

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062322\
 Data File : VY009288.D
 Acq On : 23 Jun 2022 12:28
 Operator : KP/MD
 Sample : N3467-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 QA-QC-COMP-XRDS008-22

Quant Time: Jun 24 09:22:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 14:08:27 2022
 Response via : Initial Calibration

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

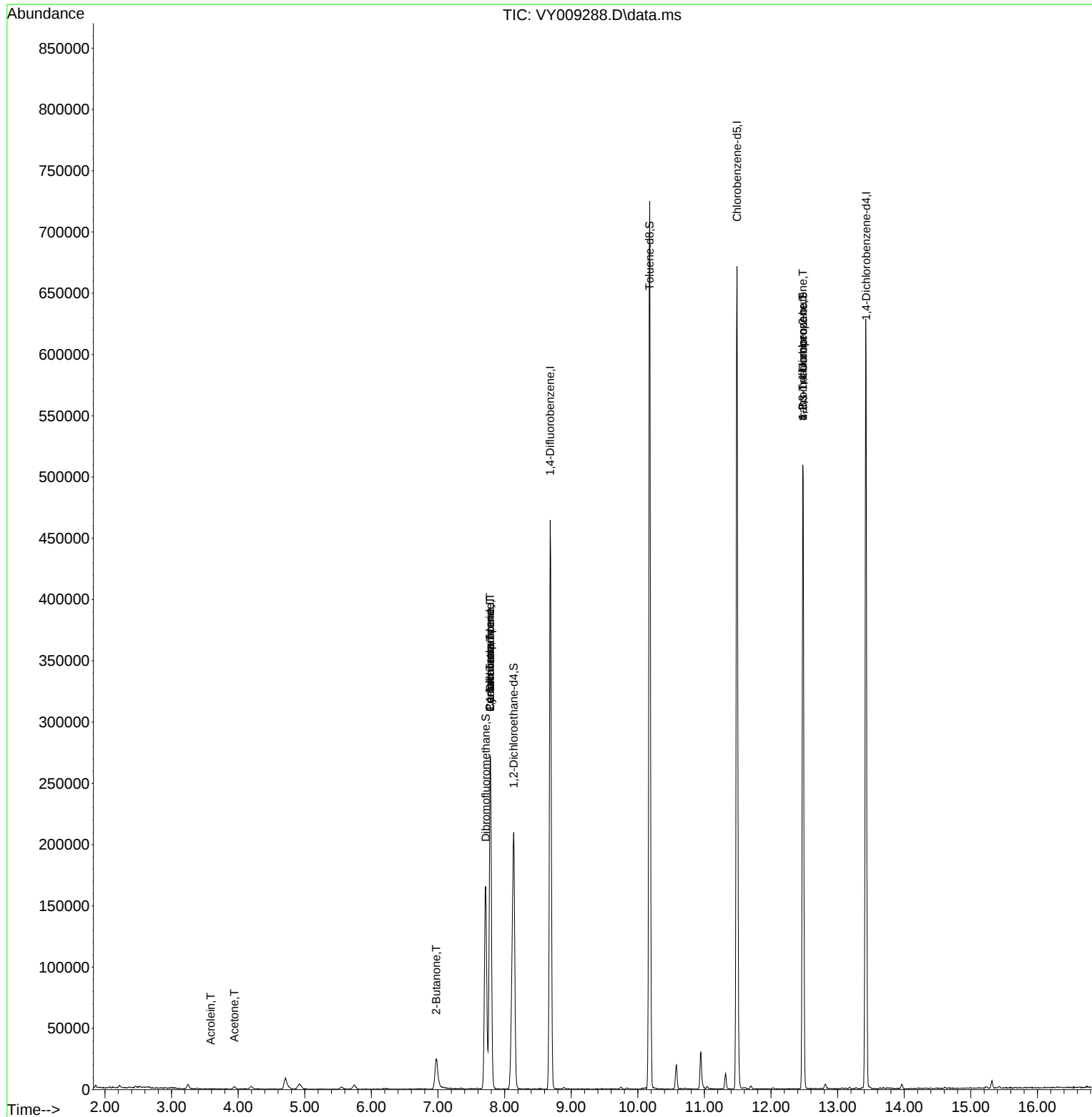
Internal Standards						
1) Pentafluorobenzene	7.783	168	220181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	390745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	364757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	160434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	130079	53.792	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.580%			
35) Dibromofluoromethane	7.716	113	119468	47.210	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.420%			
50) Toluene-d8	10.179	98	464949	47.829	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.660%			
62) 4-Bromofluorobenzene	12.477	95	158650	46.445	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.880%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.917	59	4577	Below Cal	#	77
13) Acrolein	3.588	56	49	30.456	ug/l #	14
16) Acetone	3.942	43	3103	5.194	ug/l	92
18) Methyl Acetate	4.491	43	121	Below Cal	#	56
20) Methylene Chloride	4.710	84	6094	Below Cal	#	80
25) 2-Butanone	6.972	43	1818	1.884	ug/l #	90
31) Cyclohexane	7.783	56	4377	1.043	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16430	4.266	ug/l #	50
38) Carbon Tetrachloride	7.783	117	20332	5.077	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	79627	42.334	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	79627	89.762	ug/l #	7

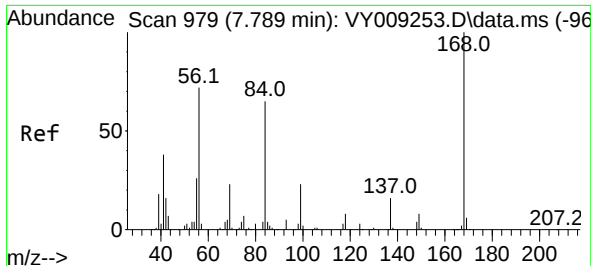
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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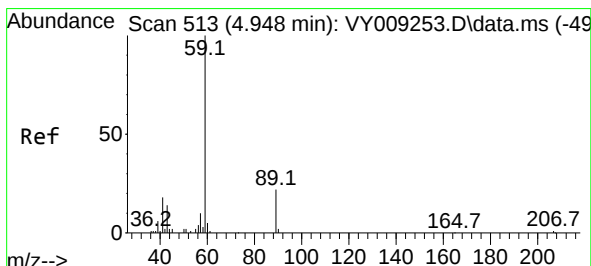
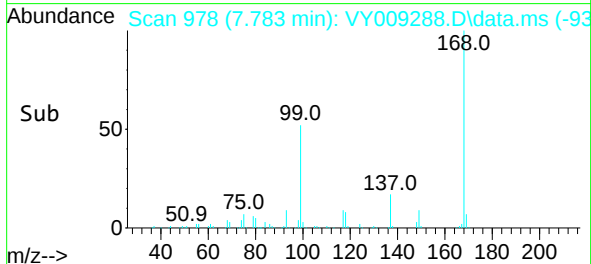
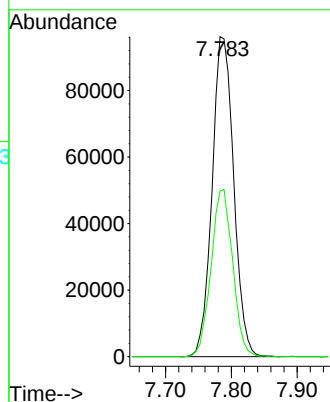
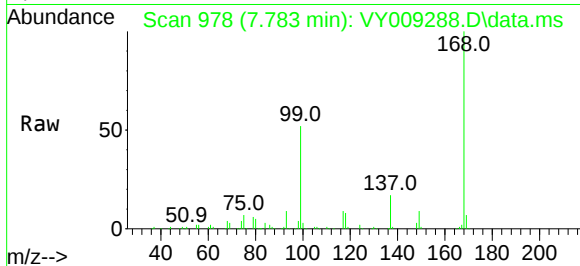




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

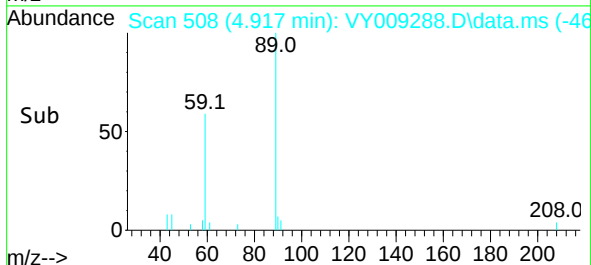
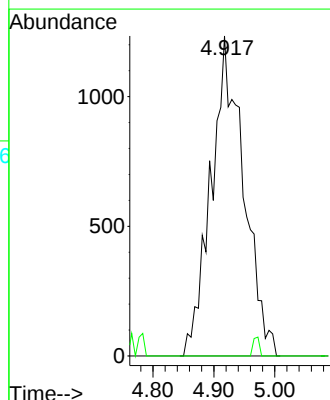
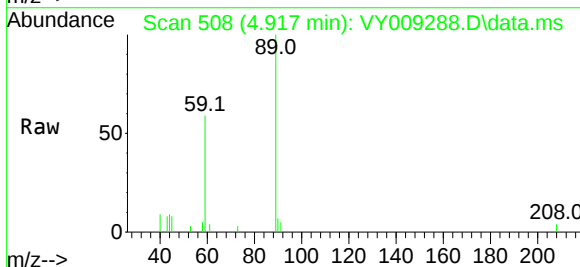
Instrument :
MSVOA_Y
ClientSampleId :
QA-QC-COMP-XRDS008-22

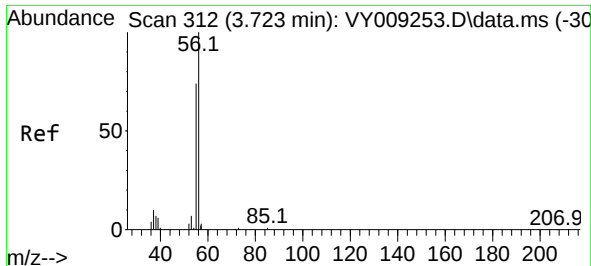
Tgt Ion:168 Resp: 220181
Ion Ratio Lower Upper
168 100
99 51.7 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 508
Delta R.T. -0.031 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

Tgt Ion: 59 Resp: 4577
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

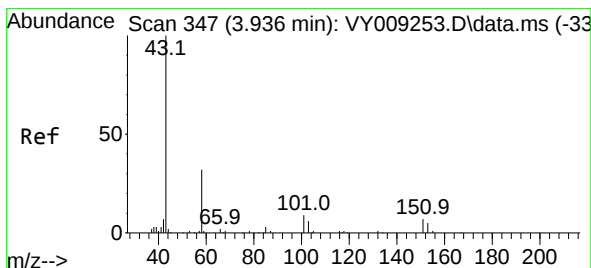
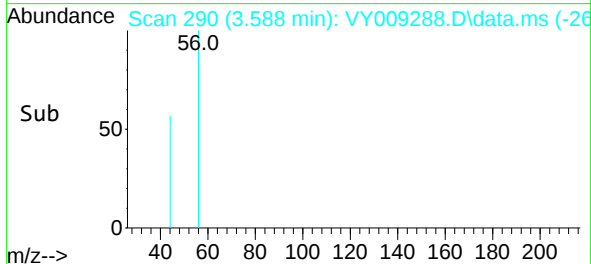
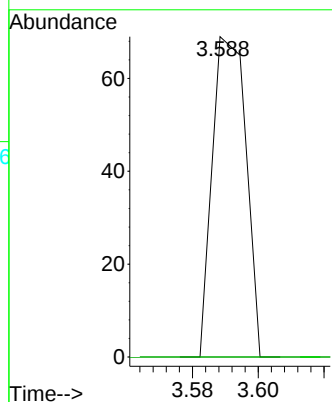
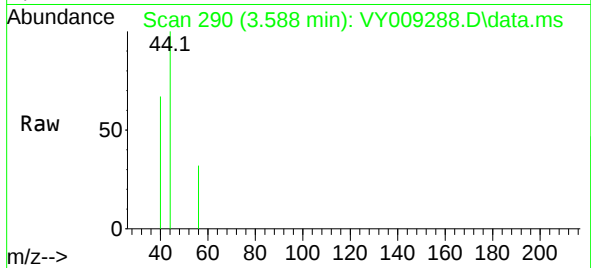




#13
Acrolein
Concen: 30.456 ug/l
RT: 3.588 min Scan# 290
Delta R.T. -0.135 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

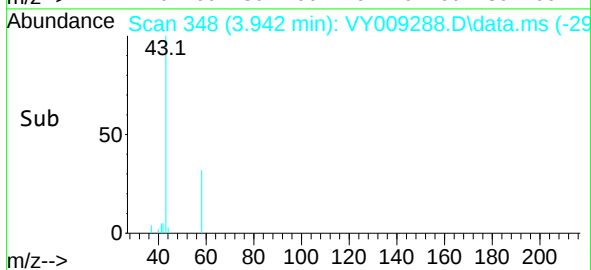
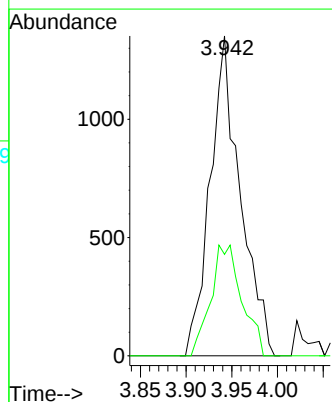
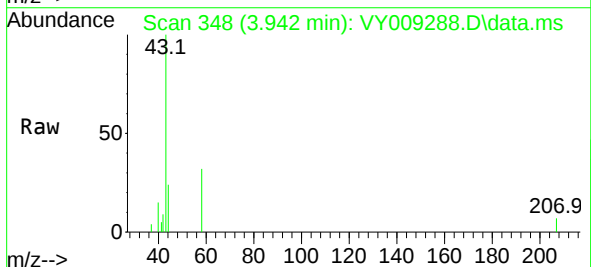
Instrument :
MSVOA_Y
ClientSampleId :
QA-QC-COMP-XRDS008-22

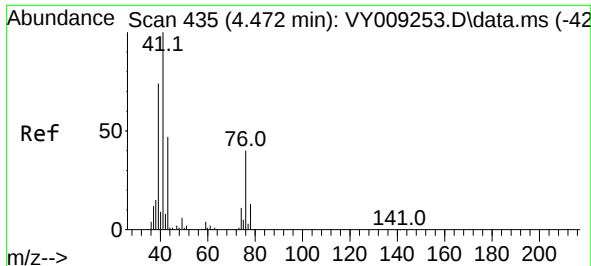
Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 5.194 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

Tgt Ion: 43 Resp: 3103
Ion Ratio Lower Upper
43 100
58 31.7 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.491 min Scan# 41

Delta R.T. 0.019 min

Lab File: VY009288.D

Acq: 23 Jun 2022 12:28

Instrument :

MSVOA_Y

ClientSampleId :

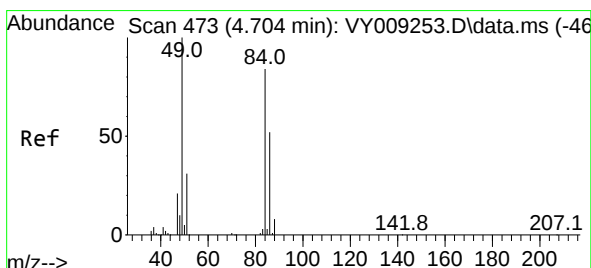
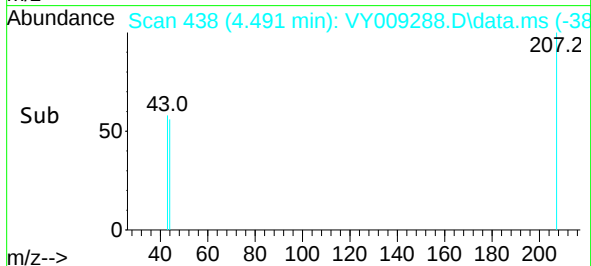
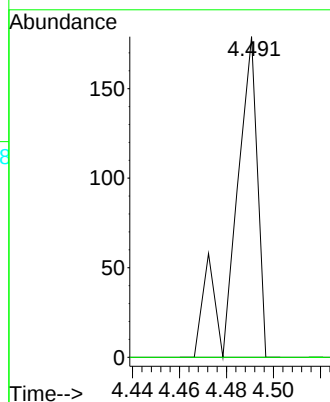
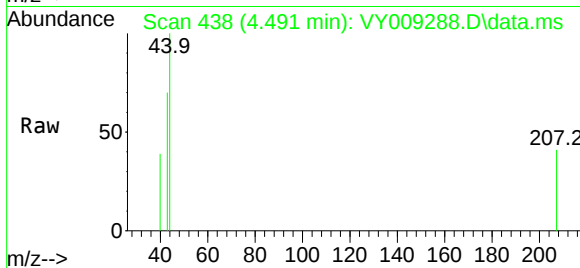
QA-QC-COMP-XRDS008-22

Tgt Ion: 43 Resp: 121

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY009288.D

Acq: 23 Jun 2022 12:28

Tgt Ion: 84 Resp: 6094

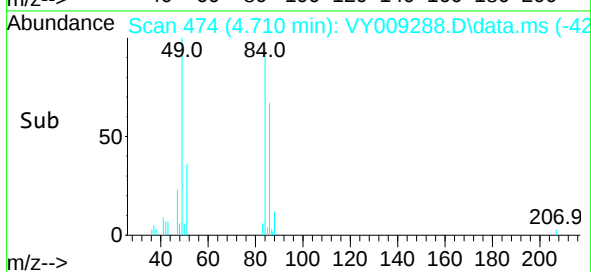
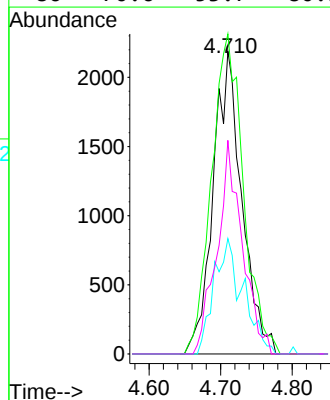
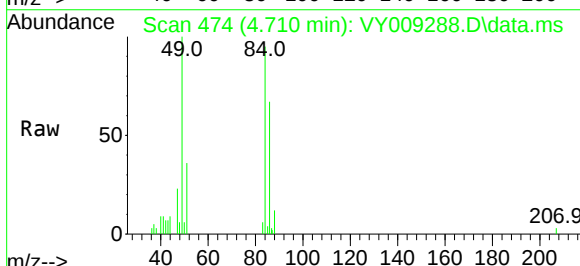
Ion Ratio Lower Upper

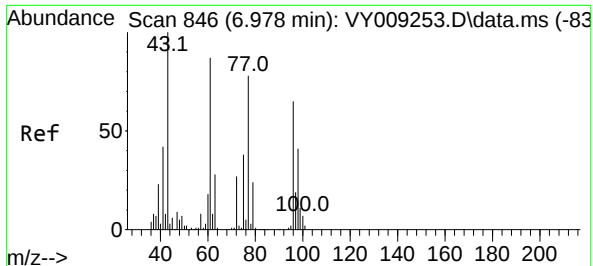
84 100

49 105.7 114.4 171.6#

51 38.1 35.3 52.9

86 70.6 53.7 80.5

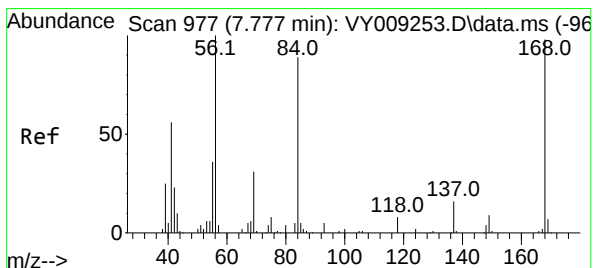
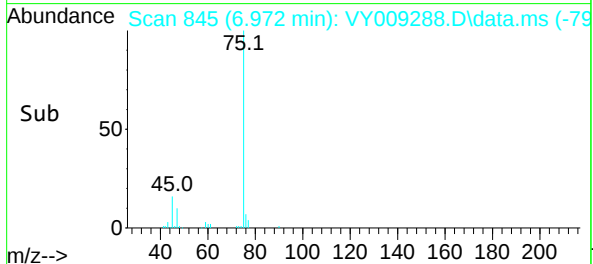
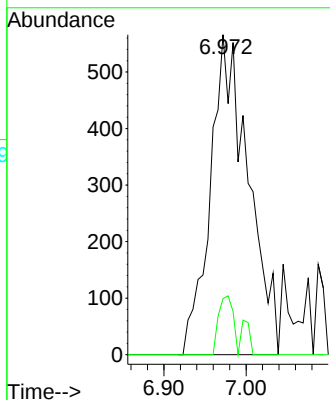
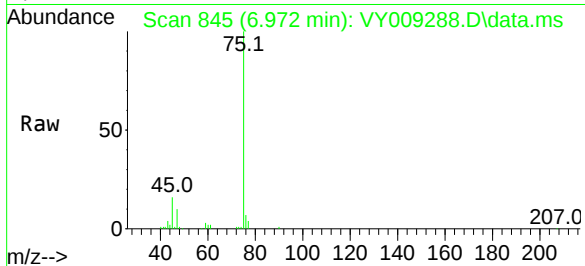




#25
2-Butanone
Concen: 1.884 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

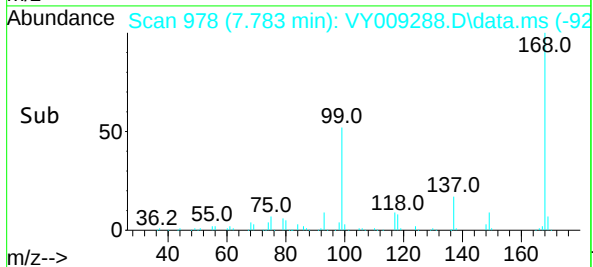
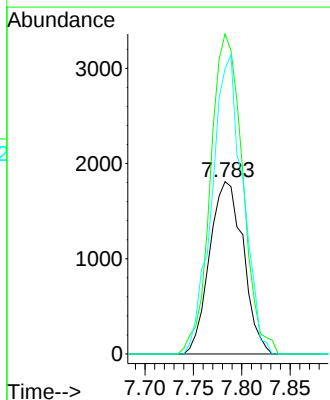
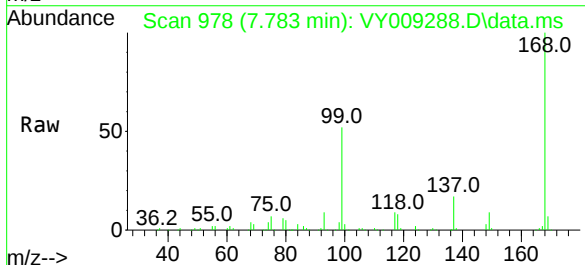
Instrument : MSVOA_Y
ClientSampleId : QA-QC-COMP-XRDS008-22

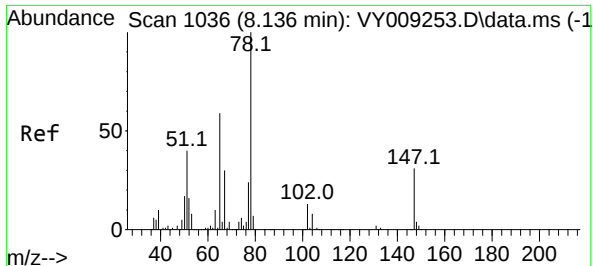
Tgt Ion: 43 Resp: 1818
Ion Ratio Lower Upper
43 100
72 17.5 17.7 26.5#



#31
Cyclohexane
Concen: 1.043 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

Tgt Ion: 56 Resp: 4377
Ion Ratio Lower Upper
56 100
69 185.7 26.7 40.1#
84 165.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 53.792 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY009288.D

Acq: 23 Jun 2022 12:28

Instrument :

MSVOA_Y

ClientSampleId :

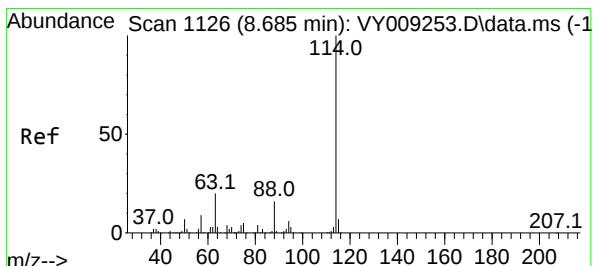
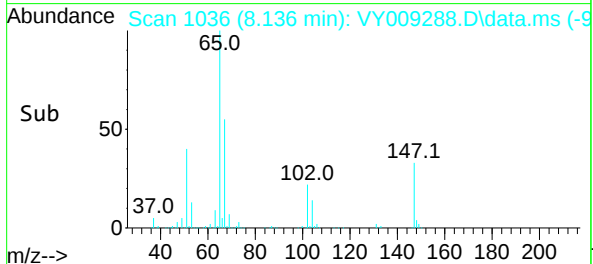
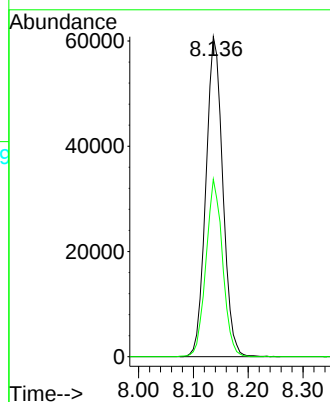
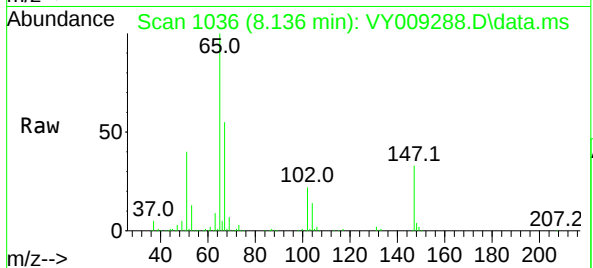
QA-QC-COMP-XRDS008-22

Tgt Ion: 65 Resp: 130079

Ion Ratio Lower Upper

65 100

67 54.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009288.D

Acq: 23 Jun 2022 12:28

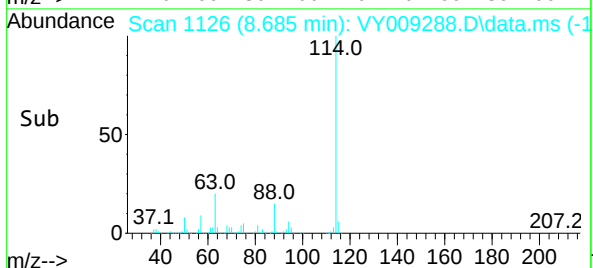
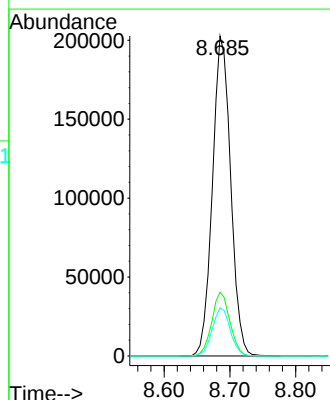
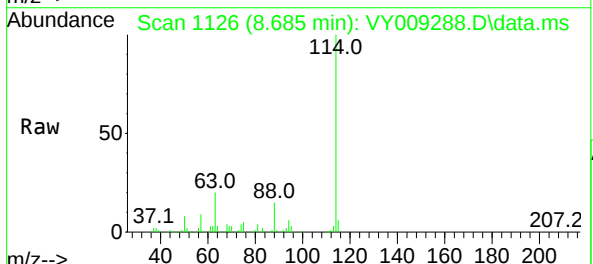
Tgt Ion: 114 Resp: 390745

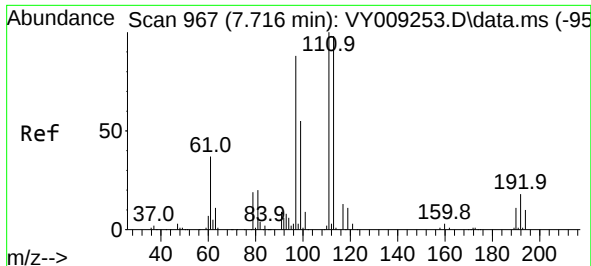
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.1 0.0 31.8

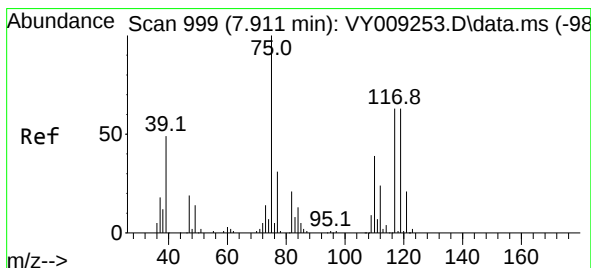
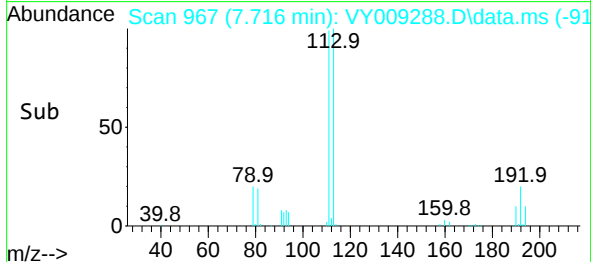
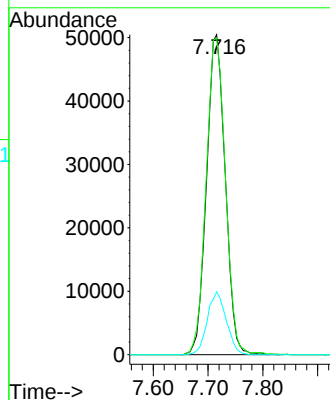
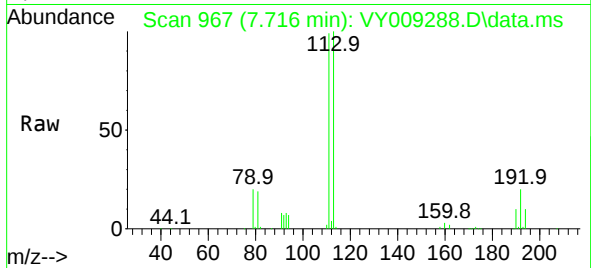




#35
Dibromofluoromethane
Concen: 47.210 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

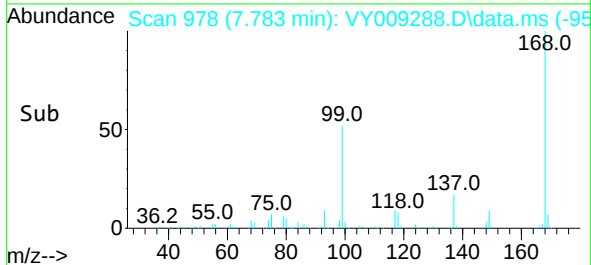
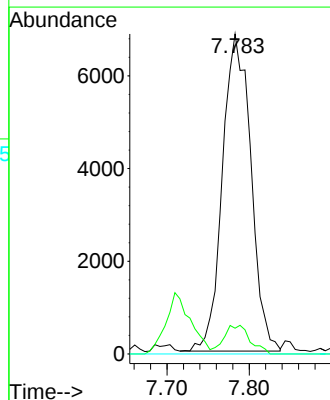
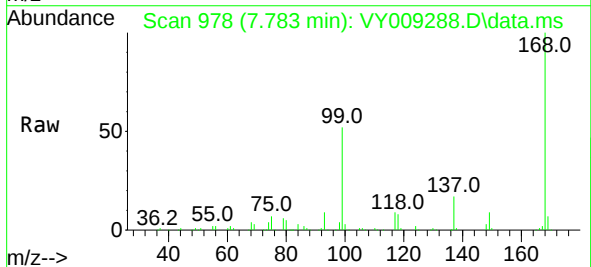
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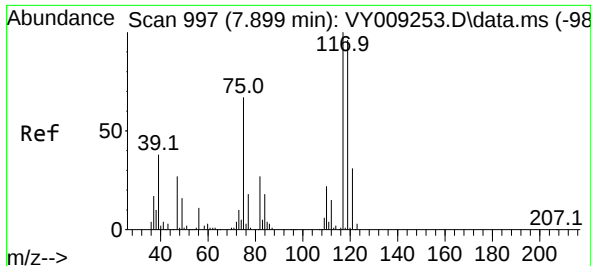
Tgt Ion:113 Resp: 119468
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 19.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.266 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

Tgt Ion: 75 Resp: 16430
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.0 24.4 36.6#

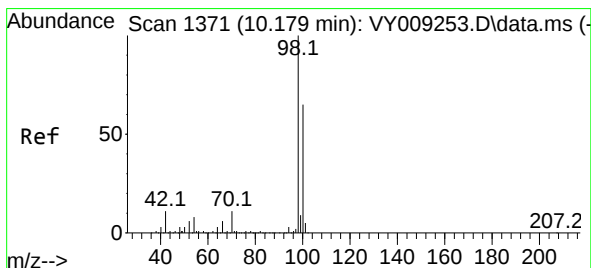
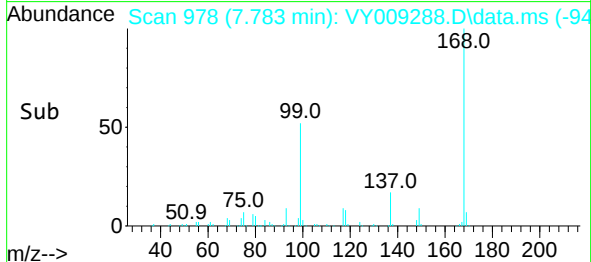
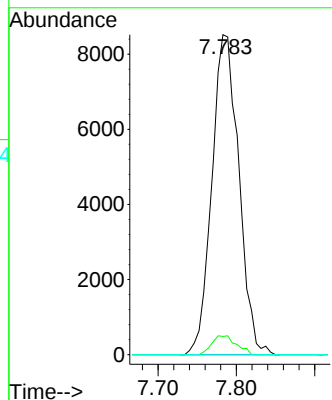
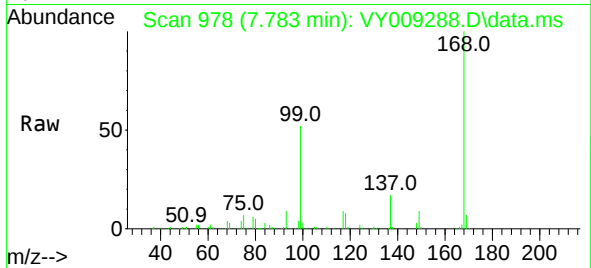




#38
Carbon Tetrachloride
Concen: 5.077 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

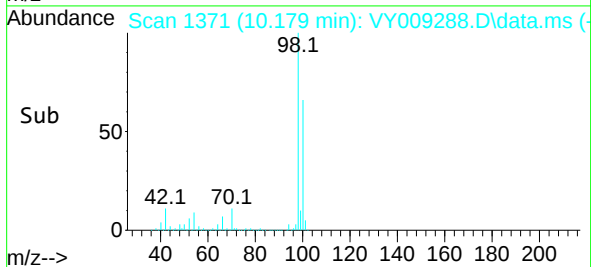
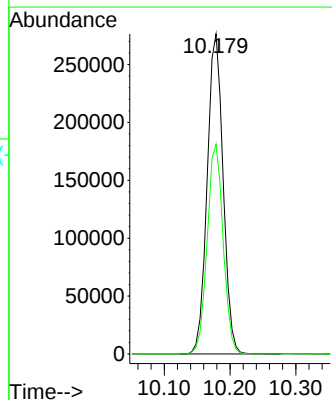
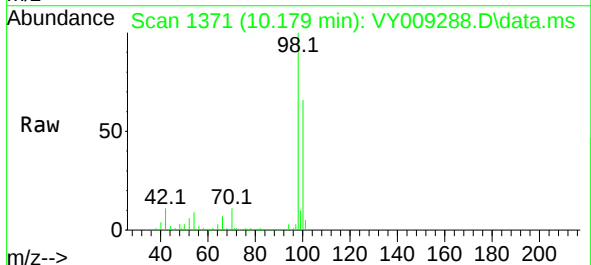
Instrument :
MSVOA_Y
ClientSampleId :
QA-QC-COMP-XRDS008-22

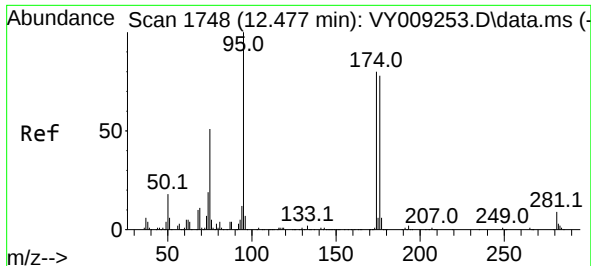
Tgt Ion:117 Resp: 20332
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.829 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

Tgt Ion: 98 Resp: 464949
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2

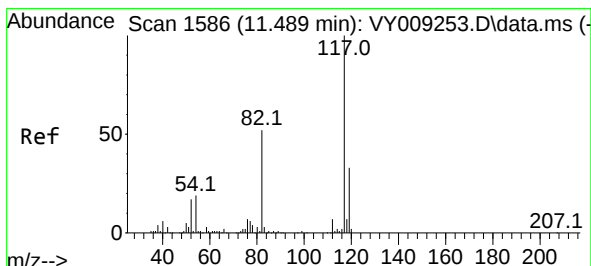
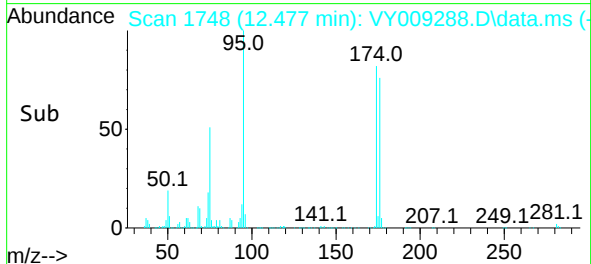
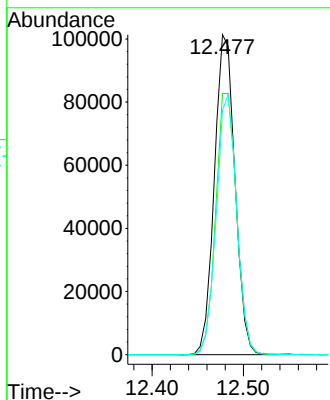
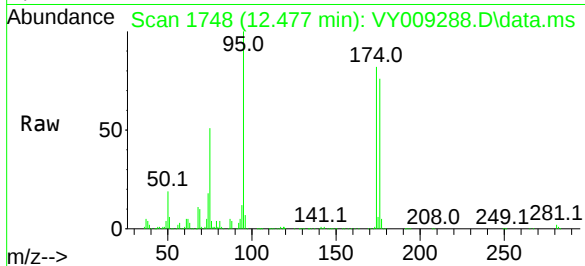




#62
4-Bromofluorobenzene
Concen: 46.445 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

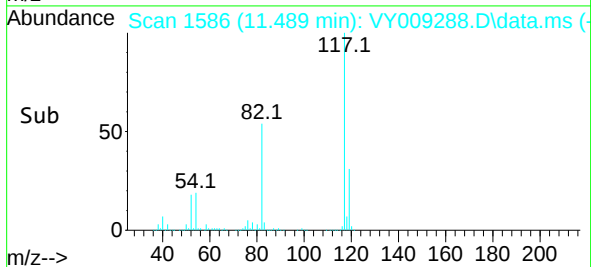
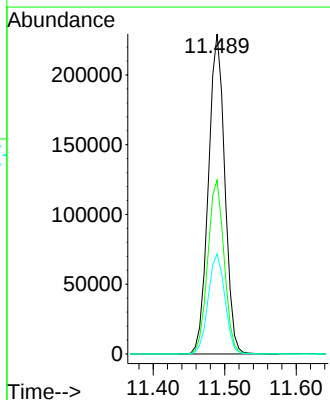
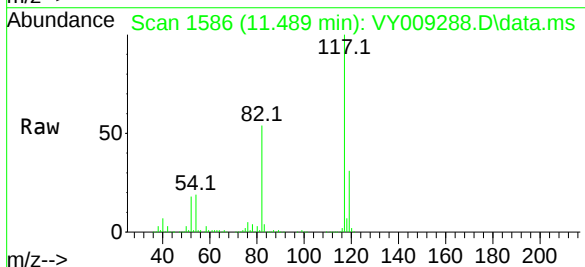
Instrument :
MSVOA_Y
ClientSampleId :
QA-QC-COMP-XRDS008-22

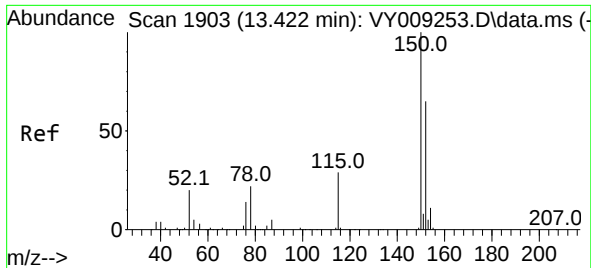
Tgt Ion: 95 Resp: 158650
Ion Ratio Lower Upper
95 100
174 83.0 0.0 177.0
176 80.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

Tgt Ion: 117 Resp: 364757
Ion Ratio Lower Upper
117 100
82 54.4 43.0 64.4
119 31.2 25.4 38.0

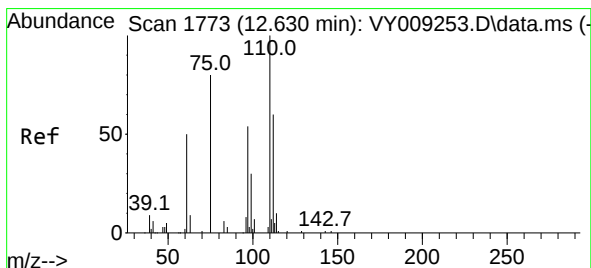
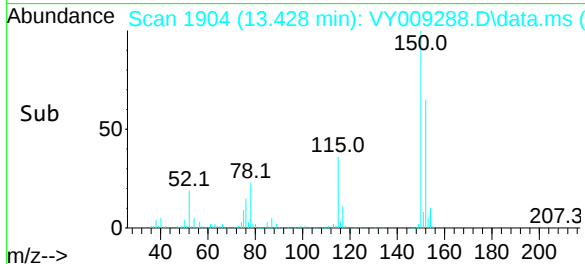
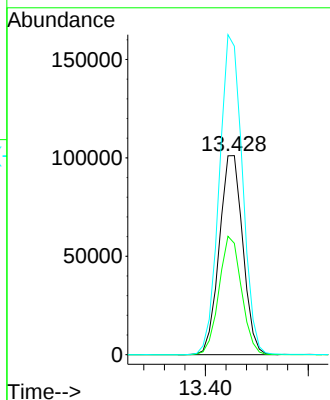
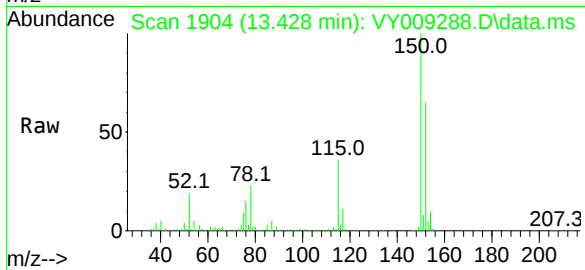




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

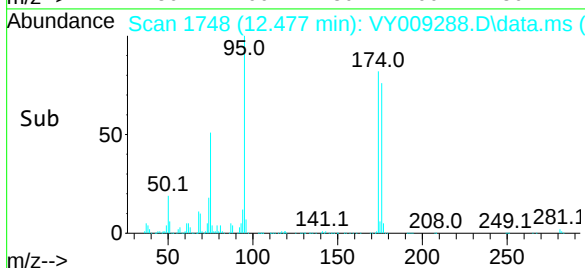
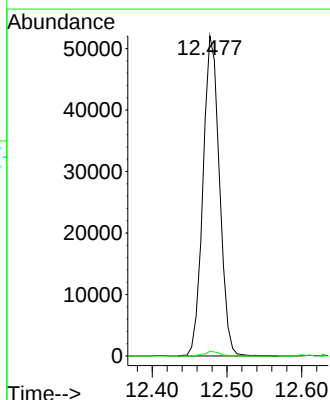
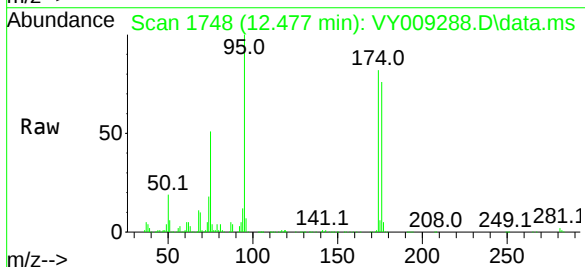
Instrument :
MSVOA_Y
ClientSampleId :
QA-QC-COMP-XRDS008-22

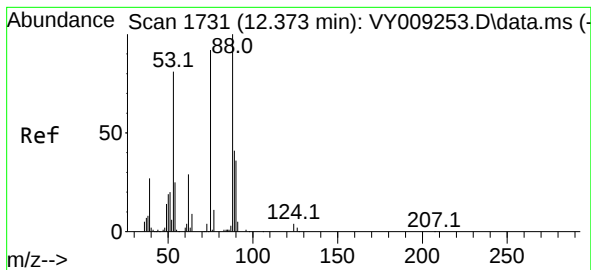
Tgt Ion:152 Resp: 160434
Ion Ratio Lower Upper
152 100
115 56.9 28.2 84.7
150 158.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 42.334 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009288.D
Acq: 23 Jun 2022 12:28

Tgt Ion: 75 Resp: 79627
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 89.762 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY009288.D

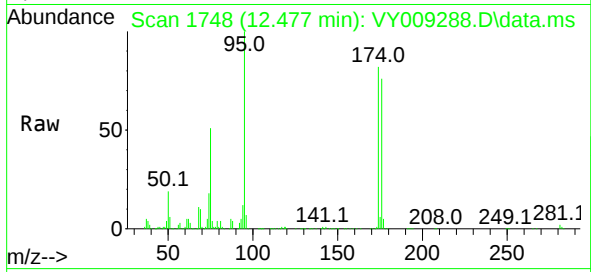
Acq: 23 Jun 2022 12:28

Instrument :

MSVOA_Y

ClientSampleId :

QA-QC-COMP-XRDS008-22



Tgt Ion: 75 Resp: 79627

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.1 37.0 55.4#

