

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022422\
 Data File : VY007627.D
 Acq On : 24 Feb 2022 19:01
 Operator : SY/MD
 Sample : N1584-02
 Misc : 6.18g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 25 05:44:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

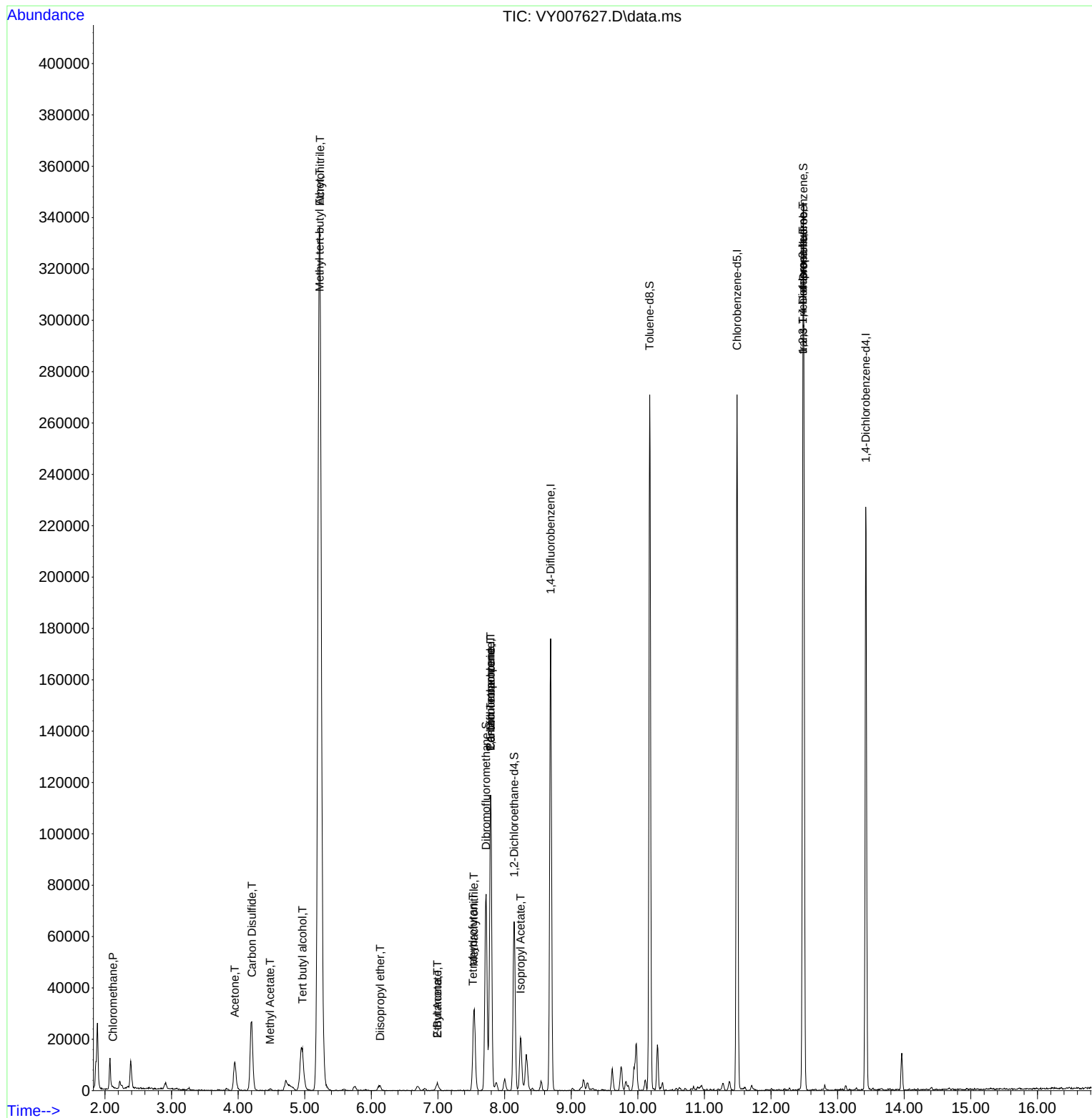
Internal Standards						
1) Pentafluorobenzene	7.789	168	88376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	145825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	57808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	54008	54.934	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.860%	
35) Dibromofluoromethane	7.722	113	50247	52.336	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.680%	
50) Toluene-d8	10.179	98	179138	50.399	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.800%	
62) 4-Bromofluorobenzene	12.483	95	57623	47.466	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	629	1.327	ug/l #	63
5) Bromomethane	2.662	94	135	Below Cal		86
11) Tert butyl alcohol	4.966	59	36508	368.694	ug/l #	77
15) Acrylonitrile	5.228	53	6271	28.495	ug/l #	25
16) Acetone	3.948	43	19091	85.264	ug/l	91
17) Carbon Disulfide	4.204	76	56626	22.825	ug/l	100
18) Methyl Acetate	4.479	43	1060	3.387	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	648606	241.751	ug/l #	90
20) Methylene Chloride	4.722	84	2561	Below Cal	#	74
22) Diisopropyl ether	6.131	45	2126	1.096	ug/l #	84
25) 2-Butanone	6.990	43	4433	17.463	ug/l #	44
29) Tetrahydrofuran	7.527	42	1389	9.402	ug/l #	41
31) Cyclohexane	7.783	56	2709	Below Cal	#	57
36) 1,1-Dichloropropene	7.789	75	6068	4.386	ug/l #	55
37) Ethyl Acetate	6.990	43	4433	7.117	ug/l #	72
38) Carbon Tetrachloride	7.789	117	8908	4.397	ug/l #	11
39) Methylcyclohexane	9.191	83	852	Below Cal	#	67
41) Methacrylonitrile	7.539	41	11803	34.360	ug/l #	49
43) Isopropyl Acetate	8.240	43	4661	3.664	ug/l #	56
76) 1,2,3-Trichloropropane	12.477	75	35644	61.650	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	35644	132.558	ug/l #	8

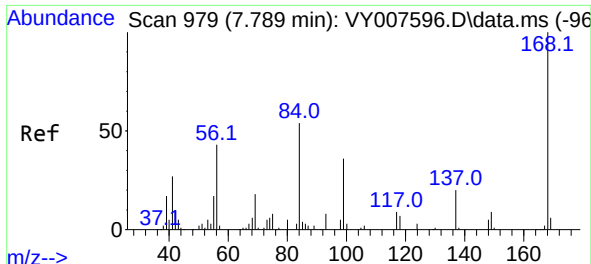
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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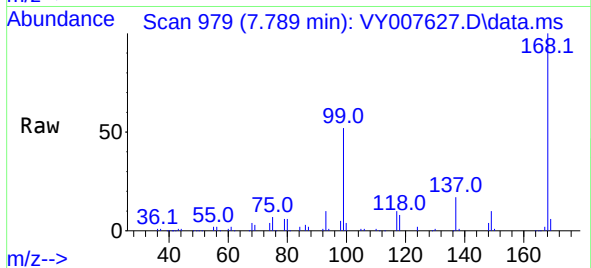
Quant Time: Feb 25 05:44:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 24 07:13:58 2022
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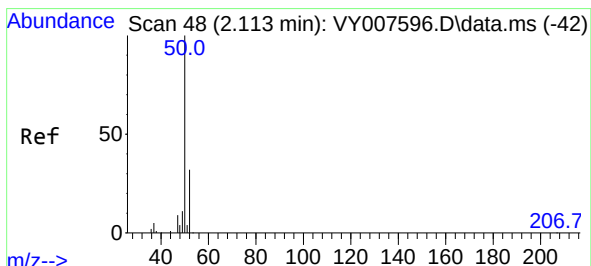
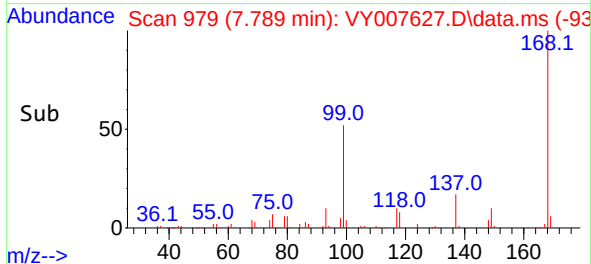
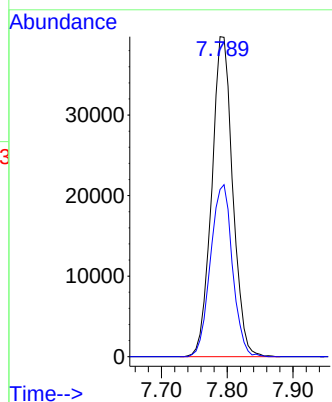


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

Instrument :
MSVOA_Y
ClientSampleId :

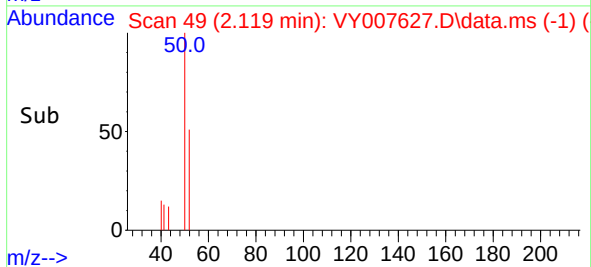
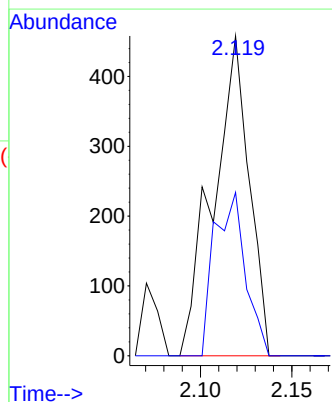
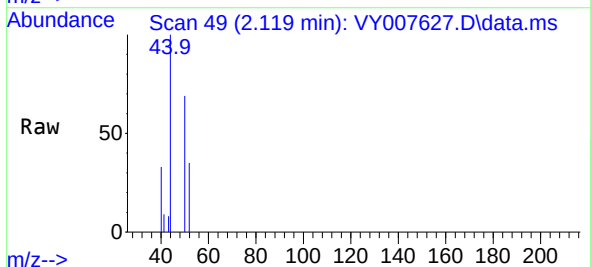


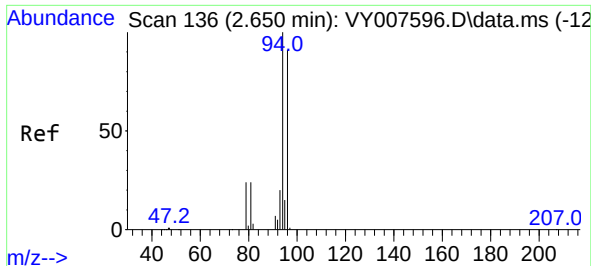
Tgt Ion:168 Resp: 88376
Ion Ratio Lower Upper
168 100
99 52.2 46.9 70.3



#3
Chloromethane
Concen: 1.327 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

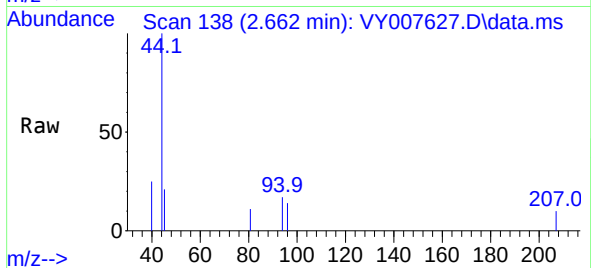
Tgt Ion: 50 Resp: 629
Ion Ratio Lower Upper
50 100
52 51.1 24.6 37.0#



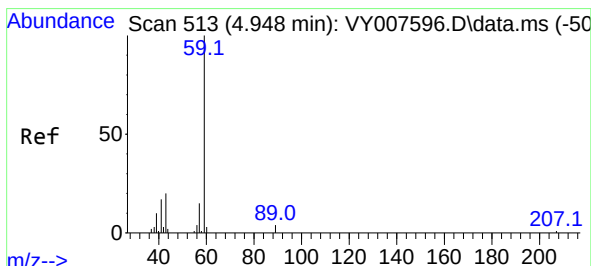
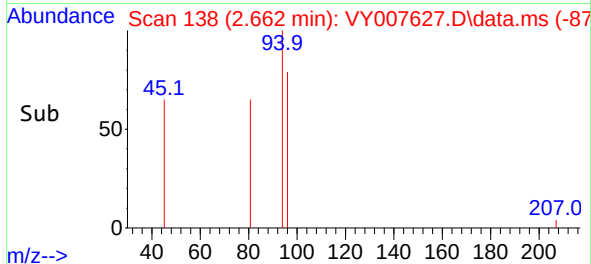
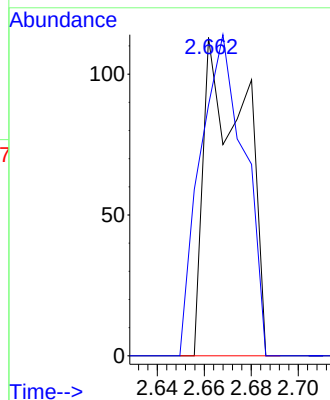


#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

Instrument :
MSVOA_Y
ClientSampleId :

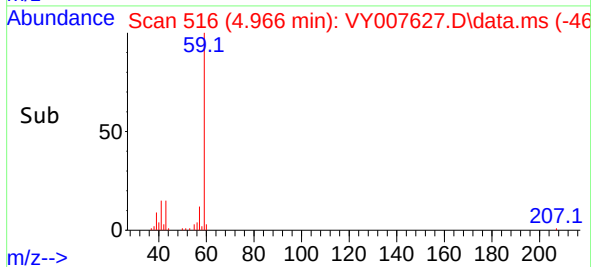
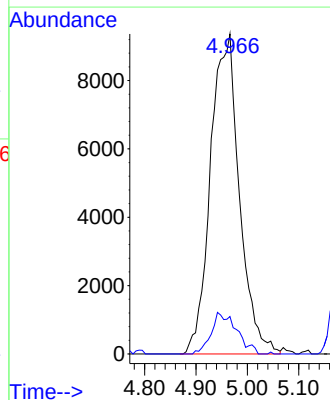
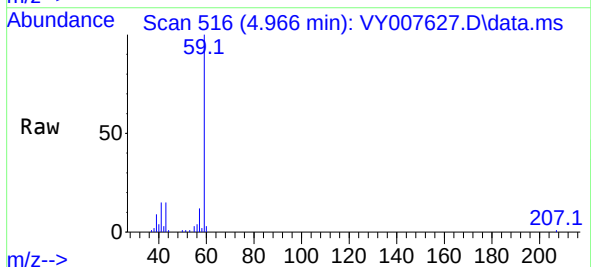


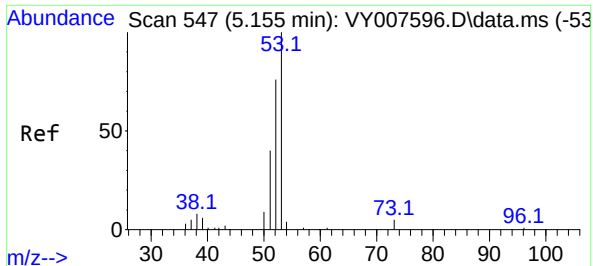
Tgt Ion: 94 Resp: 135
Ion Ratio Lower Upper
94 100
96 78.8 73.5 110.3



#11
Tert butyl alcohol
Concen: 368.694 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.018 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

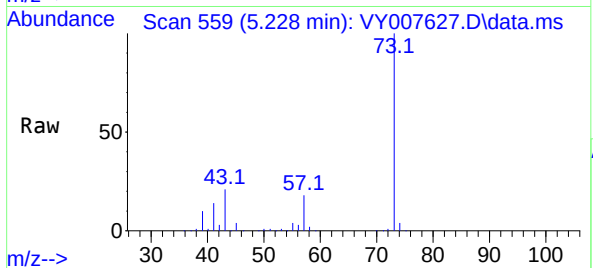
Tgt Ion: 59 Resp: 36508
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



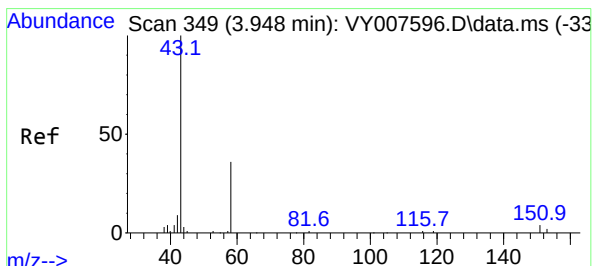
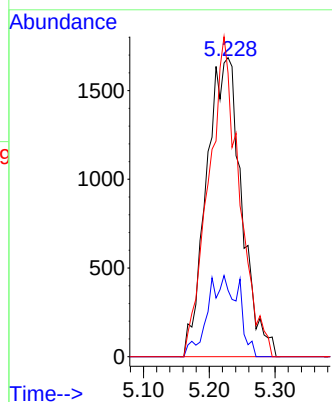


#15
Acrylonitrile
Concen: 28.495 ug/l
RT: 5.228 min Scan# 51
Delta R.T. 0.073 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

Instrument :
MSVOA_Y
ClientSampleId :

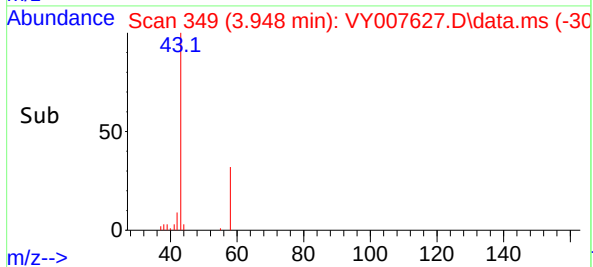
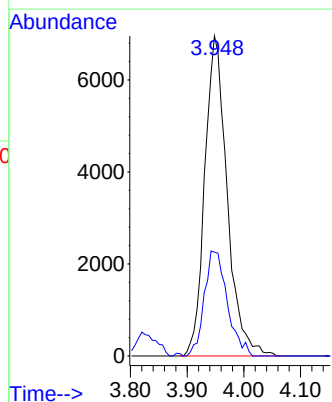
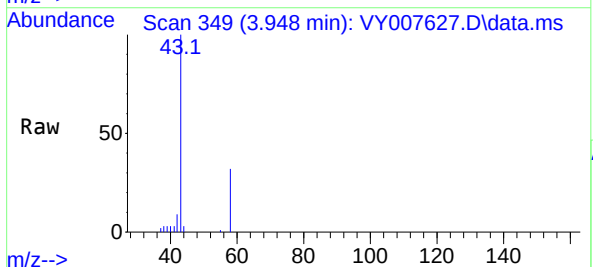


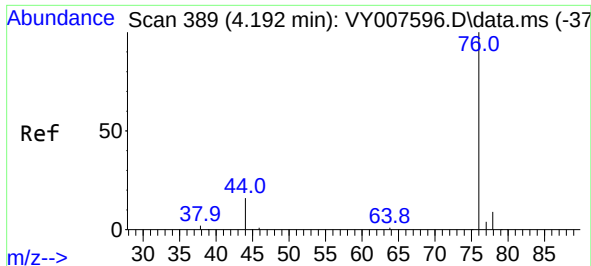
Tgt Ion: 53 Resp: 6271
Ion Ratio Lower Upper
53 100
52 23.8 67.0 100.4#
51 93.9 29.8 44.6#



#16
Acetone
Concen: 85.264 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

Tgt Ion: 43 Resp: 19091
Ion Ratio Lower Upper
43 100
58 32.5 22.0 33.0

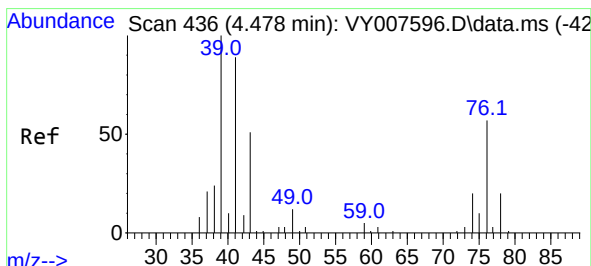
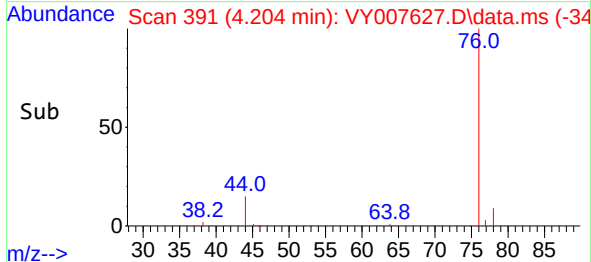
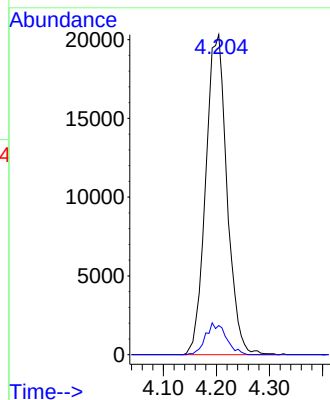
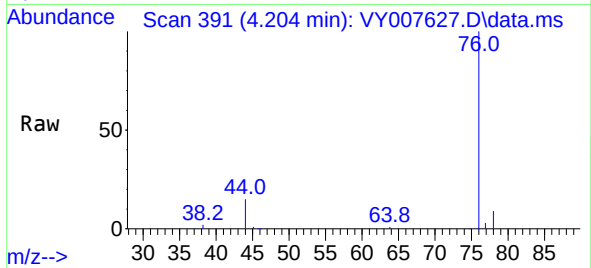




#17
Carbon Disulfide
Concen: 22.825 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

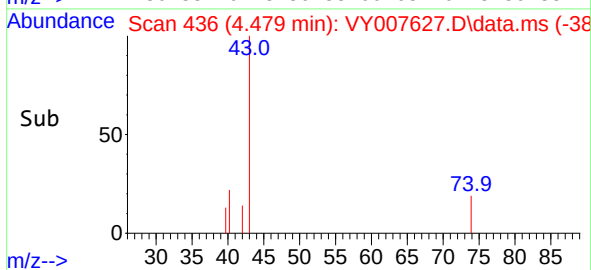
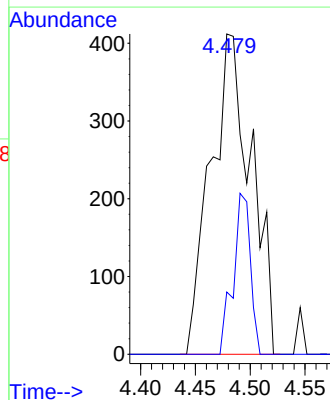
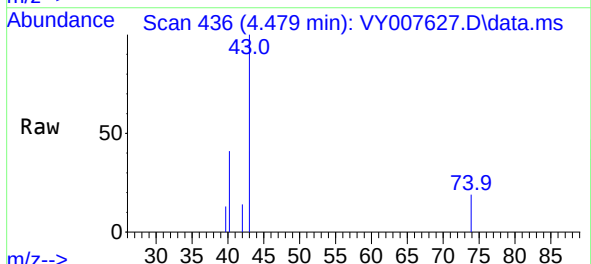
Instrument :
MSVOA_Y
ClientSampleId :

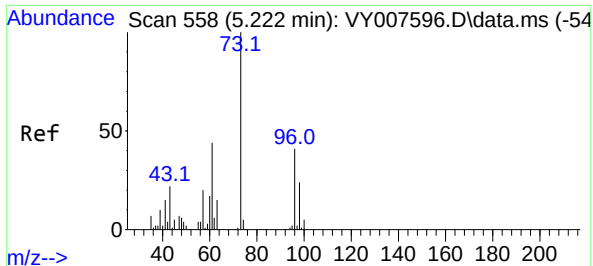
Tgt Ion: 76 Resp: 56626
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 3.387 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.001 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
74 21.2 16.6 24.8





#19

Methyl tert-butyl Ether

Concen: 241.751 ug/l

RT: 5.222 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY007627.D

Acq: 24 Feb 2022 19:01

Instrument :

MSVOA_Y

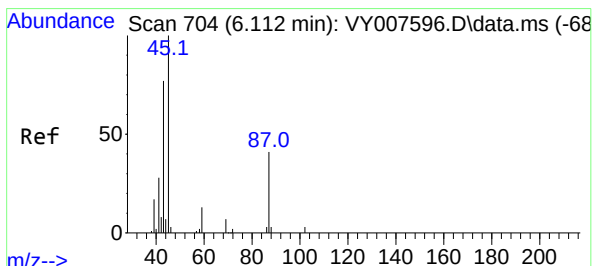
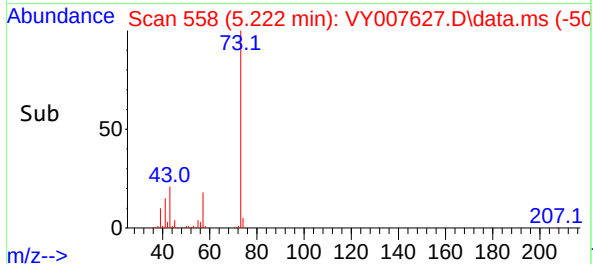
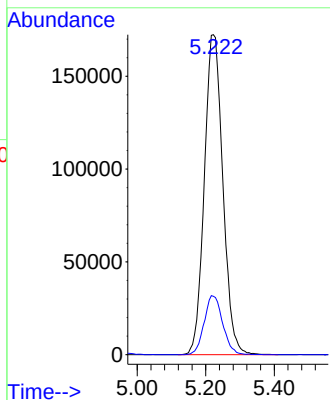
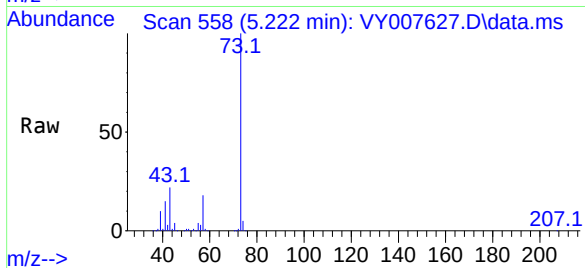
ClientSampleId :

Tgt Ion: 73 Resp: 648606

Ion Ratio Lower Upper

73 100

57 18.3 18.6 27.8#



#22

Diisopropyl ether

Concen: 1.096 ug/l

RT: 6.131 min Scan# 707

Delta R.T. 0.019 min

Lab File: VY007627.D

Acq: 24 Feb 2022 19:01

Tgt Ion: 45 Resp: 2126

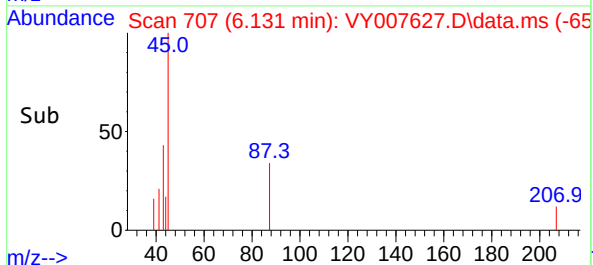
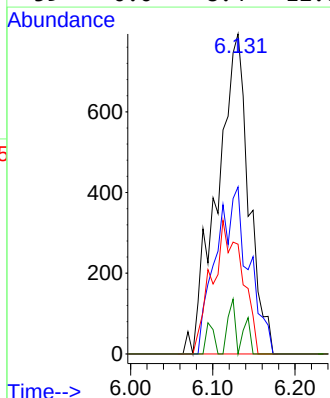
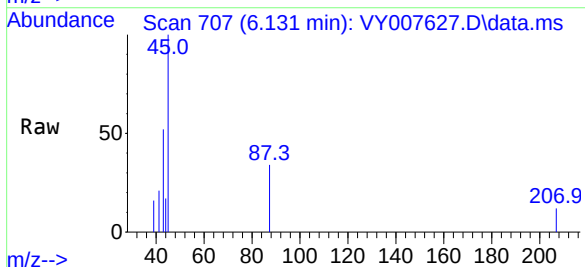
Ion Ratio Lower Upper

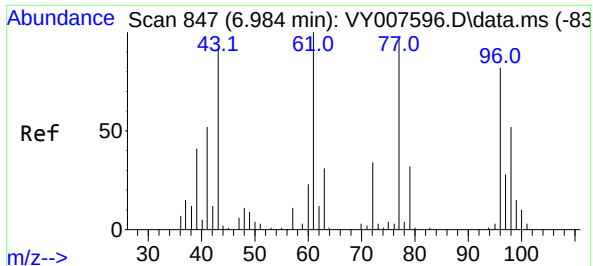
45 100

43 52.2 49.3 73.9

87 34.3 19.2 28.8#

59 0.0 8.4 12.6#





#25

2-Butanone

Concen: 17.463 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY007627.D

Acq: 24 Feb 2022 19:01

Instrument :

MSVOA_Y

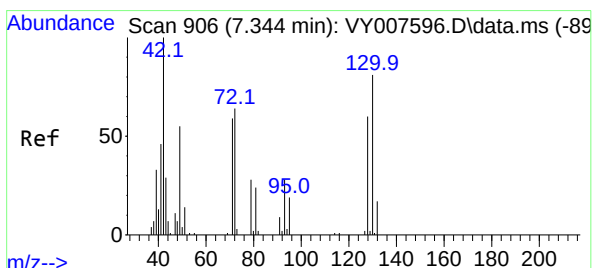
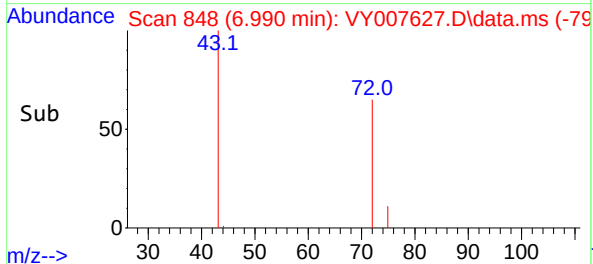
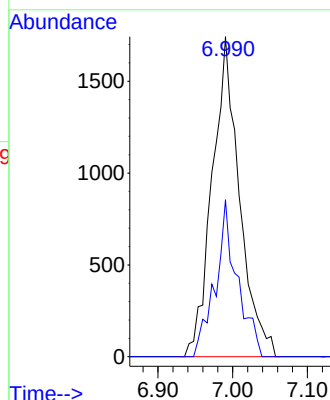
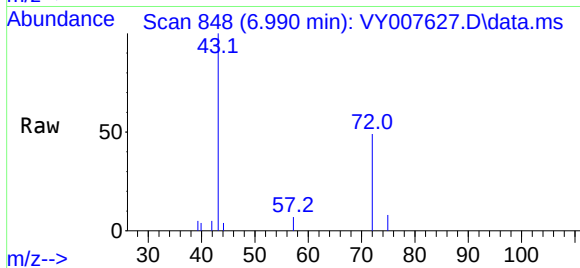
ClientSampleId :

Tgt Ion: 43 Resp: 4433

Ion Ratio Lower Upper

43 100

72 49.1 17.7 26.5#



#29

Tetrahydrofuran

Concen: 9.402 ug/l

RT: 7.527 min Scan# 936

Delta R.T. 0.183 min

Lab File: VY007627.D

Acq: 24 Feb 2022 19:01

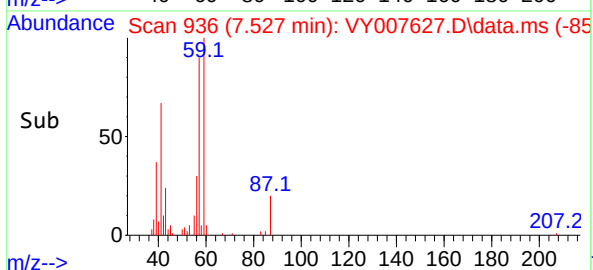
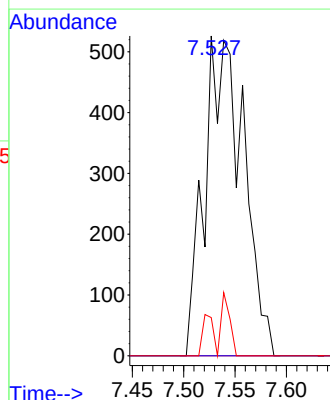
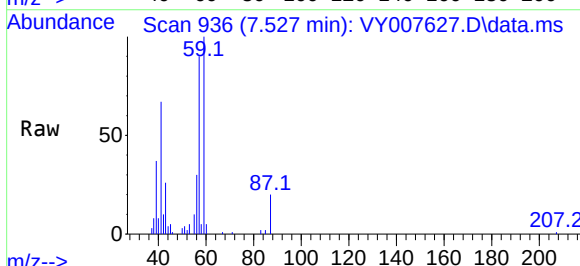
Tgt Ion: 42 Resp: 1389

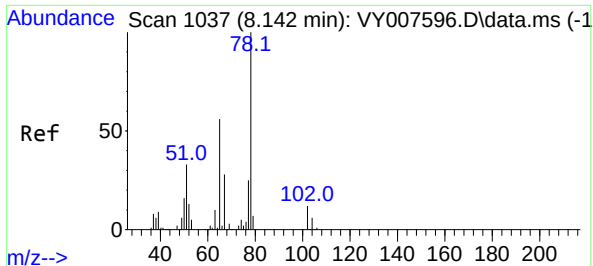
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 3.5 29.0 43.4#

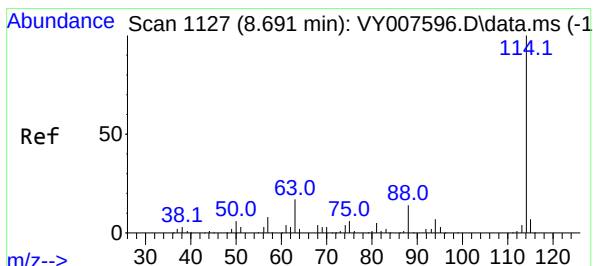
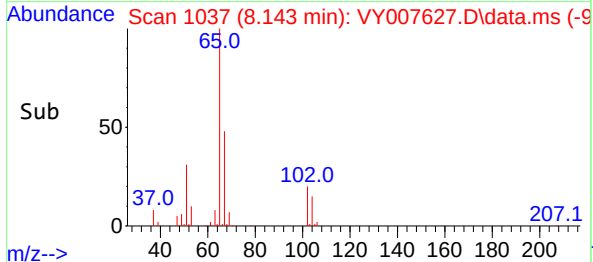
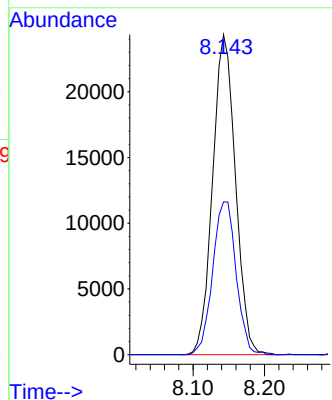
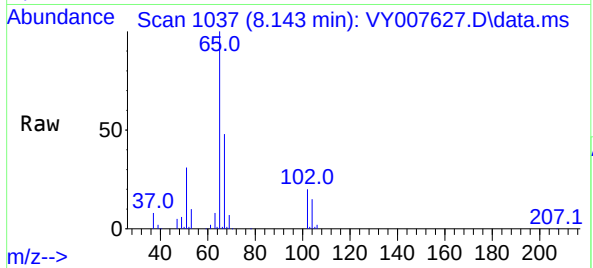




#33
1,2-Dichloroethane-d4
Concen: 54.934 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

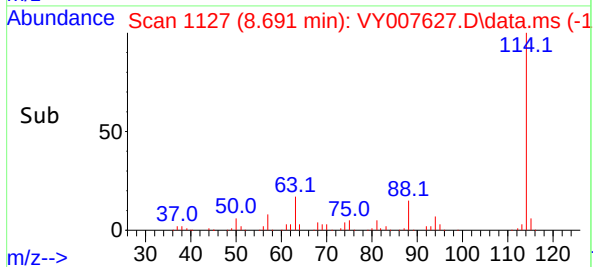
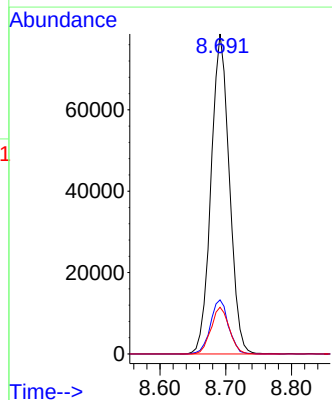
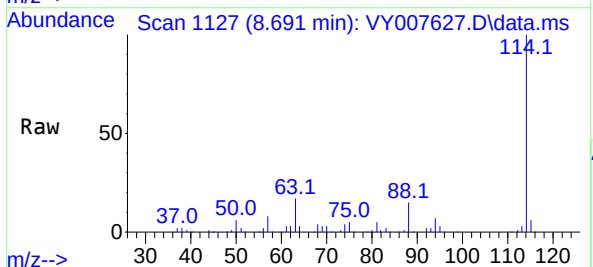
Instrument :
MSVOA_Y
ClientSampleId :

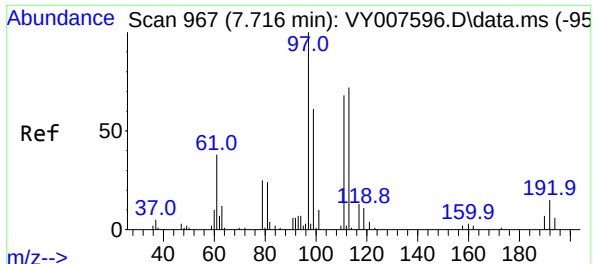
Tgt Ion: 65 Resp: 54008
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

Tgt Ion: 114 Resp: 152156
Ion Ratio Lower Upper
114 100
63 16.9 0.0 43.2
88 14.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.336 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY007627.D

Acq: 24 Feb 2022 19:01

Instrument :

MSVOA_Y

ClientSampleId :

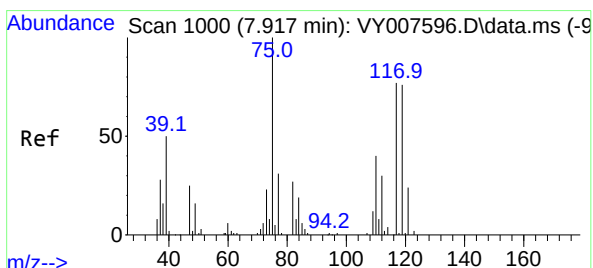
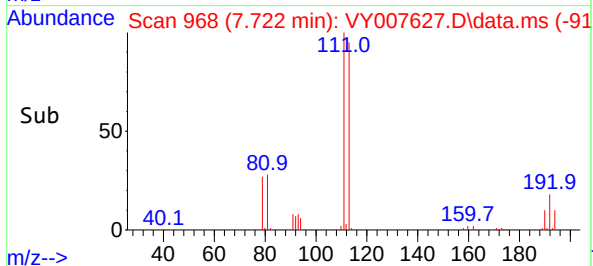
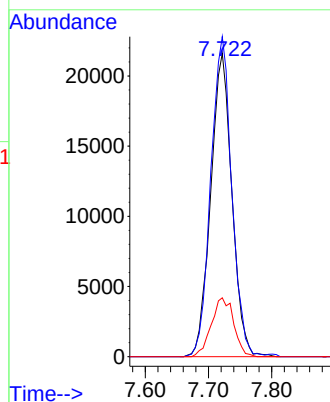
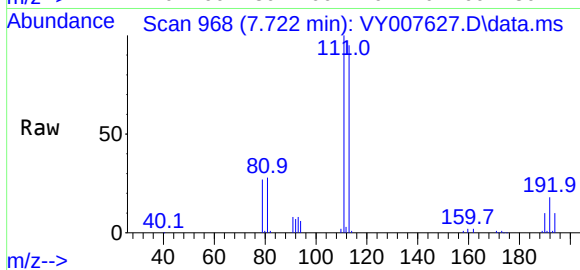
Tgt Ion:113 Resp: 50247

Ion Ratio Lower Upper

113 100

111 104.2 82.6 124.0

192 20.5 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.386 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY007627.D

Acq: 24 Feb 2022 19:01

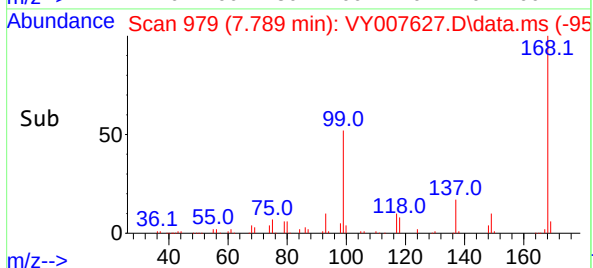
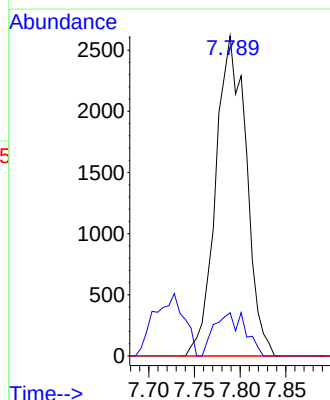
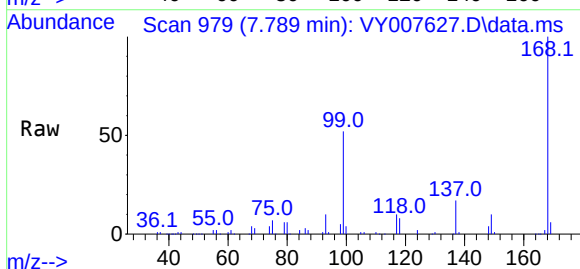
Tgt Ion: 75 Resp: 6068

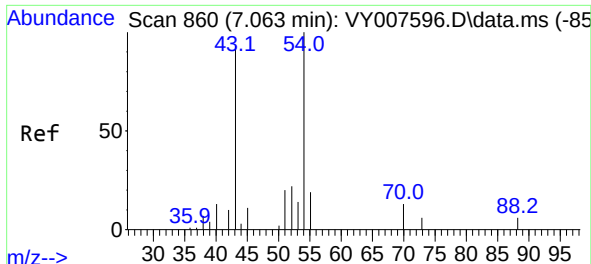
Ion Ratio Lower Upper

75 100

110 13.8 17.1 51.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 7.117 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.073 min

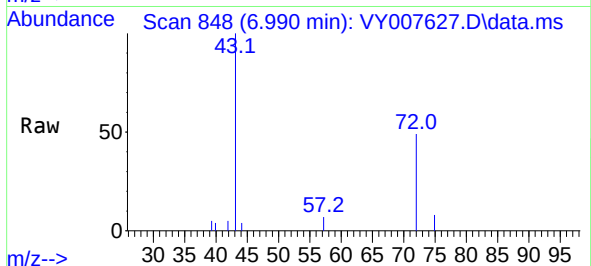
Lab File: VY007627.D

Acq: 24 Feb 2022 19:01

Instrument :

MSVOA_Y

ClientSampleId :



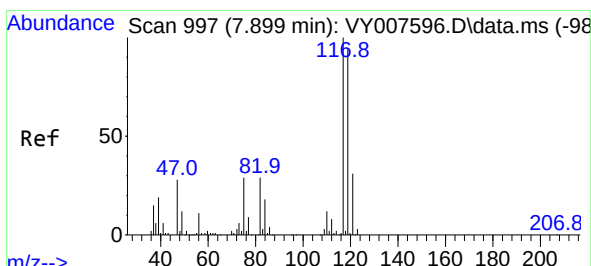
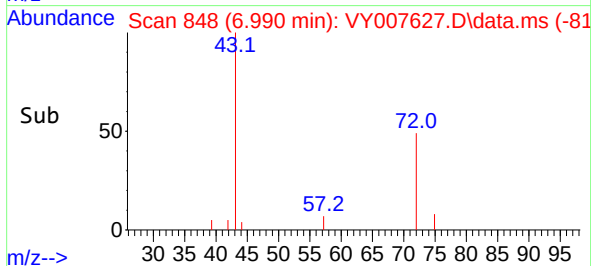
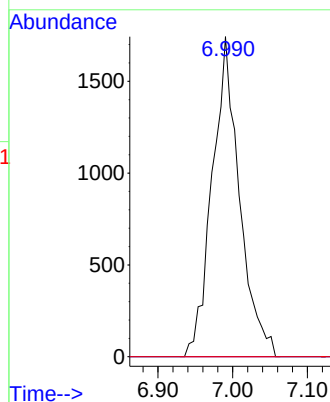
Tgt Ion: 43 Resp: 4433

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.397 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007627.D

Acq: 24 Feb 2022 19:01

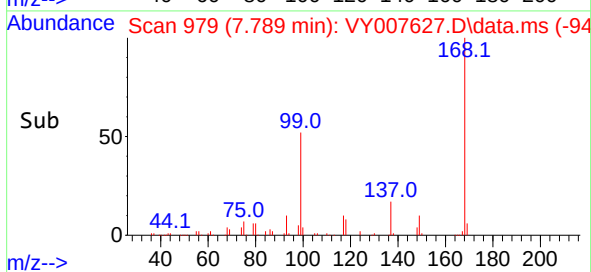
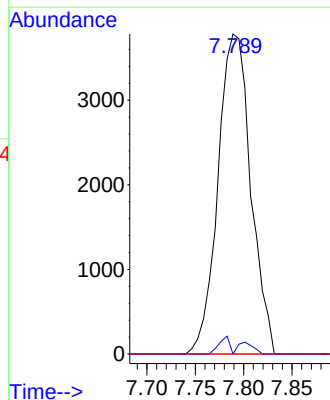
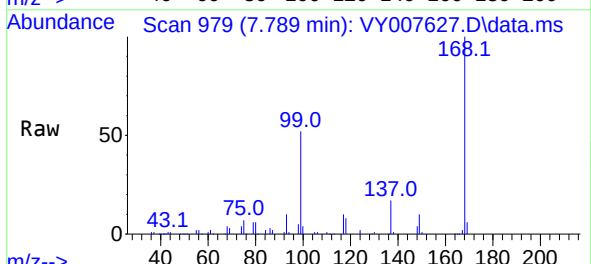
Tgt Ion: 117 Resp: 8908

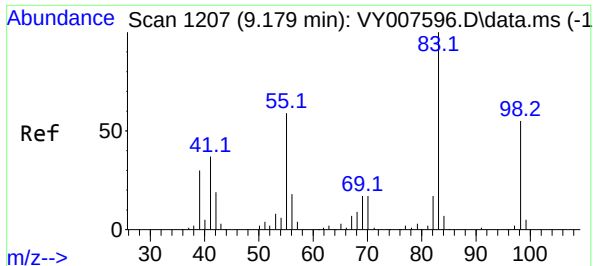
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.191 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY007627.D

Acq: 24 Feb 2022 19:01

Instrument :

MSVOA_Y

ClientSampleId :

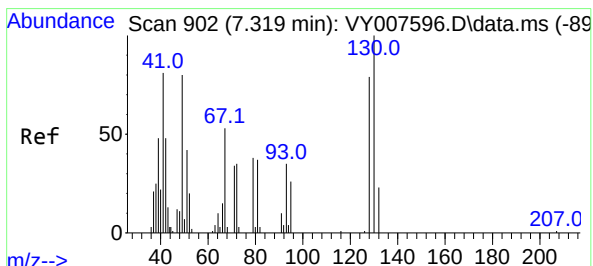
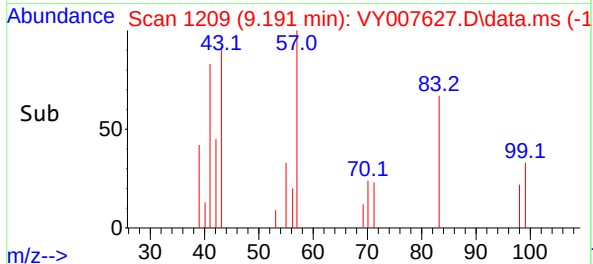
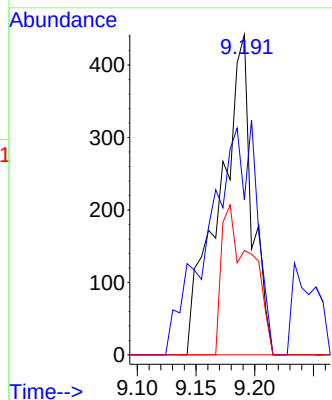
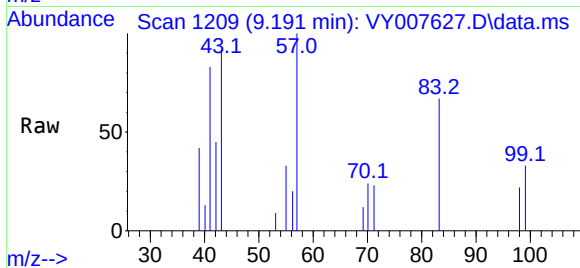
Tgt Ion: 83 Resp: 852

Ion Ratio Lower Upper

83 100

55 48.4 66.5 99.7#

98 32.6 37.9 56.9#



#41

Methacrylonitrile

Concen: 34.360 ug/l

RT: 7.539 min Scan# 938

Delta R.T. 0.220 min

Lab File: VY007627.D

Acq: 24 Feb 2022 19:01

Tgt Ion: 41 Resp: 11803

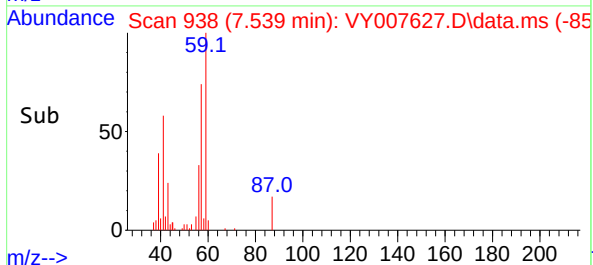
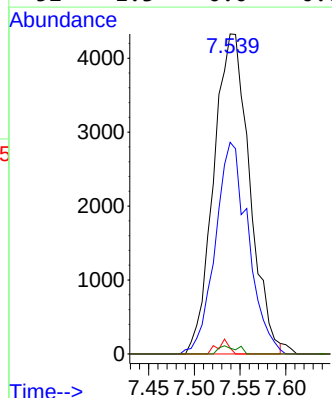
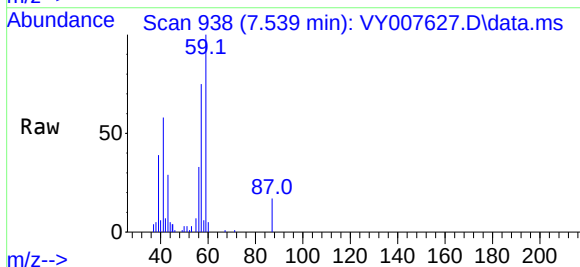
Ion Ratio Lower Upper

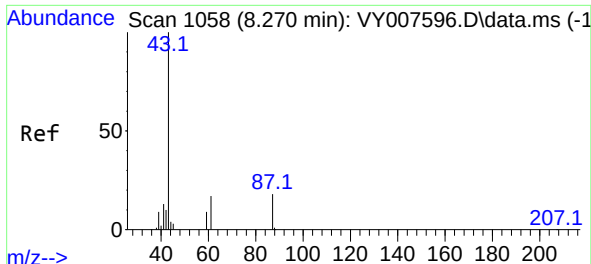
41 100

39 60.8 92.9 139.3#

67 1.4 0.0 0.0#

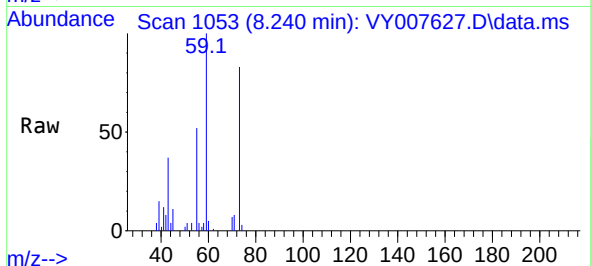
52 1.3 0.0 0.0#



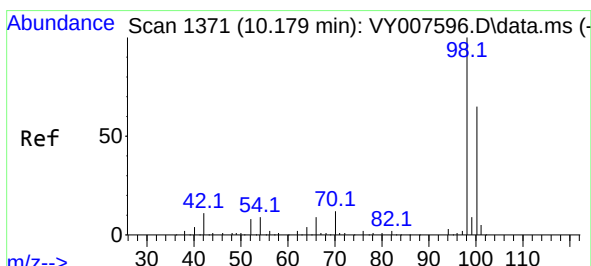
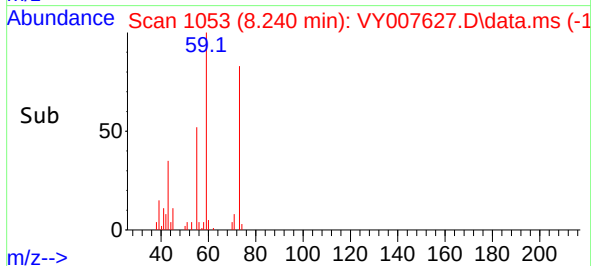
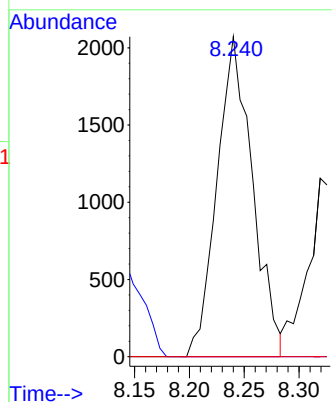


#43
Isopropyl Acetate
Concen: 3.664 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. -0.030 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

Instrument :
MSVOA_Y
ClientSampleId :

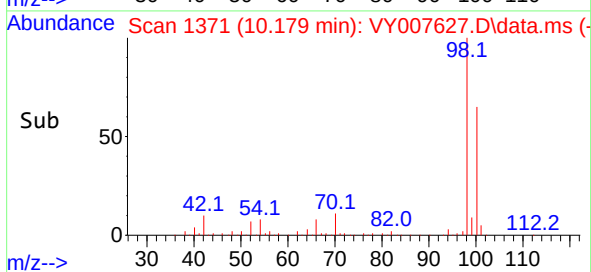
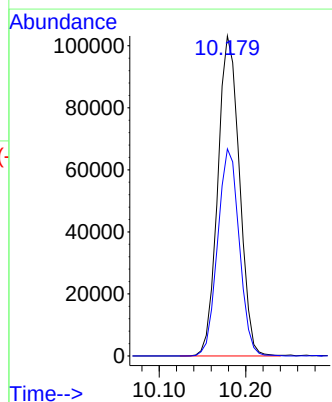
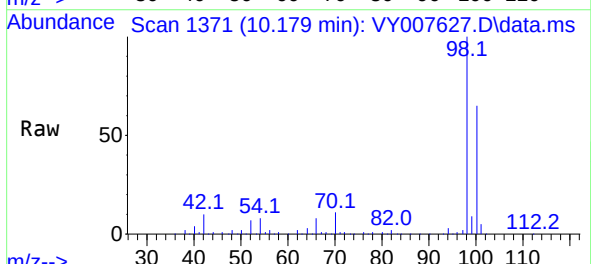


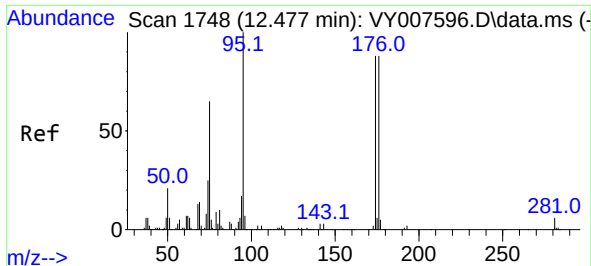
Tgt Ion: 43 Resp: 4661
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 0.0 8.9 13.3#



#50
Toluene-d8
Concen: 50.399 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

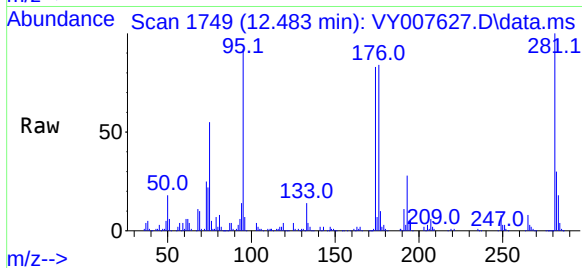
Tgt Ion: 98 Resp: 179138
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



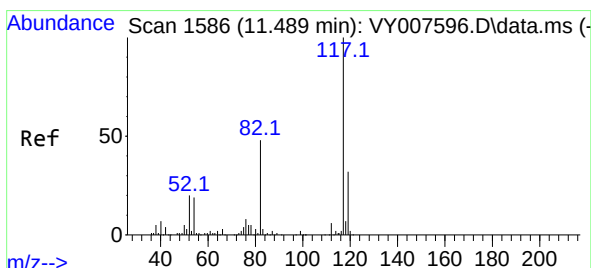
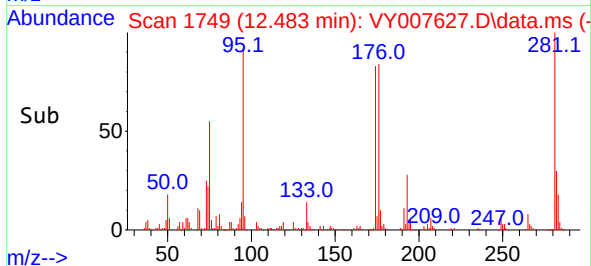
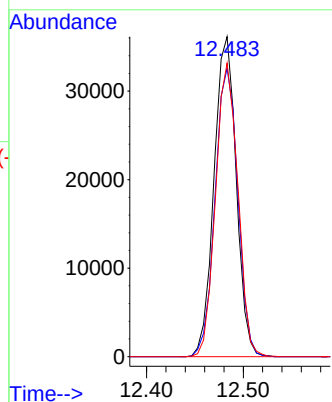


#62
4-Bromofluorobenzene
Concen: 47.466 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

Instrument :
MSVOA_Y
ClientSampleId :

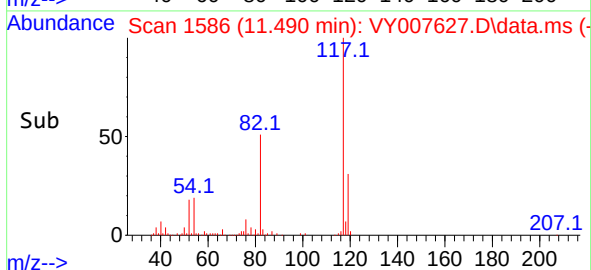
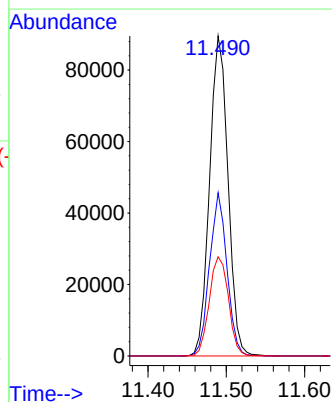
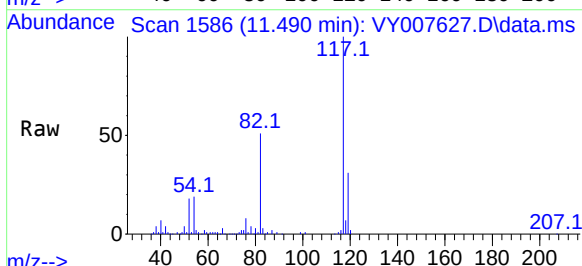


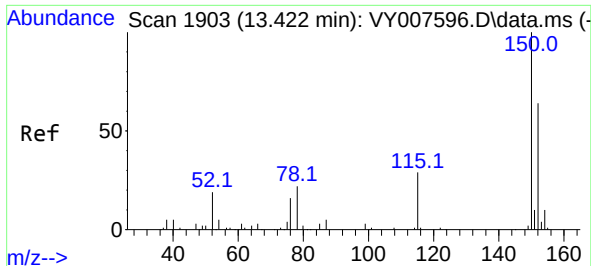
Tgt Ion: 95 Resp: 57623
Ion Ratio Lower Upper
95 100
174 92.1 0.0 177.0
176 91.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

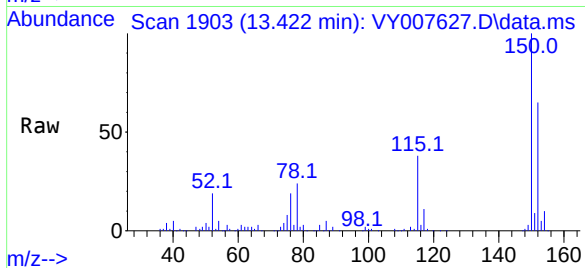
Tgt Ion: 117 Resp: 145825
Ion Ratio Lower Upper
117 100
82 51.0 43.0 64.4
119 31.0 25.4 38.0



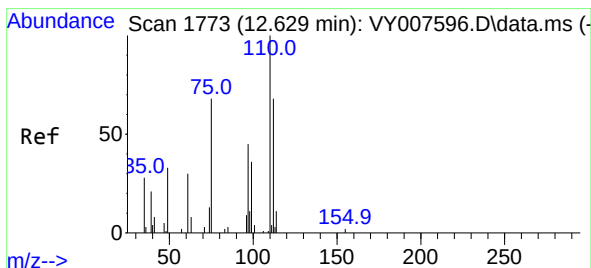
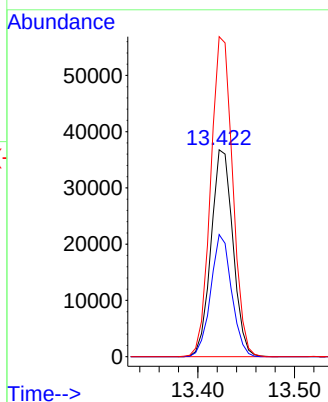
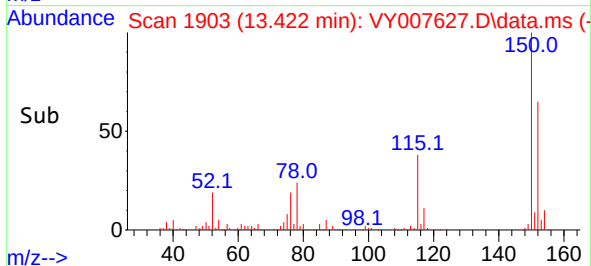


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

Instrument :
MSVOA_Y
ClientSampleId :

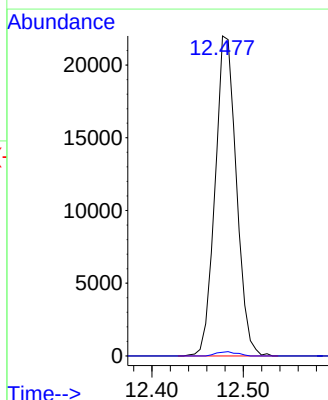
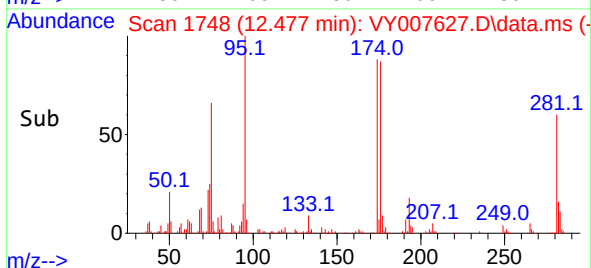
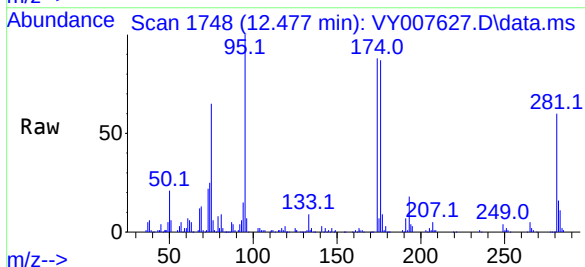


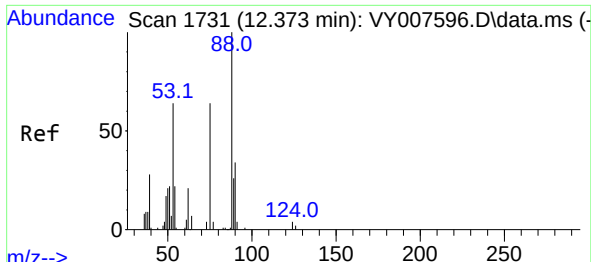
Tgt Ion:152 Resp: 57808
Ion Ratio Lower Upper
152 100
115 56.3 28.2 84.7
150 155.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 61.650 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

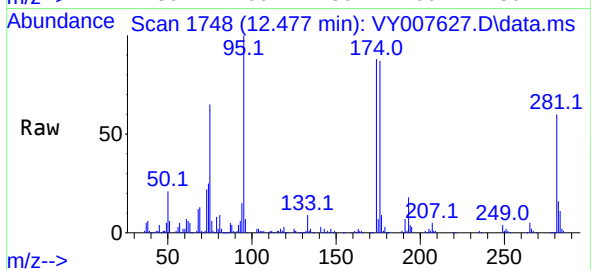
Tgt Ion: 75 Resp: 35644
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 132.558 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY007627.D
Acq: 24 Feb 2022 19:01

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 35644
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 1.7 37.0 55.4#

