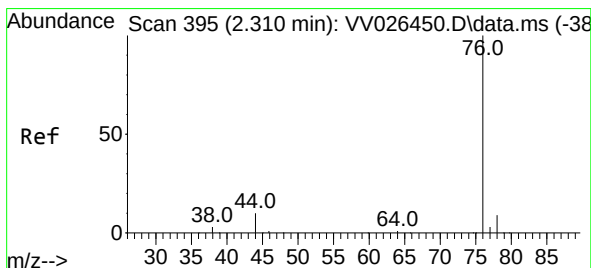
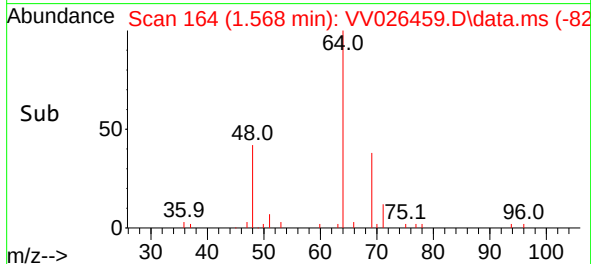
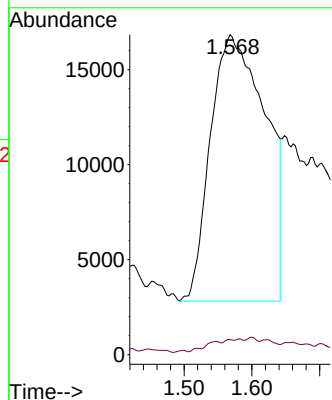
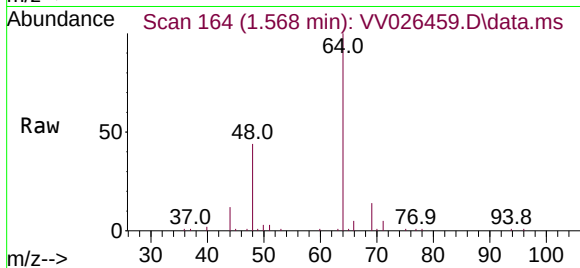
ClientSampleId :

Tgt Ion: 64 Resp: 78987

Ion Ratio Lower Upper

64 100

66 4.7 24.1 44.7#



#14

Carbon disulfide

Concen: 0.170 ug/L

RT: 2.310 min Scan# 395

Delta R.T. 0.000 min

Lab File: VV026459.D

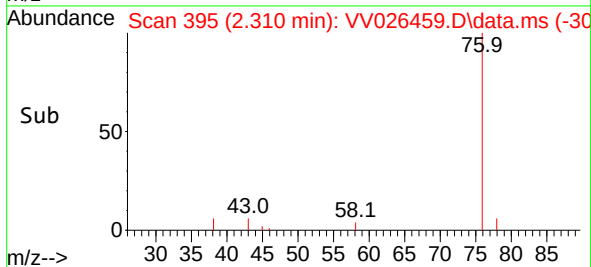
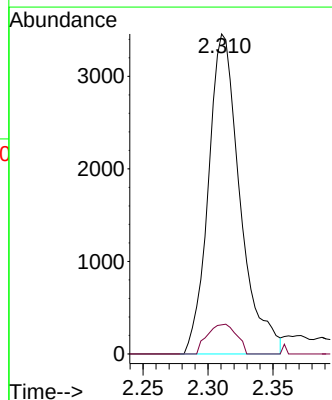
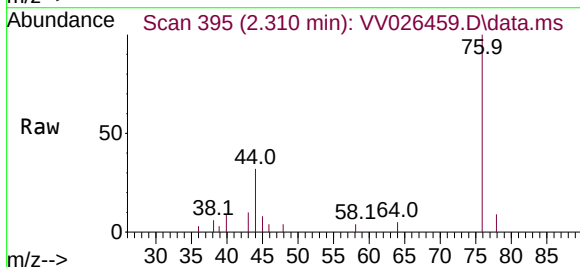
Acq: 20 Jun 2022 20:37

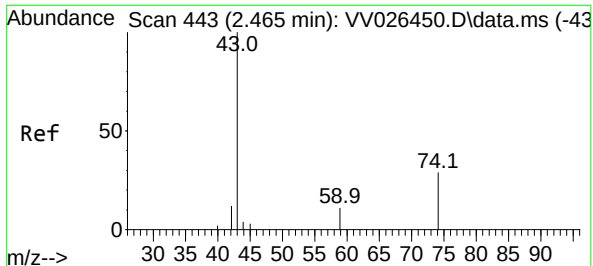
Tgt Ion: 76 Resp: 5852

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5

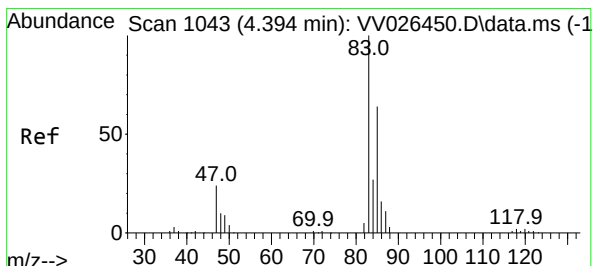
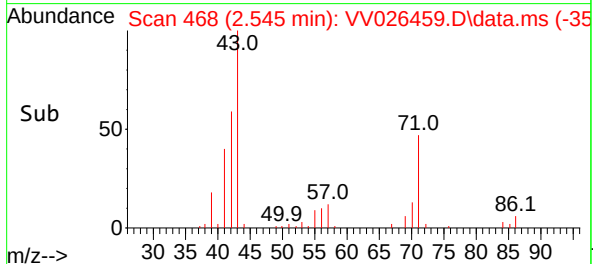
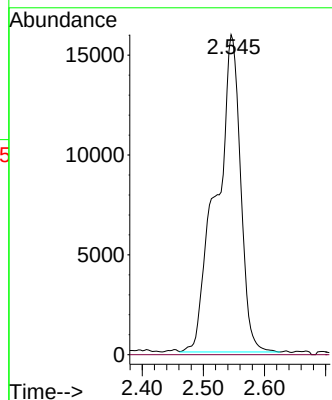
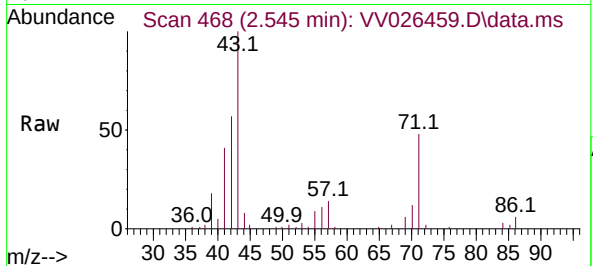




#15
Methyl Acetate
Concen: 12.549 ug/L
RT: 2.545 min Scan# 41
Delta R.T. 0.080 min
Lab File: VV026459.D
Acq: 20 Jun 2022 20:37

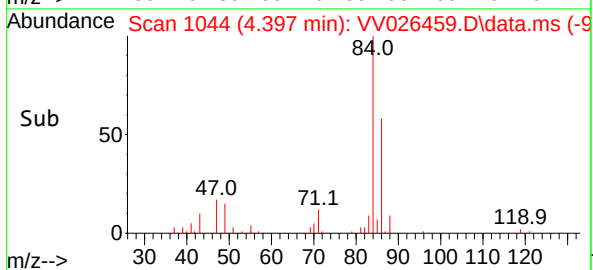
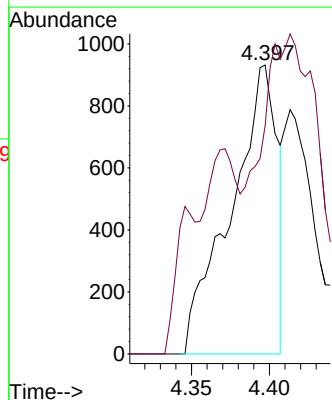
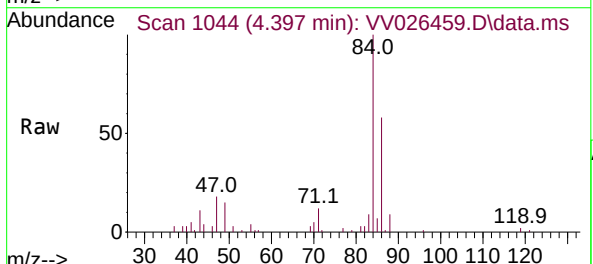
Instrument :
MSVOA_V
ClientSampleId :

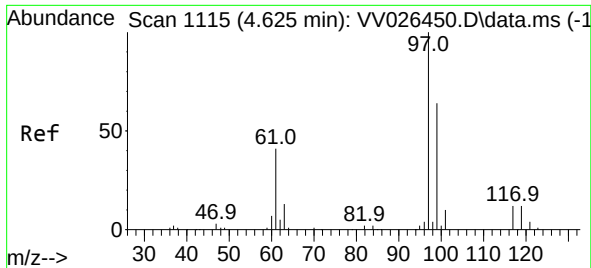
Tgt Ion: 43 Resp: 43631
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.0#



#25
Chloroform
Concen: 0.068 ug/L
RT: 4.397 min Scan# 1044
Delta R.T. 0.003 min
Lab File: VV026459.D
Acq: 20 Jun 2022 20:37

Tgt Ion: 83 Resp: 1906
Ion Ratio Lower Upper
83 100
85 79.1 46.5 86.3

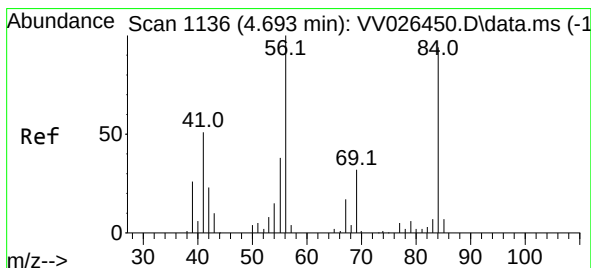
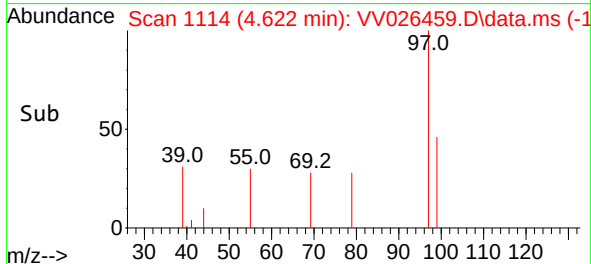
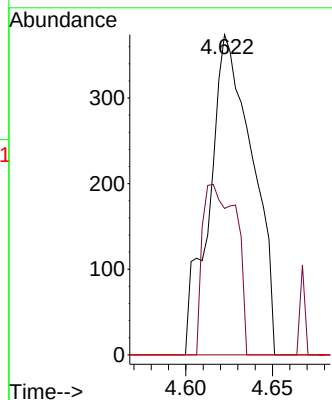
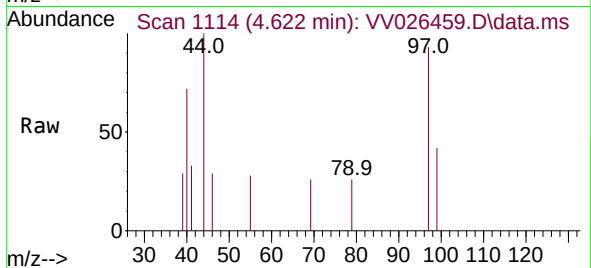




#29
1,1,1-Trichloroethane
Concen: 0.029 ug/L
RT: 4.622 min Scan# 1114
Delta R.T. -0.003 min
Lab File: VV026459.D
Acq: 20 Jun 2022 20:37

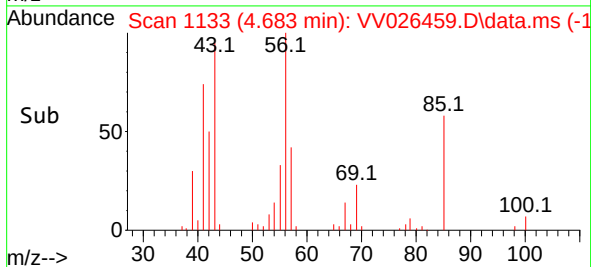
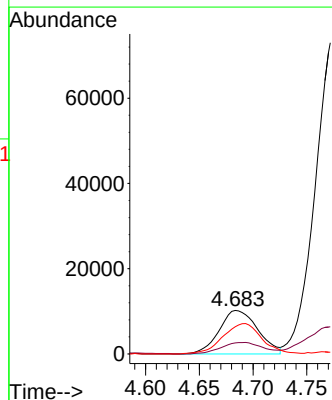
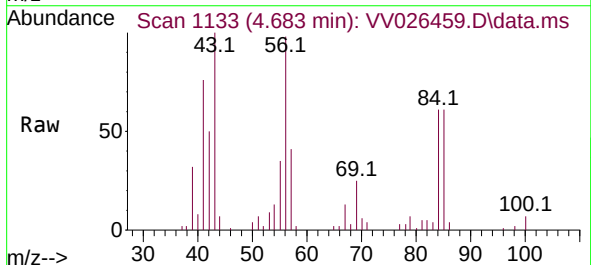
Instrument :
MSVOA_V
ClientSampleId :

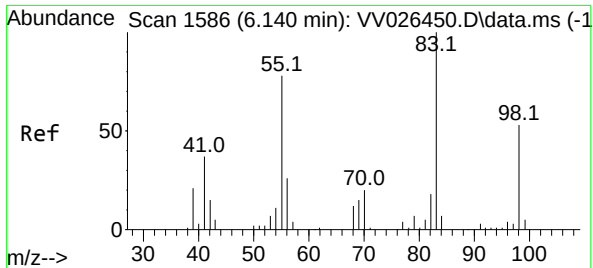
Tgt Ion: 97 Resp: 647
Ion Ratio Lower Upper
97 100
99 41.3 50.3 75.5#
61 6.3 33.4 50.0#



#30
Cyclohexane
Concen: 1.545 ug/L
RT: 4.683 min Scan# 1133
Delta R.T. -0.010 min
Lab File: VV026459.D
Acq: 20 Jun 2022 20:37

Tgt Ion: 56 Resp: 25615
Ion Ratio Lower Upper
56 100
69 28.8 24.9 37.3
84 70.2 76.4 114.6#





#35

Methylcyclohexane

Concen: 2.105 ug/L

RT: 6.137 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV026459.D

Acq: 20 Jun 2022 20:37

Instrument :

MSVOA_V

ClientSampleId :

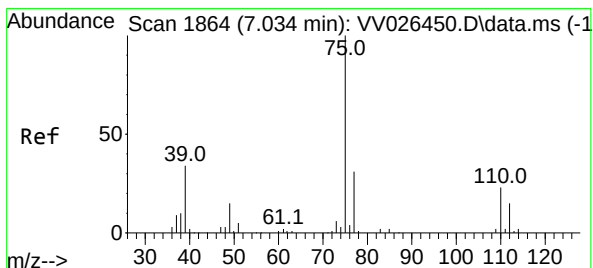
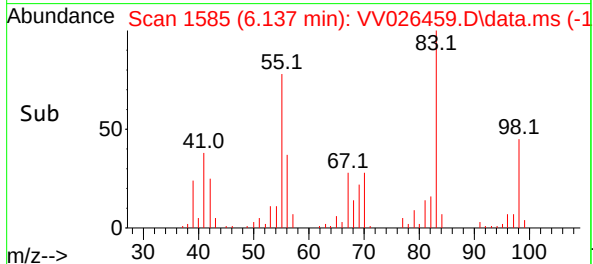
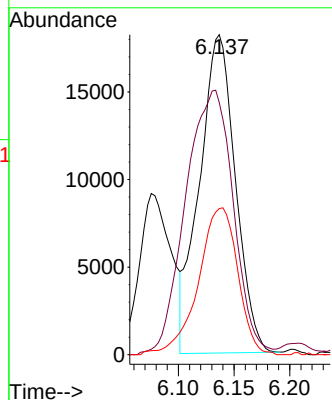
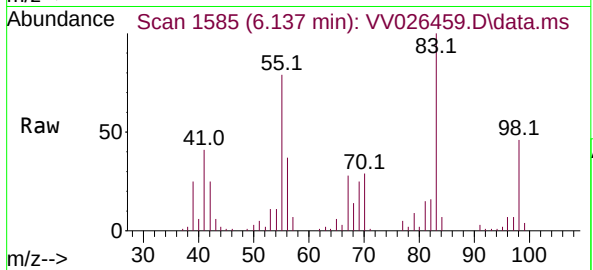
Tgt Ion: 83 Resp: 40878

Ion Ratio Lower Upper

83 100

55 109.9 59.3 88.9#

98 50.6 39.9 59.9



#39

cis-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.045 min

Lab File: VV026459.D

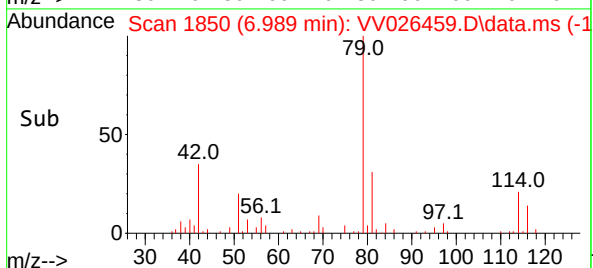
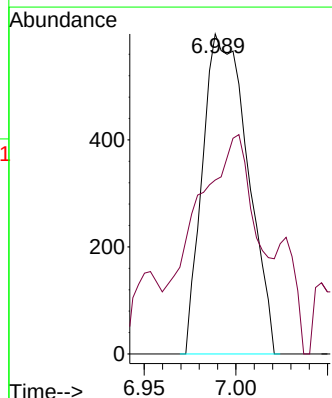
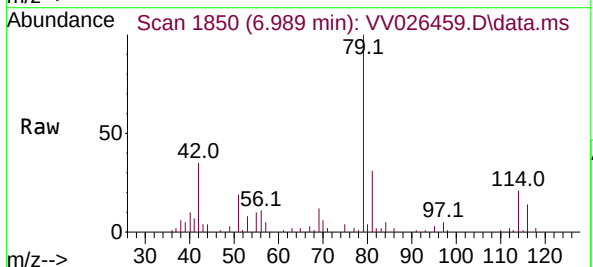
Acq: 20 Jun 2022 20:37

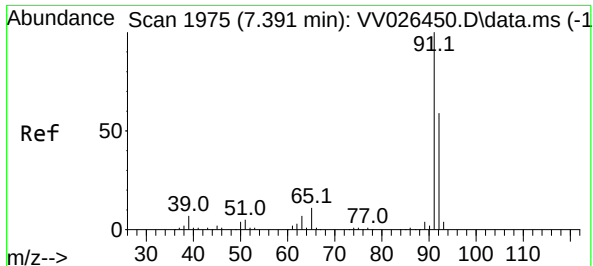
Tgt Ion: 75 Resp: 1018

Ion Ratio Lower Upper

75 100

77 54.3 23.0 42.6#





#42

Toluene

Concen: 1.280 ug/L

RT: 7.394 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV026459.D

Acq: 20 Jun 2022 20:37

Instrument :

MSVOA_V

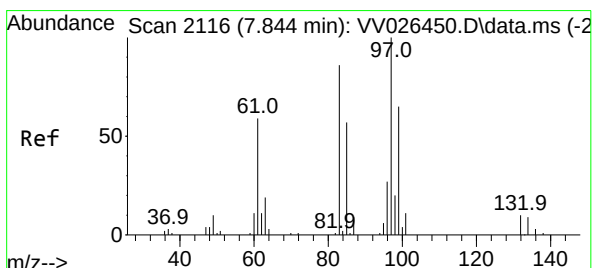
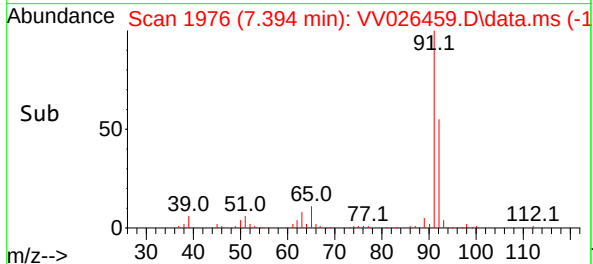
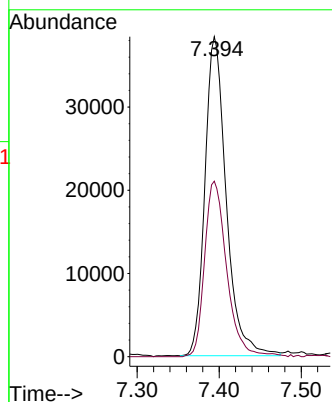
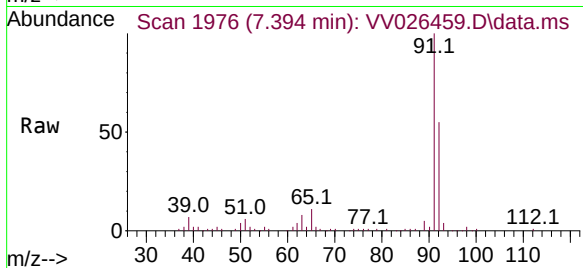
ClientSampleId :

Tgt Ion: 91 Resp: 69226

Ion Ratio Lower Upper

91 100

92 54.9 40.1 74.5



#45

1,1,2-Trichloroethane

Concen: 2.164 ug/L

RT: 7.789 min Scan# 2099

Delta R.T. -0.055 min

Lab File: VV026459.D

Acq: 20 Jun 2022 20:37

Tgt Ion: 97 Resp: 19103

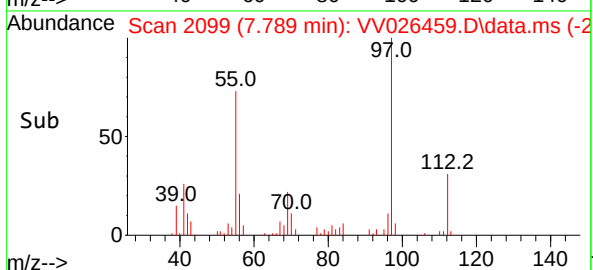
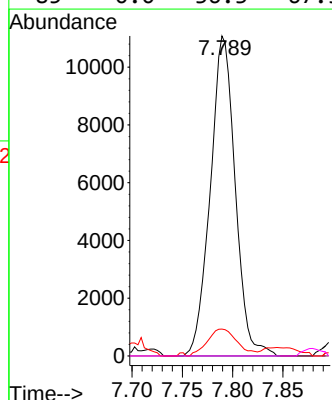
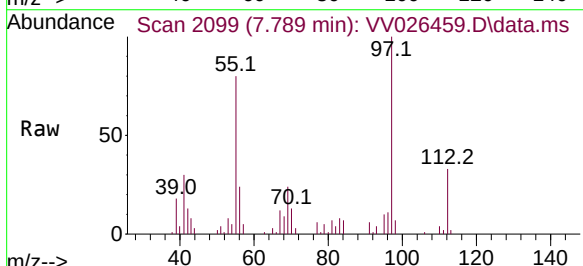
Ion Ratio Lower Upper

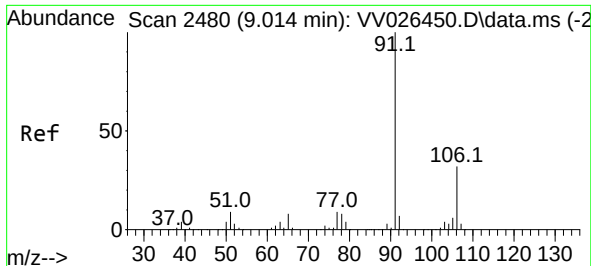
97 100

99 0.0 42.4 78.6#

83 8.4 56.1 104.1#

85 0.0 36.3 67.5#





#52

Ethylbenzene

Concen: 7.642 ug/L

RT: 9.011 min Scan# 24

Delta R.T. -0.003 min

Lab File: VV026459.D

Acq: 20 Jun 2022 20:37

Instrument :

MSVOA_V

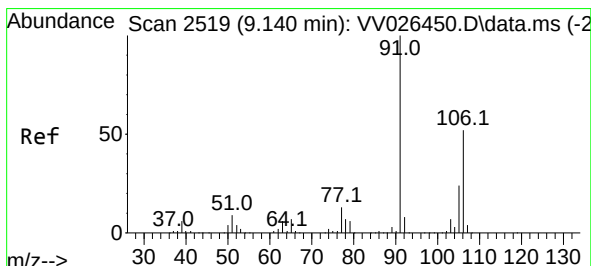
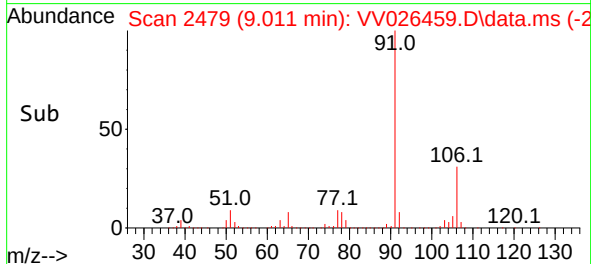
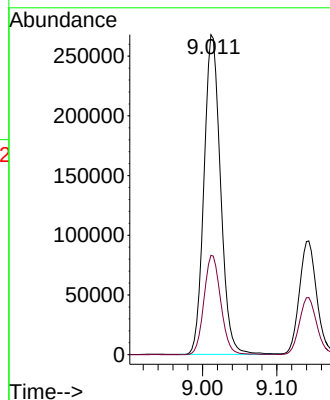
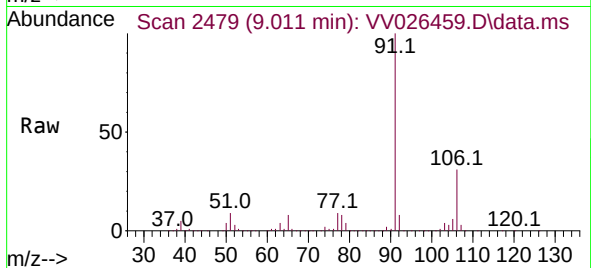
ClientSampleId :

Tgt Ion: 91 Resp: 414368

Ion Ratio Lower Upper

91 100

106 31.1 21.6 40.0



#53

m,p-Xylene

Concen: 3.699 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.003 min

Lab File: VV026459.D

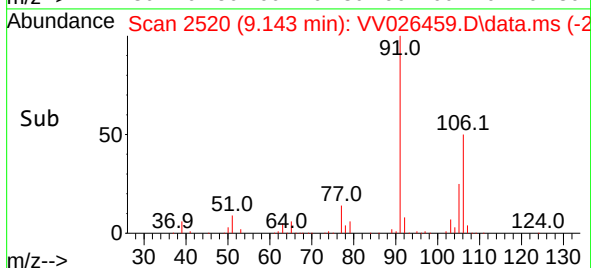
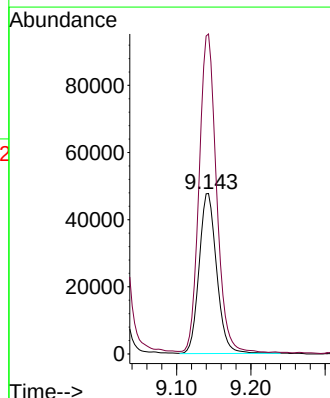
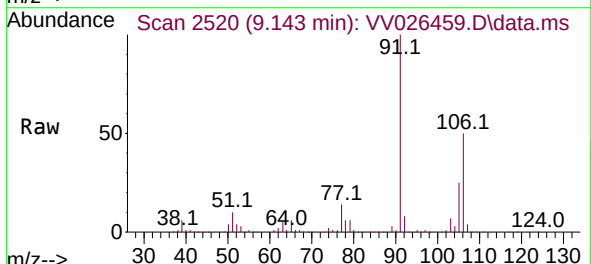
Acq: 20 Jun 2022 20:37

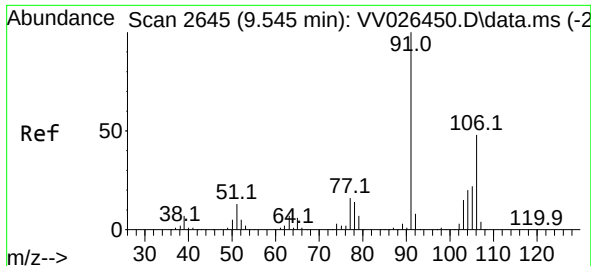
Tgt Ion: 106 Resp: 78191

Ion Ratio Lower Upper

106 100

91 199.3 141.3 262.3

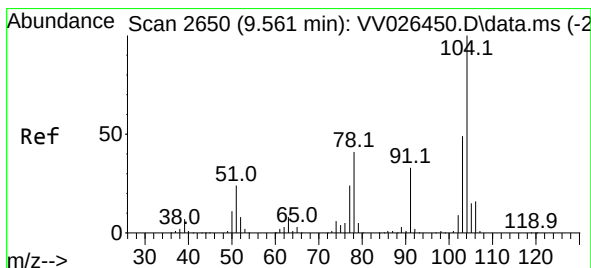
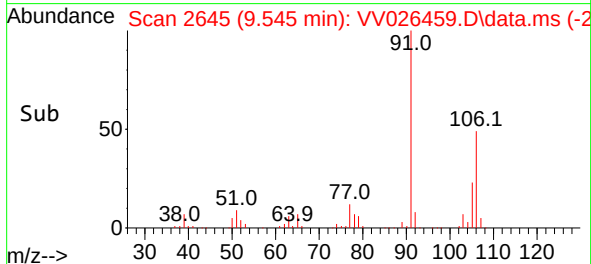
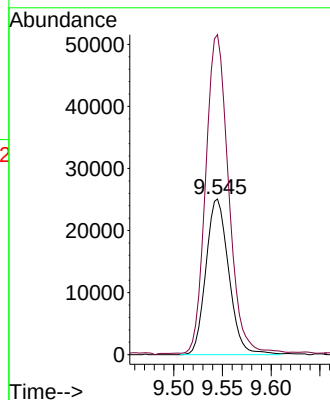
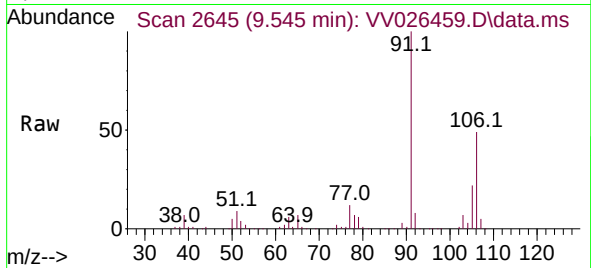




#54
o-Xylene
Concen: 1.998 ug/L
RT: 9.545 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV026459.D
Acq: 20 Jun 2022 20:37

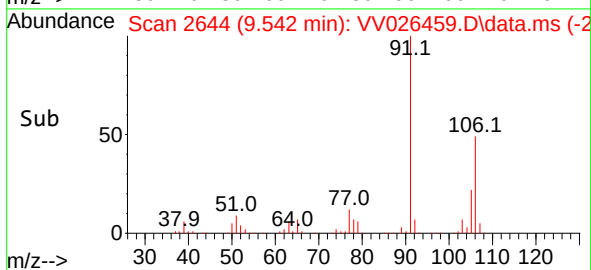
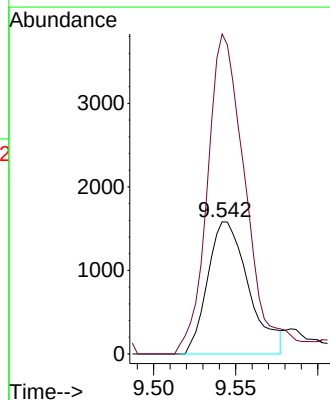
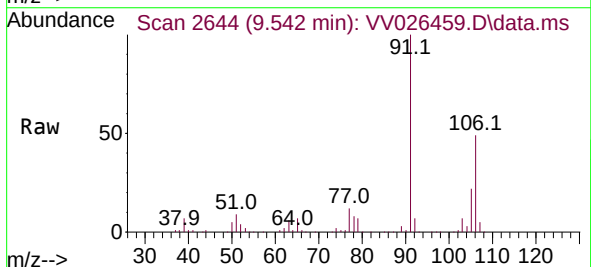
Instrument :
MSVOA_V
ClientSampleId :

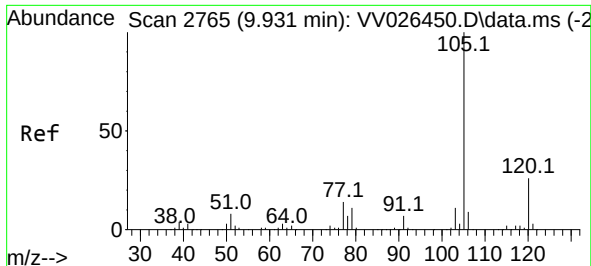
Tgt Ion:106 Resp: 40911
Ion Ratio Lower Upper
106 100
91 205.6 143.3 266.1



#55
Styrene
Concen: 0.080 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.019 min
Lab File: VV026459.D
Acq: 20 Jun 2022 20:37

Tgt Ion:104 Resp: 2748
Ion Ratio Lower Upper
104 100
78 242.0 29.5 54.7#

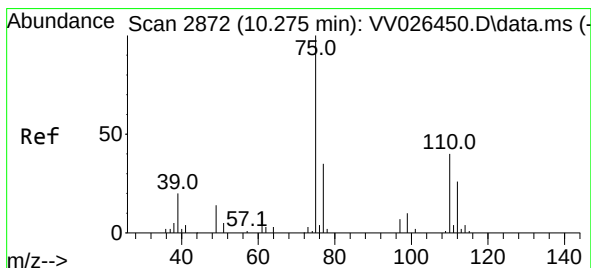
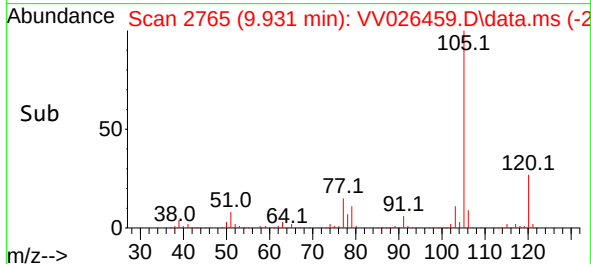
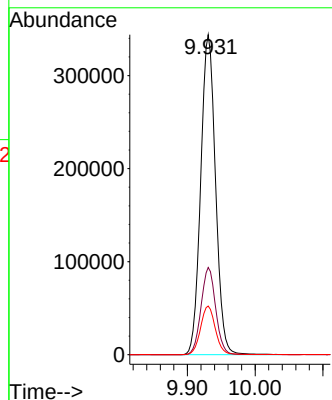
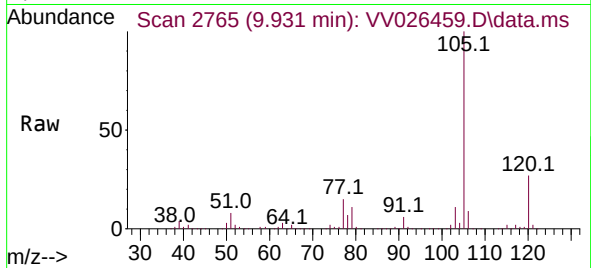




#60
Isopropylbenzene
Concen: 9.528 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV026459.D
Acq: 20 Jun 2022 20:37

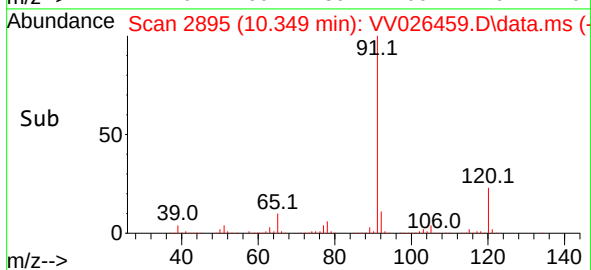
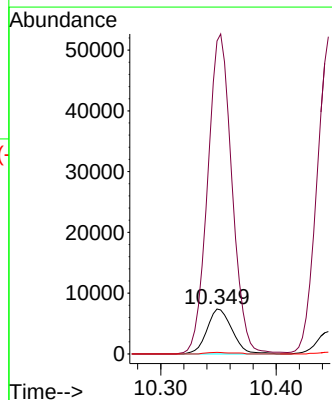
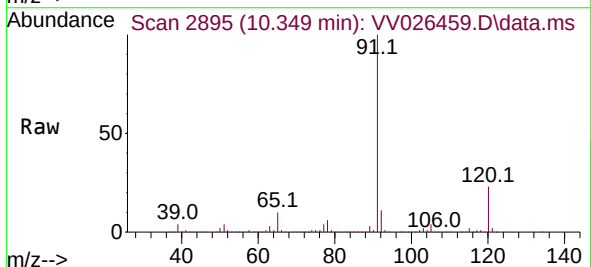
Instrument :
MSVOA_V
ClientSampleId :

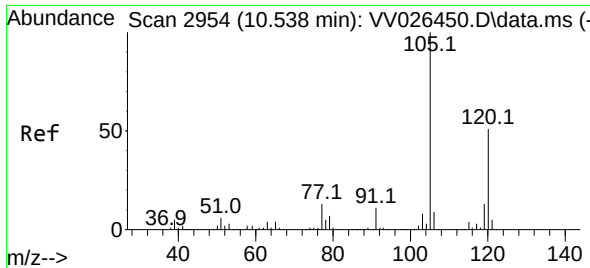
Tgt Ion:105 Resp: 521711
Ion Ratio Lower Upper
105 100
120 0.0 21.5 32.3#
77 15.3 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 1.668 ug/L
RT: 10.349 min Scan# 2895
Delta R.T. 0.074 min
Lab File: VV026459.D
Acq: 20 Jun 2022 20:37

Tgt Ion: 75 Resp: 11116
Ion Ratio Lower Upper
75 100
77 693.2 26.9 40.3#
110 3.8 30.7 46.1#

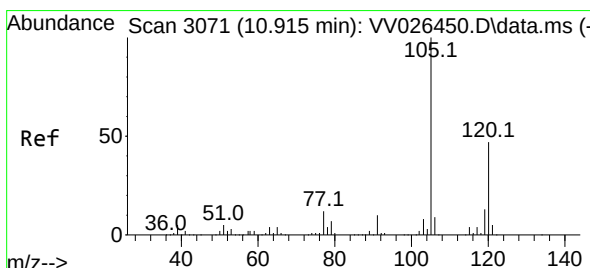
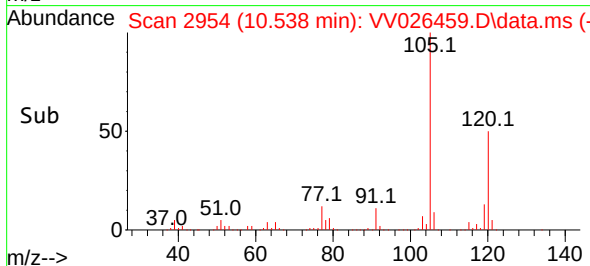
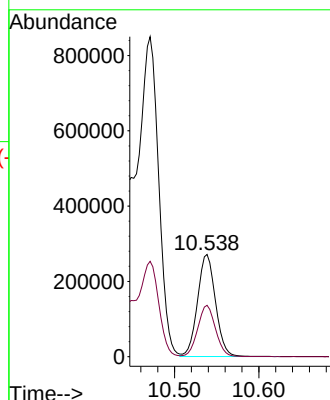
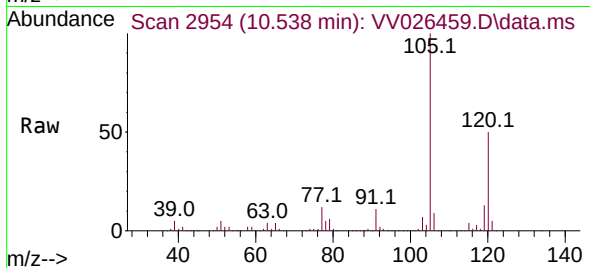




#62
1,3,5-Trimethylbenzene
Concen: 9.279 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV026459.D
Acq: 20 Jun 2022 20:37

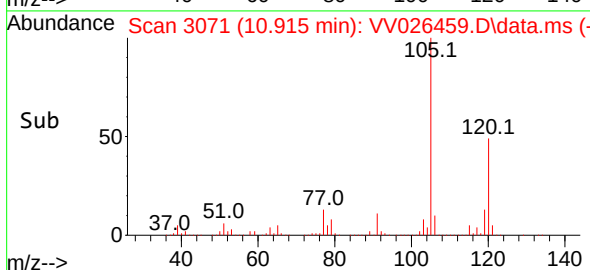
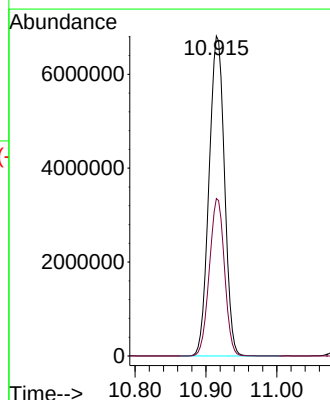
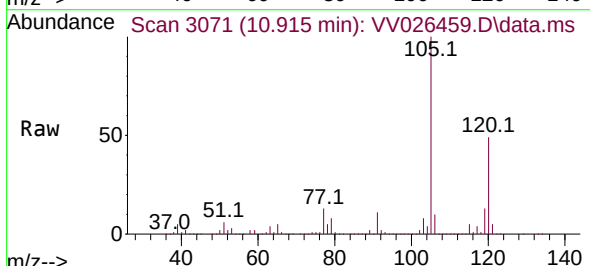
Instrument :
MSVOA_V
ClientSampleId :

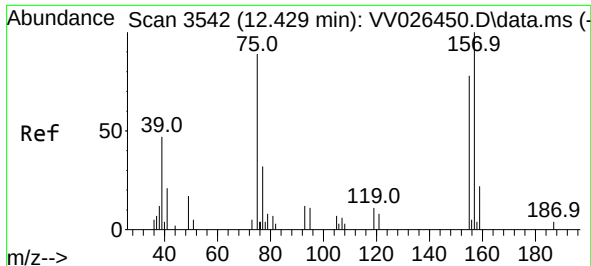
Tgt Ion:105 Resp: 403135
Ion Ratio Lower Upper
105 100
120 49.6 39.9 59.9



#63
1,2,4-Trimethylbenzene
Concen: 239.590 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV026459.D
Acq: 20 Jun 2022 20:37

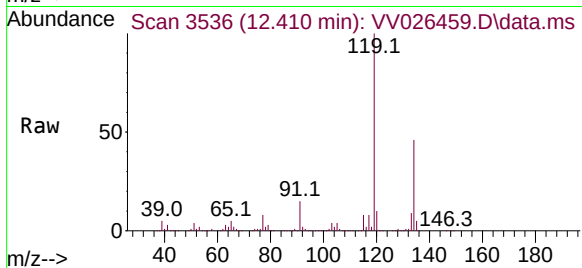
Tgt Ion:105 Resp:10304008
Ion Ratio Lower Upper
105 100
120 48.1 36.9 55.3



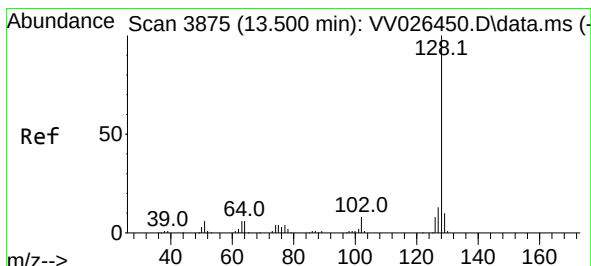
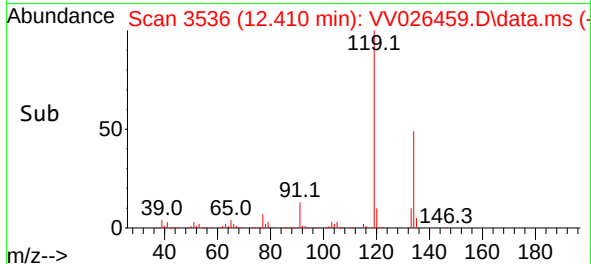
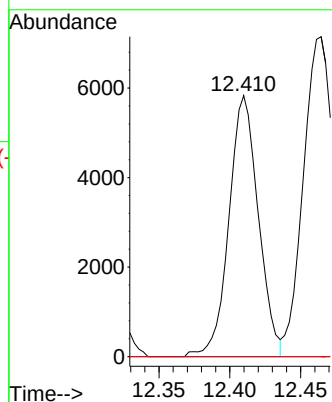


#68
 1,2-Dibromo-3-chloropropane
 Concen: 7.133 ug/L
 RT: 12.410 min Scan# 3536
 Delta R.T. -0.019 min
 Lab File: VV026459.D
 Acq: 20 Jun 2022 20:37

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 8421
 Ion Ratio Lower Upper
 75 100
 155 0.0 63.7 95.5#
 157 0.0 85.0 127.6#



#71
 Naphthalene
 Concen: 21.664 ug/L
 RT: 13.500 min Scan# 3875
 Delta R.T. 0.000 min
 Lab File: VV026459.D
 Acq: 20 Jun 2022 20:37

Tgt Ion: 128 Resp: 431584
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.7 13.1
 127 12.7 10.6 16.0

