

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110722\
 Data File : VY011327.D
 Acq On : 07 Nov 2022 11:48
 Operator : KP/MD
 Sample : N5435-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PTS-TP-COMP-1103

Quant Time: Nov 08 03:28:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

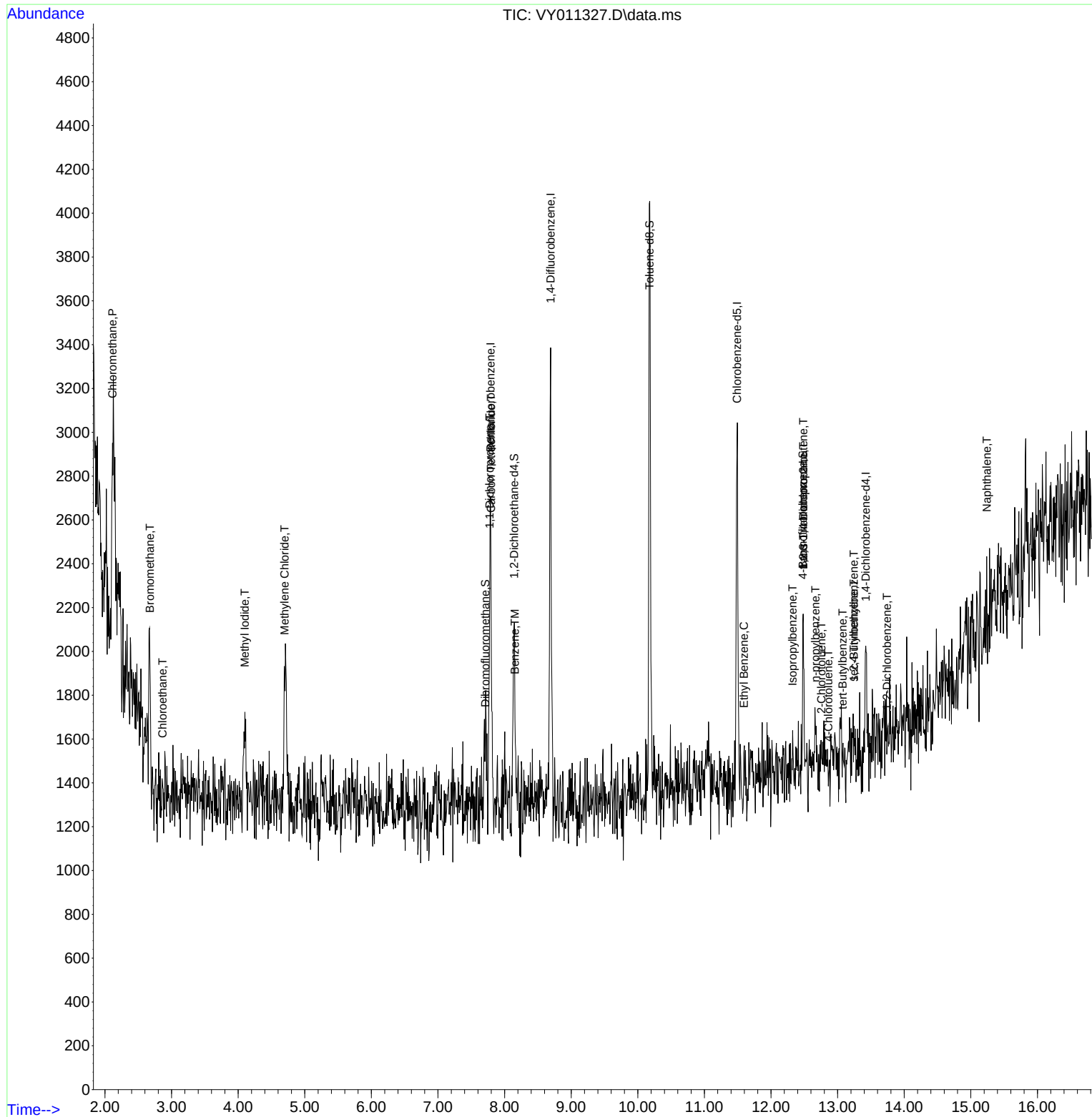
Internal Standards						
1) Pentafluorobenzene	7.789	168	1539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	2377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	1193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	696	42.285	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.580%
35) Dibromofluoromethane	7.710	113	423	27.697	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	55.400%
50) Toluene-d8	10.179	98	2362	39.834	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	79.660%
62) 4-Bromofluorobenzene	12.477	95	250	12.145	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	24.280%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	55	3.223	ug/l #	44
5) Bromomethane	2.674	94	178	13.996	ug/l #	68
6) Chloroethane	2.863	64	25	2.041	ug/l #	43
10) Methyl Iodide	4.101	142	619	28.400	ug/l #	61
20) Methylene Chloride	4.698	84	253	8.252	ug/l #	57
36) 1,1-Dichloropropene	7.777	75	69	2.767	ug/l #	42
38) Carbon Tetrachloride	7.795	117	40	1.546	ug/l #	11
40) Benzene	8.155	78	80	1.091	ug/l #	50
67) Ethyl Benzene	11.593	91	74	1.585	ug/l #	44
73) Isopropylbenzene	12.325	105	22	1.381	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	99	38.178	ug/l #	100
78) n-propylbenzene	12.666	91	65	3.336	ug/l #	53
79) 2-Chlorotoluene	12.757	91	52	4.657	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.483	75	99	81.707	ug/l #	7
82) 4-Chlorotoluene	12.861	91	75	6.518	ug/l #	41
83) tert-Butylbenzene	13.074	119	21	1.809	ug/l #	24
84) 1,2,4-Trimethylbenzene	13.245	105	47	3.526	ug/l #	31
85) sec-Butylbenzene	13.245	105	47	2.730	ug/l #	56
91) 1,2-Dichlorobenzene	13.739	146	20	2.981	ug/l #	24
95) Naphthalene	15.239	128	152	18.727	ug/l #	69

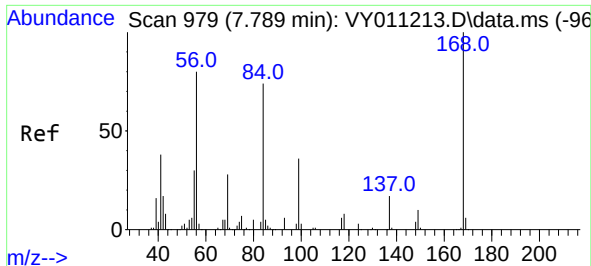
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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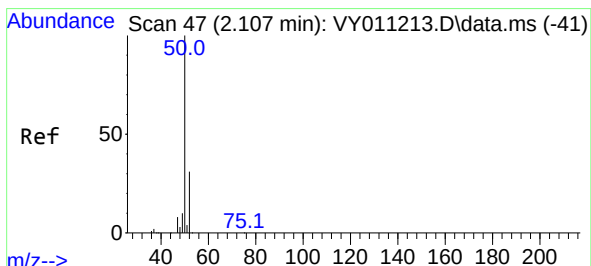
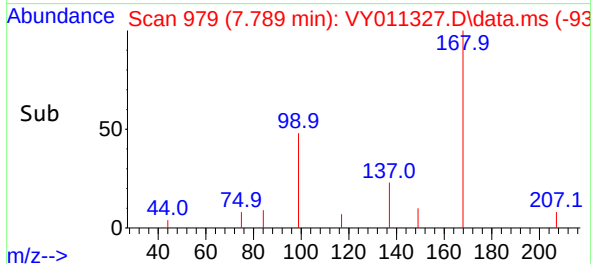
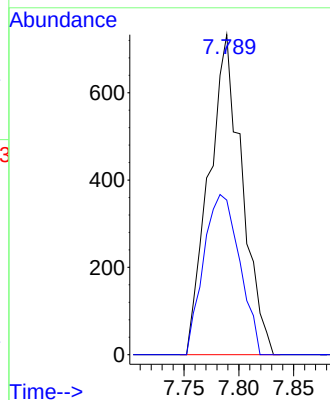
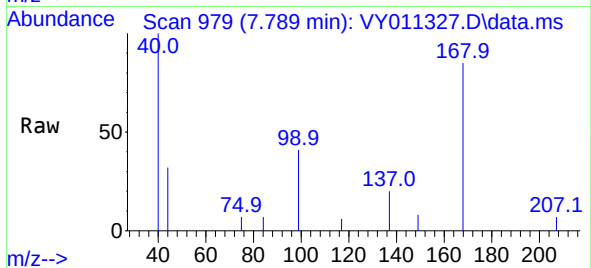




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

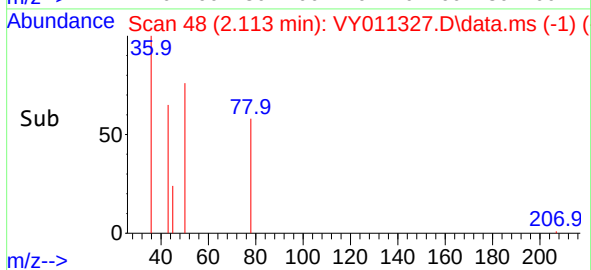
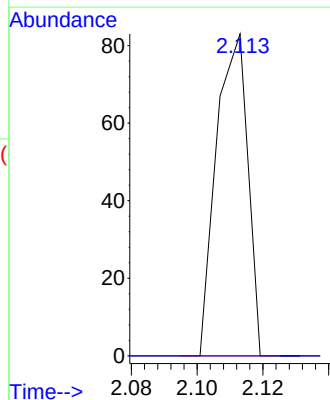
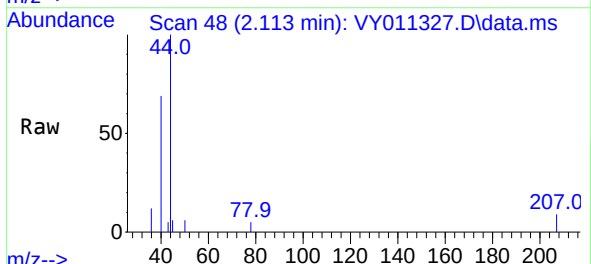
Instrument :
MSVOA_Y
ClientSampleId :
PTS-TP-COMP-1103

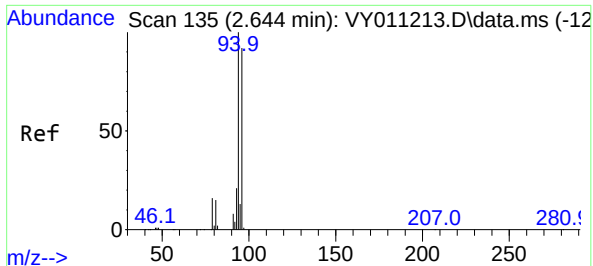
Tgt Ion:168 Resp: 1539
Ion Ratio Lower Upper
168 100
99 48.3 46.9 70.3



#3
Chloromethane
Concen: 3.223 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

Tgt Ion: 50 Resp: 55
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

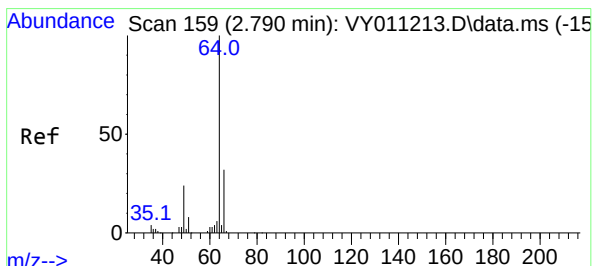
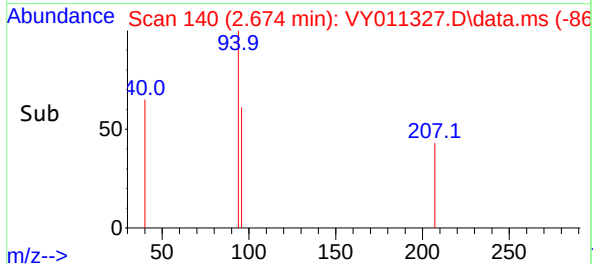
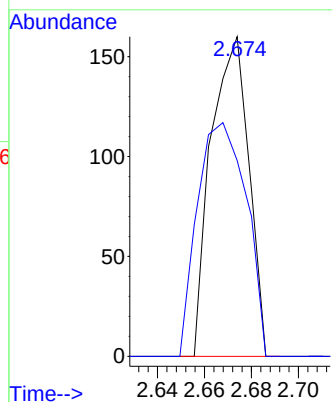
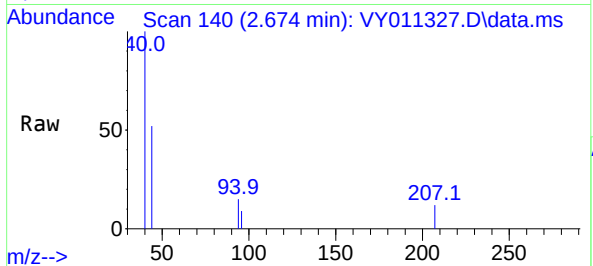




#5
Bromomethane
Concen: 13.996 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.030 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

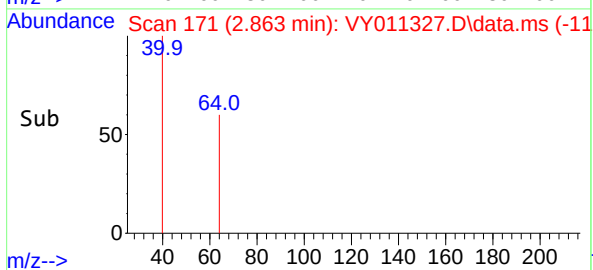
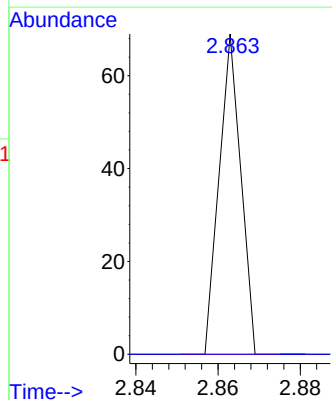
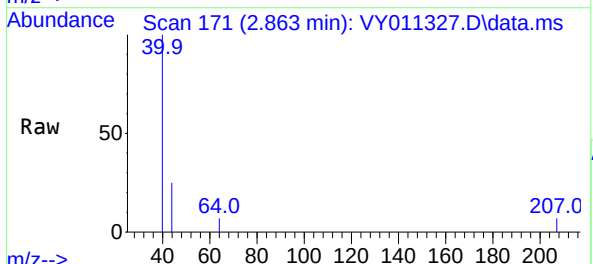
Instrument :
MSVOA_Y
ClientSampleId :
PTS-TP-COMP-1103

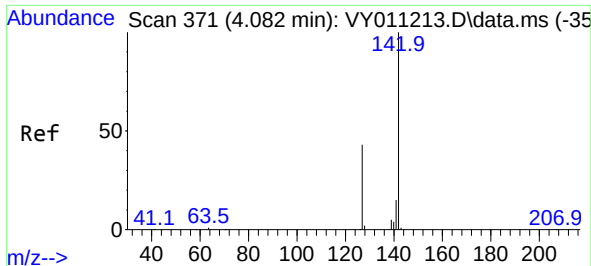
Tgt Ion: 94 Resp: 178
Ion Ratio Lower Upper
94 100
96 61.3 73.5 110.3#



#6
Chloroethane
Concen: 2.041 ug/l
RT: 2.863 min Scan# 171
Delta R.T. 0.073 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

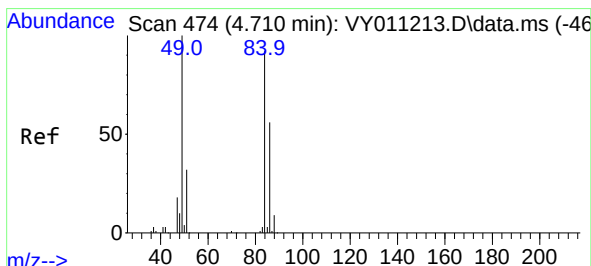
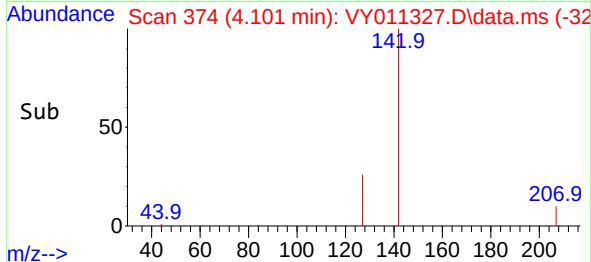
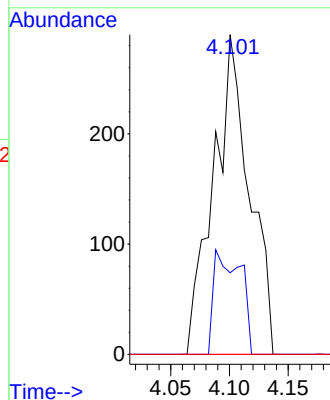
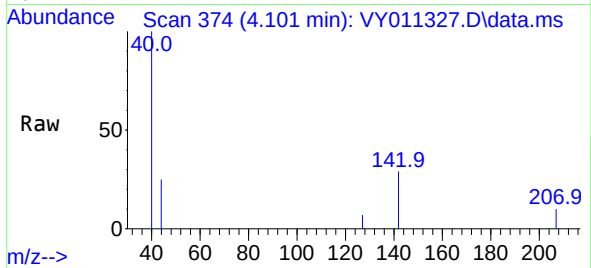




#10
Methyl Iodide
Concen: 28.400 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

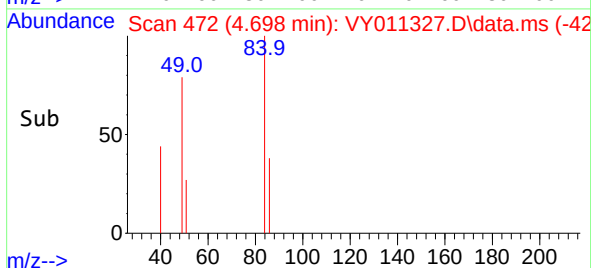
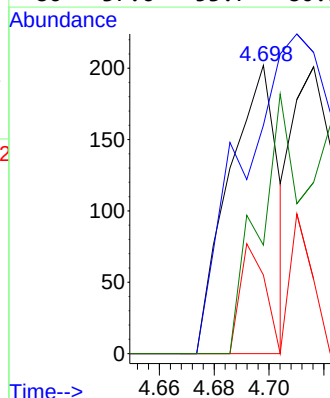
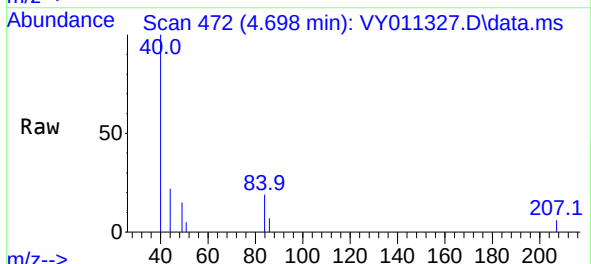
Instrument :
MSVOA_Y
ClientSampleId :
PTS-TP-COMP-1103

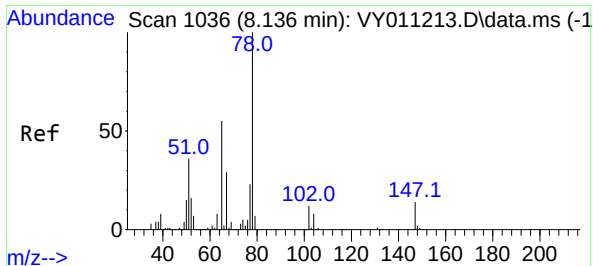
Tgt Ion:142 Resp: 619
Ion Ratio Lower Upper
142 100
127 24.2 41.5 62.3#
141 0.0 11.9 17.9#



#20
Methylene Chloride
Concen: 8.252 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.012 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

Tgt Ion: 84 Resp: 253
Ion Ratio Lower Upper
84 100
49 79.2 114.4 171.6#
51 27.2 35.3 52.9#
86 37.6 53.7 80.5#





#33

1,2-Dichloroethane-d4

Concen: 42.285 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY011327.D

Acq: 07 Nov 2022 11:48

Instrument :

MSVOA_Y

ClientSampleId :

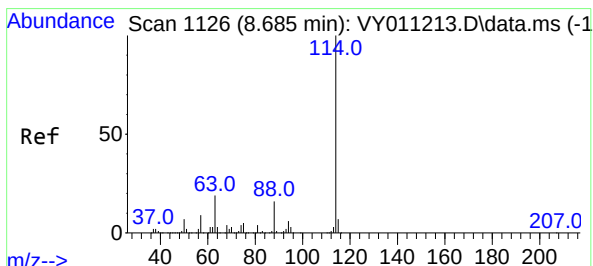
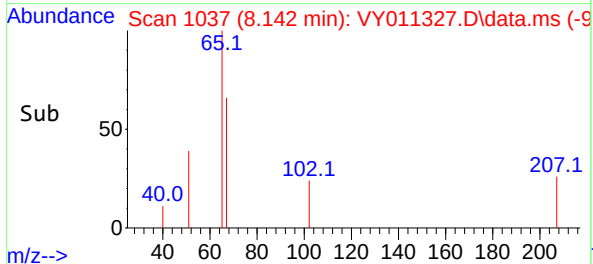
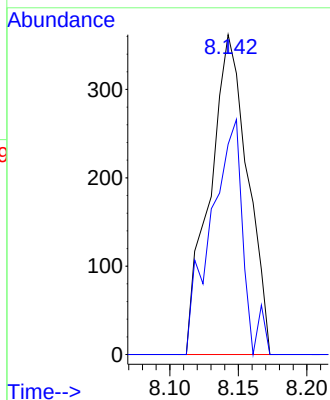
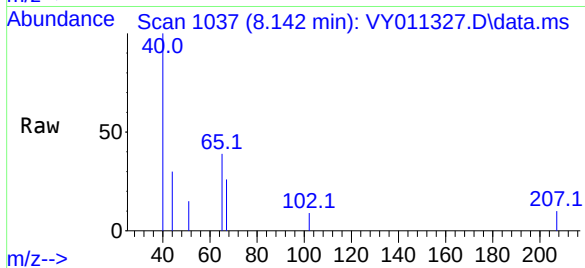
PTS-TP-COMP-1103

Tgt Ion: 65 Resp: 696

Ion Ratio Lower Upper

65 100

67 62.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011327.D

Acq: 07 Nov 2022 11:48

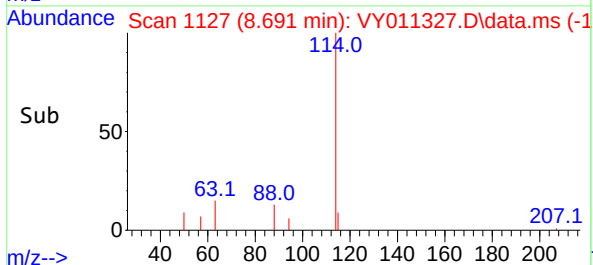
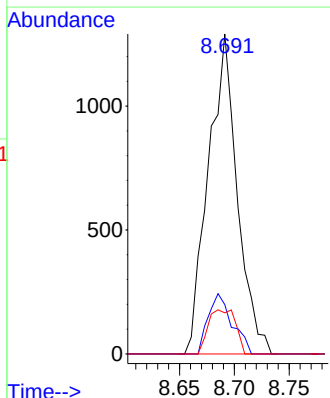
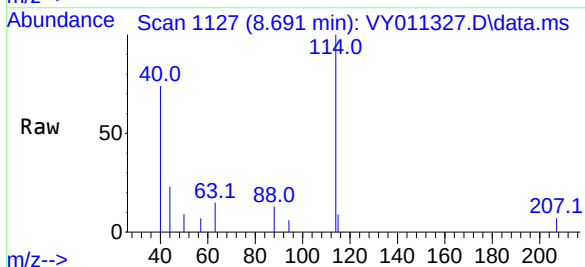
Tgt Ion:114 Resp: 2377

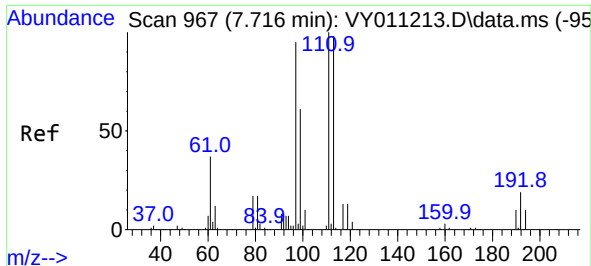
Ion Ratio Lower Upper

114 100

63 15.4 0.0 43.2

88 12.9 0.0 31.8

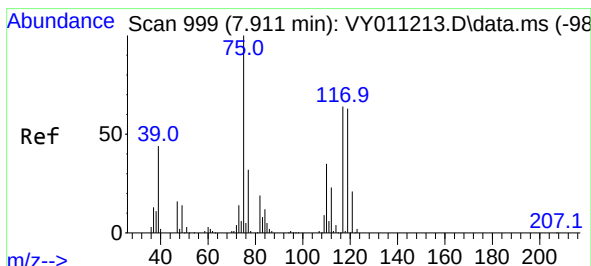
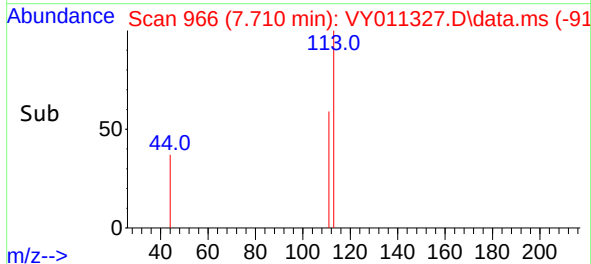
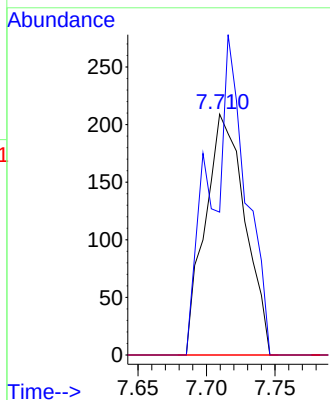
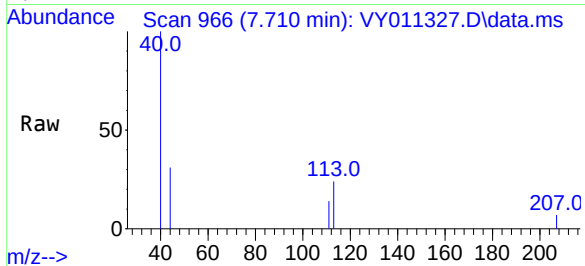




#35
Dibromofluoromethane
Concen: 27.697 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

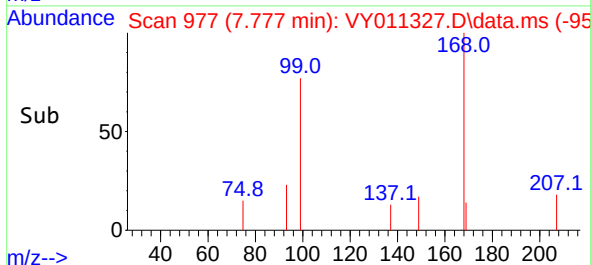
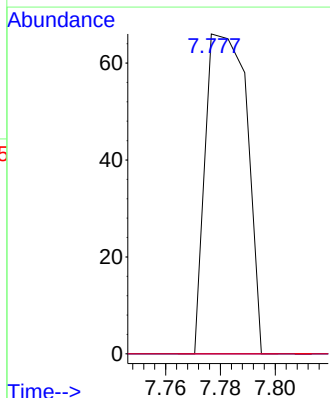
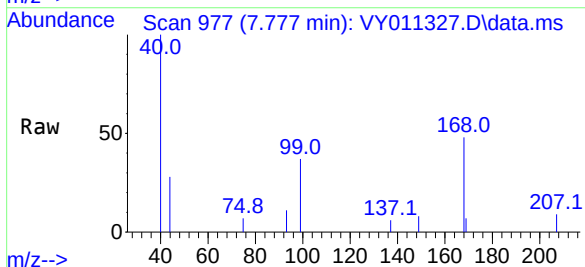
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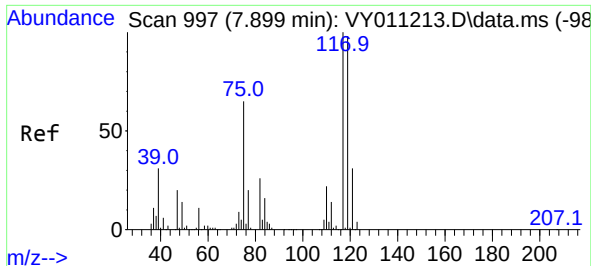
Tgt Ion:113 Resp: 423
Ion Ratio Lower Upper
113 100
111 116.8 82.6 124.0
192 0.0 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 2.767 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.140 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

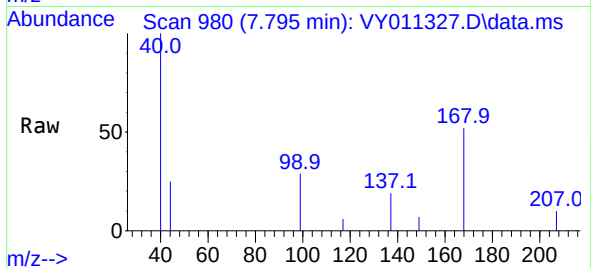
Tgt Ion: 75 Resp: 69
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#



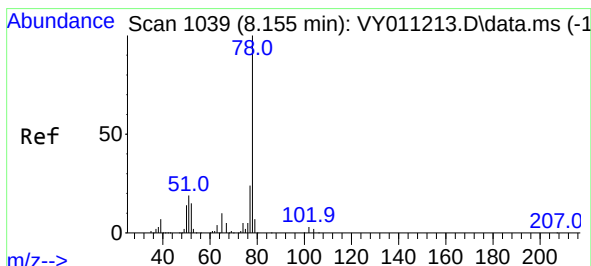
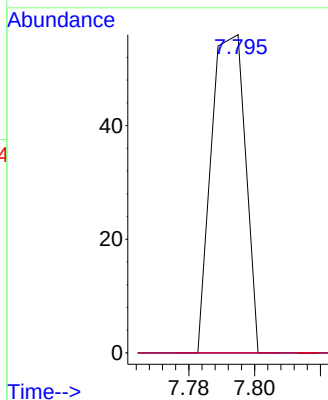
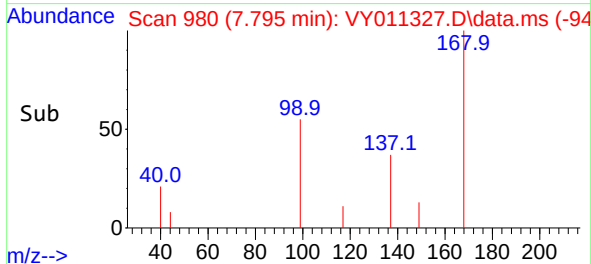


#38
Carbon Tetrachloride
Concen: 1.546 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

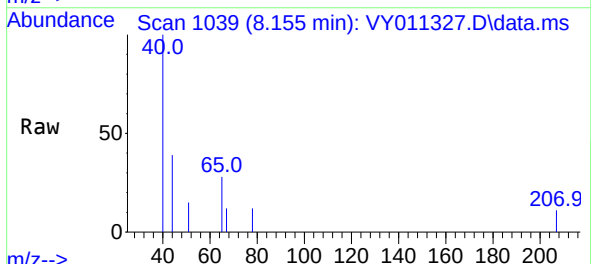
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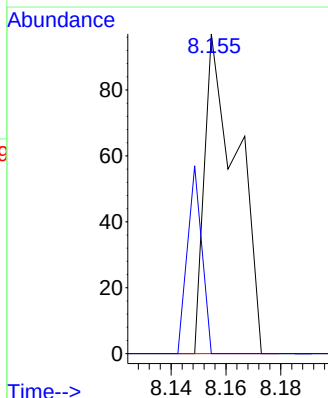
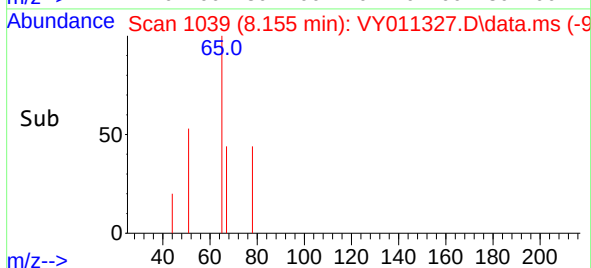
Tgt Ion:117 Resp: 40
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

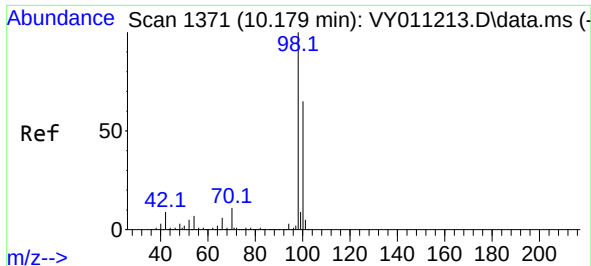


#40
Benzene
Concen: 1.091 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48



Tgt Ion: 78 Resp: 80
Ion Ratio Lower Upper
78 100
77 0.0 20.4 30.6#

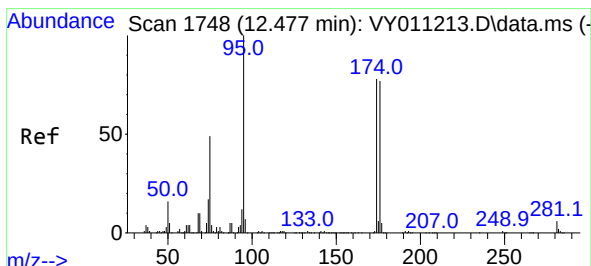
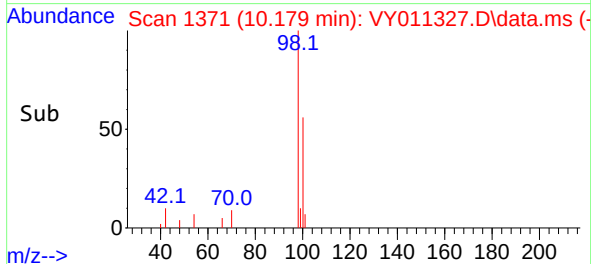
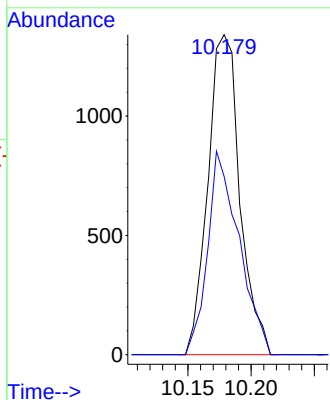
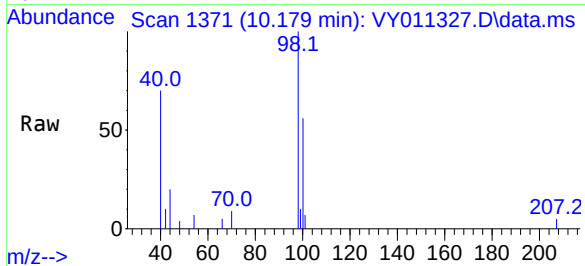




#50
Toluene-d8
Concen: 39.834 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

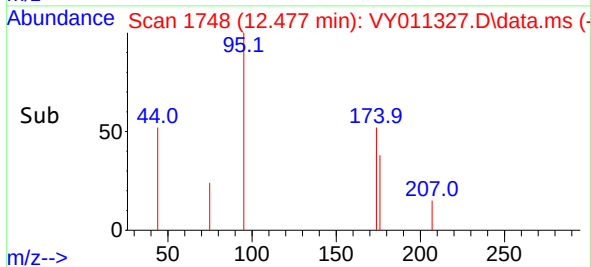
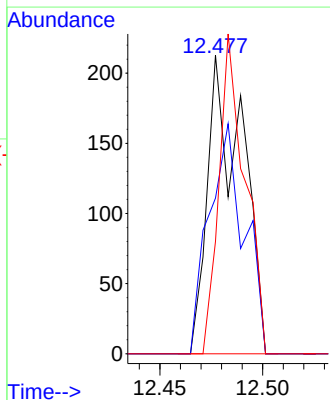
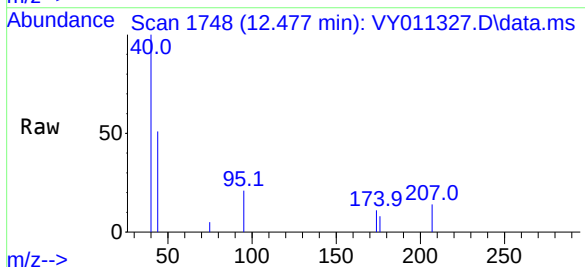
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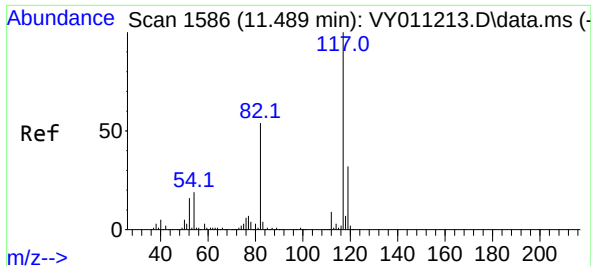
Tgt Ion: 98 Resp: 2362
Ion Ratio Lower Upper
98 100
100 62.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 12.145 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

Tgt Ion: 95 Resp: 250
Ion Ratio Lower Upper
95 100
174 78.0 0.0 177.0
176 80.0 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY011327.D

Acq: 07 Nov 2022 11:48

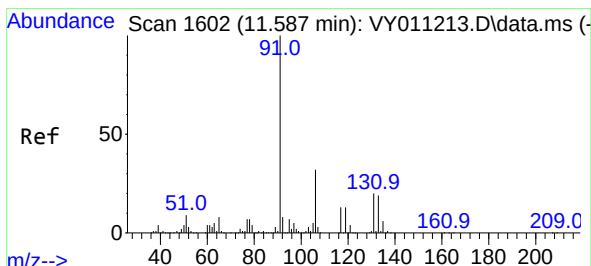
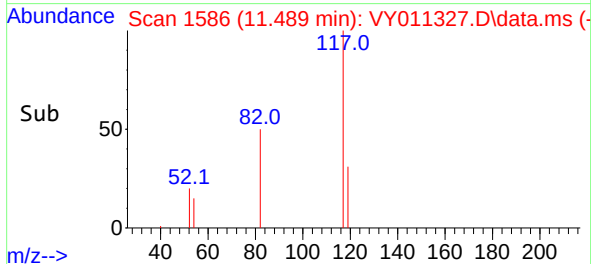
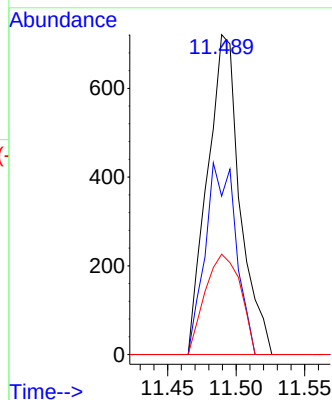
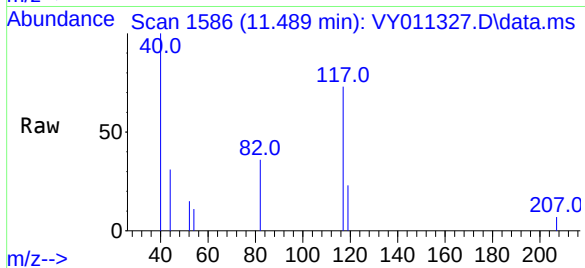
Instrument :

MSVOA_Y

ClientSampleId :

PTS-TP-COMP-1103

Tgt Ion:117	Resp:	1193
Ion	Ratio	Lower Upper
117	100	
82	49.5	43.0 64.4
119	31.3	25.4 38.0



#67

Ethyl Benzene

Concen: 1.585 ug/l

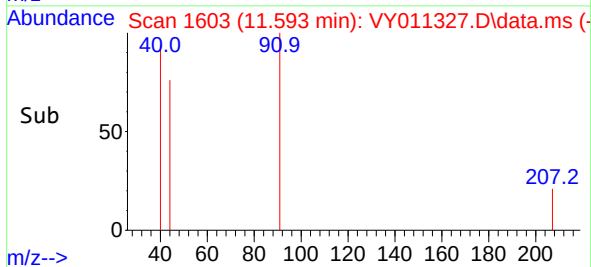
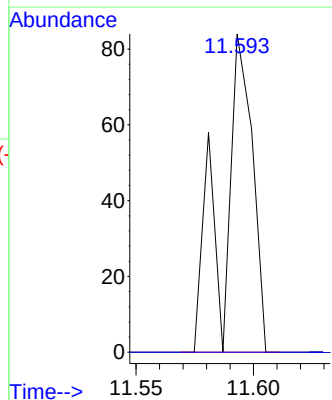
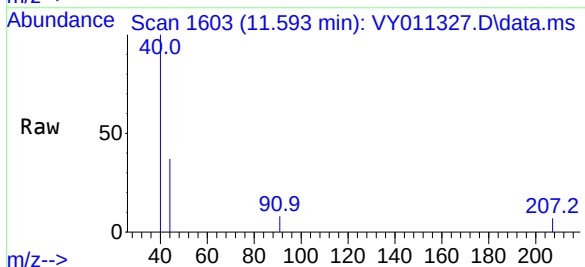
RT: 11.593 min Scan# 1603

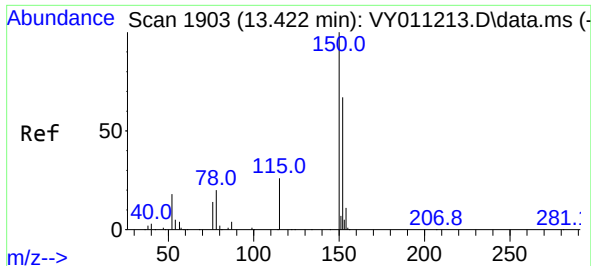
Delta R.T. 0.000 min

Lab File: VY011327.D

Acq: 07 Nov 2022 11:48

Tgt Ion: 91	Resp:	74
Ion	Ratio	Lower Upper
91	100	
106	0.0	24.5 36.7#

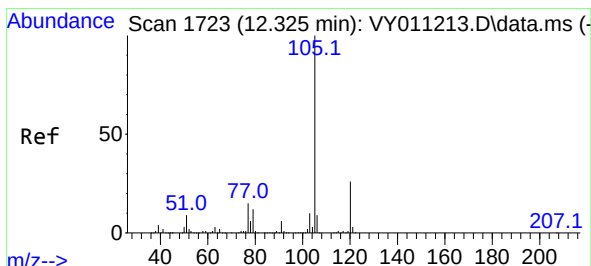
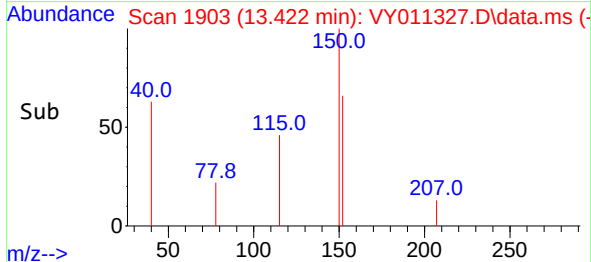
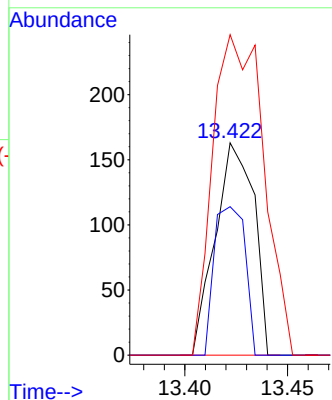
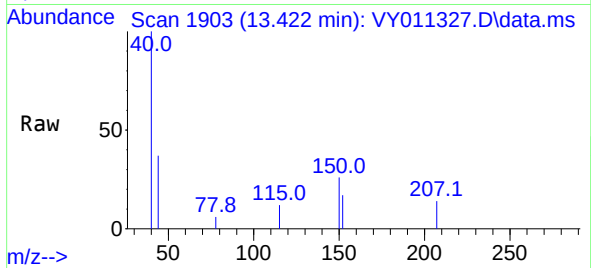




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

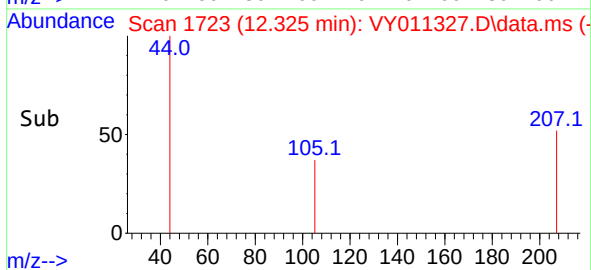
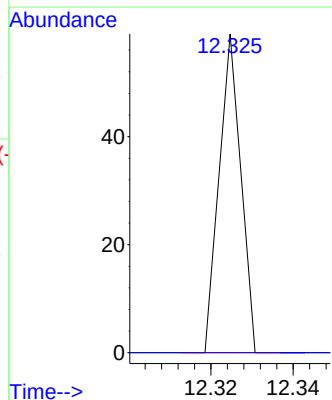
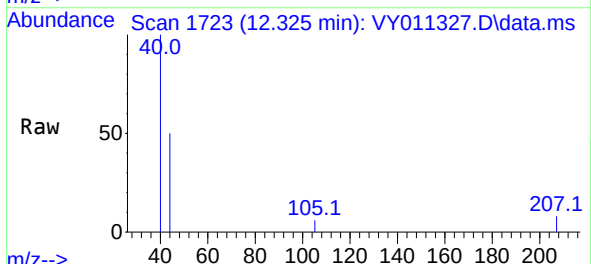
Instrument :
MSVOA_Y
ClientSampleId :
PTS-TP-COMP-1103

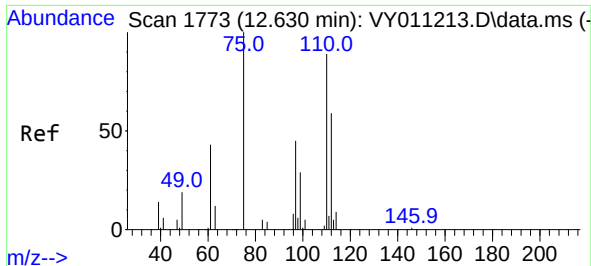
Tgt Ion:152 Resp: 213
Ion Ratio Lower Upper
152 100
115 55.9 28.2 84.7
150 199.1 0.0 347.6



#73
Isopropylbenzene
Concen: 1.381 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

Tgt Ion:105 Resp: 22
Ion Ratio Lower Upper
105 100
120 0.0 13.4 40.2#

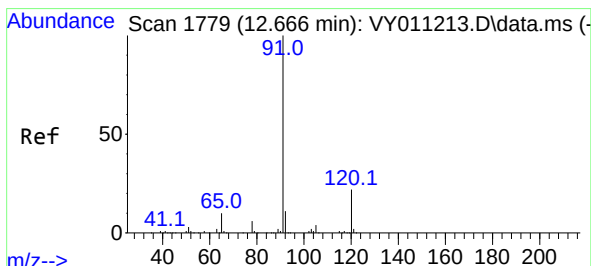
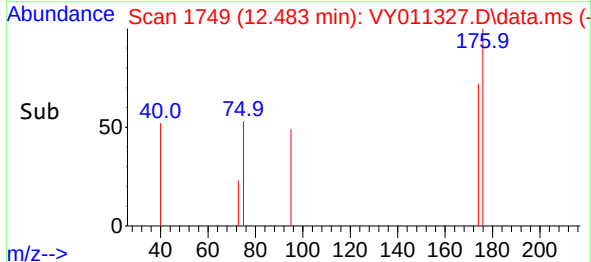
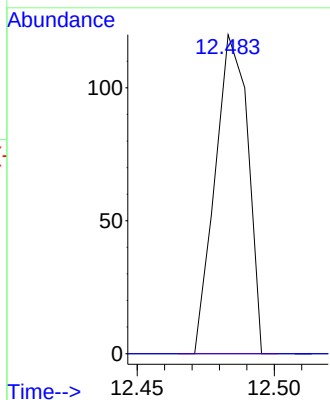
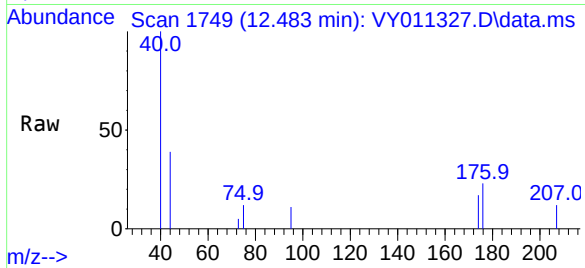




#76
1,2,3-Trichloropropane
Concen: 38.178 ug/l
RT: 12.483 min Scan# 1773
Delta R.T. -0.147 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

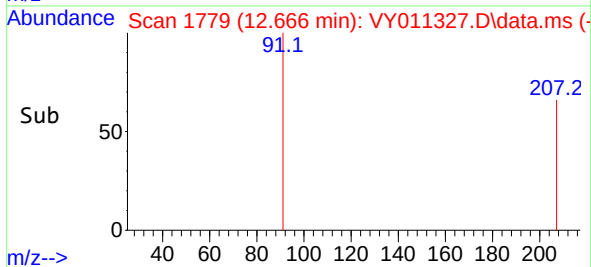
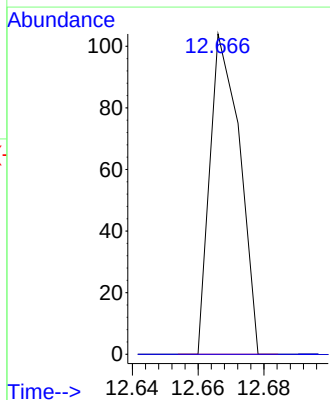
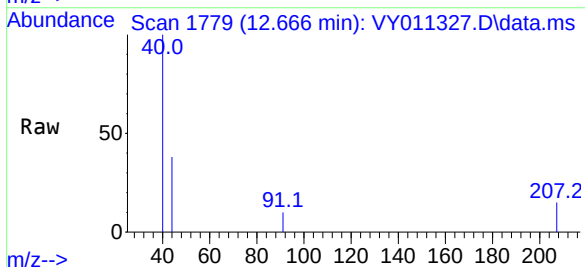
Instrument :
MSVOA_Y
ClientSampleId :
PTS-TP-COMP-1103

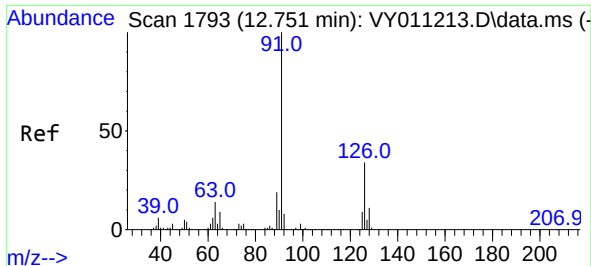
Tgt Ion: 75 Resp: 99
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 3.336 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

Tgt Ion: 91 Resp: 65
Ion Ratio Lower Upper
91 100
120 0.0 11.3 33.9#

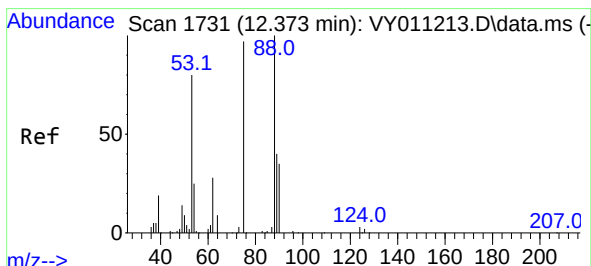
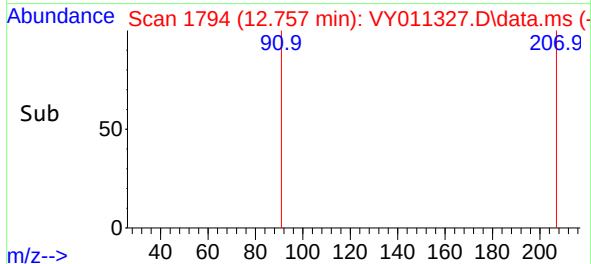
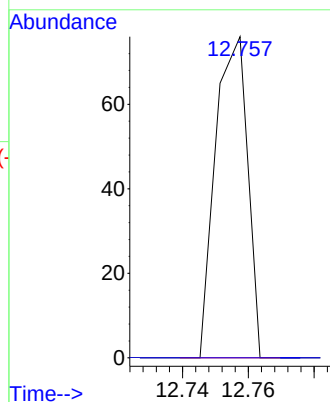
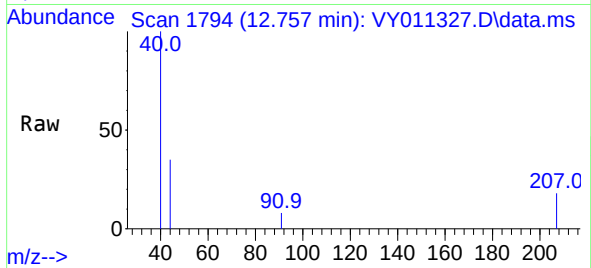




#79
2-Chlorotoluene
Concen: 4.657 ug/l
RT: 12.757 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

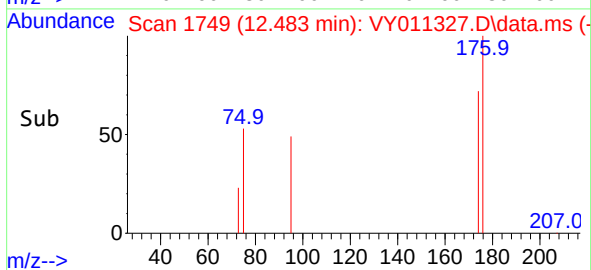
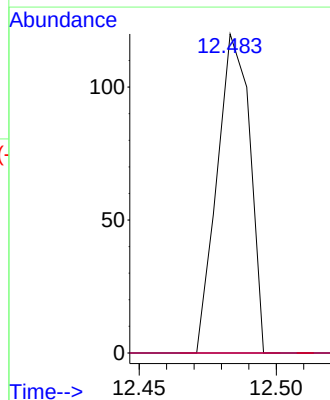
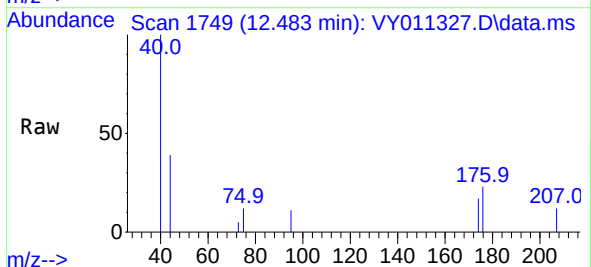
Instrument :
MSVOA_Y
ClientSampleId :
PTS-TP-COMP-1103

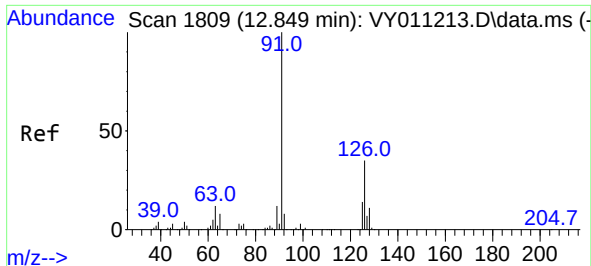
Tgt Ion: 91 Resp: 52
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.707 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

Tgt Ion: 75 Resp: 99
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

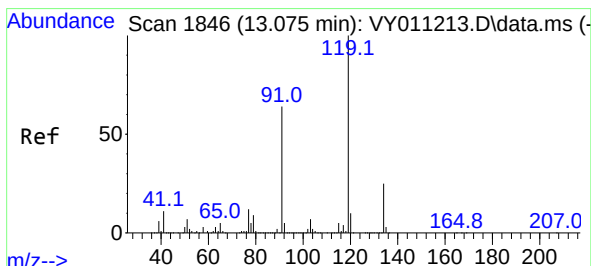
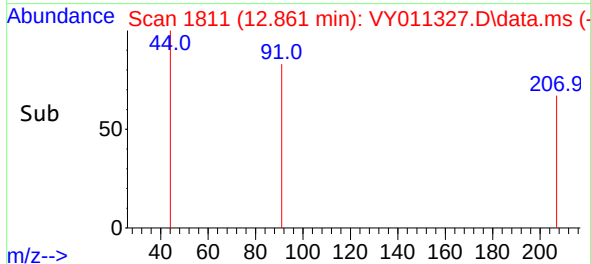
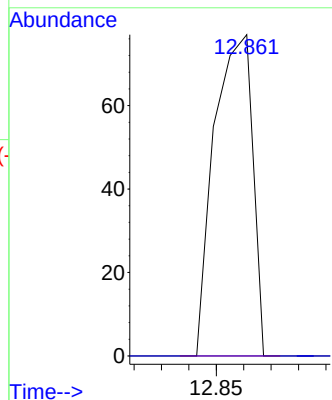
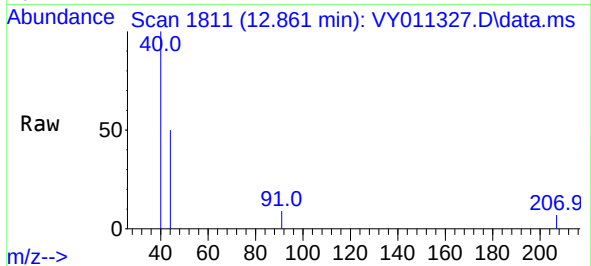




#82
4-Chlorotoluene
Concen: 6.518 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

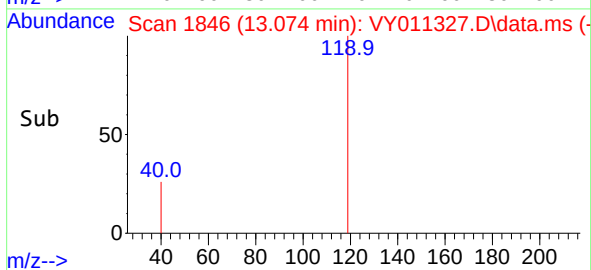
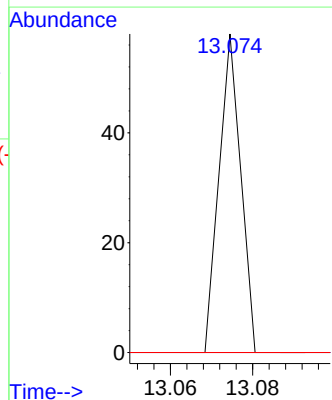
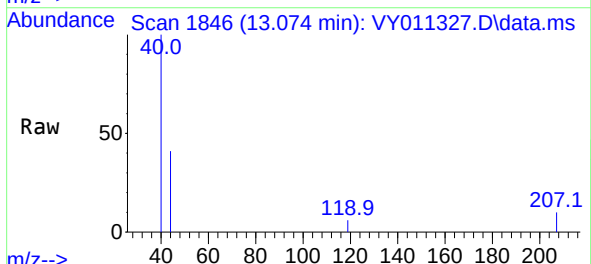
Instrument :
MSVOA_Y
ClientSampleId :
PTS-TP-COMP-1103

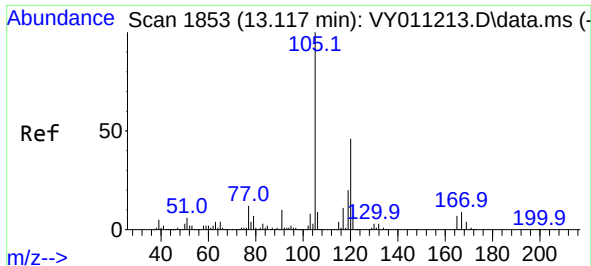
Tgt Ion: 91 Resp: 75
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#83
tert-Butylbenzene
Concen: 1.809 ug/l
RT: 13.074 min Scan# 1846
Delta R.T. -0.001 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

Tgt Ion: 119 Resp: 21
Ion Ratio Lower Upper
119 100
91 0.0 34.8 104.4#
134 0.0 13.3 39.9#

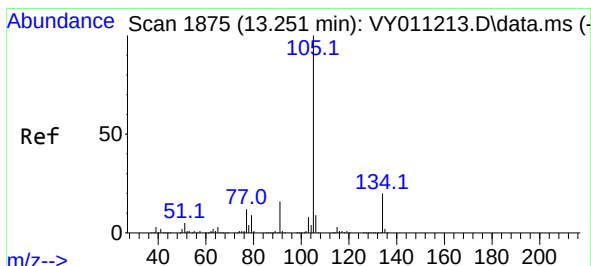
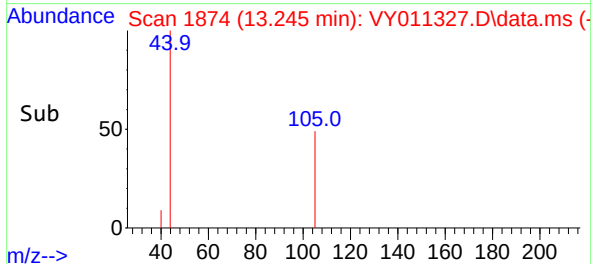
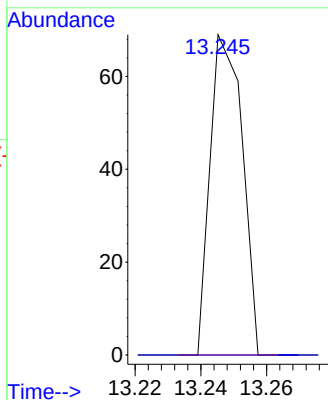
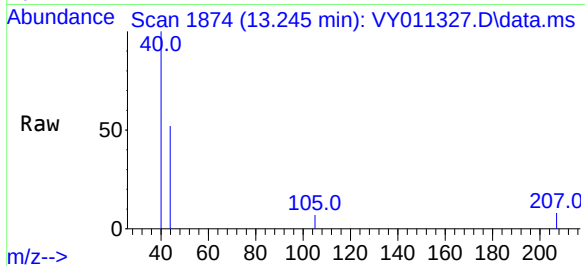




#84
1,2,4-Trimethylbenzene
Concen: 3.526 ug/l
RT: 13.245 min Scan# 1853
Delta R.T. 0.128 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

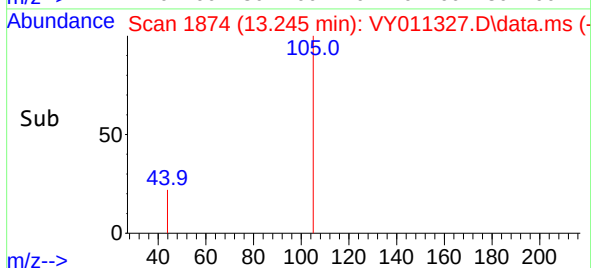
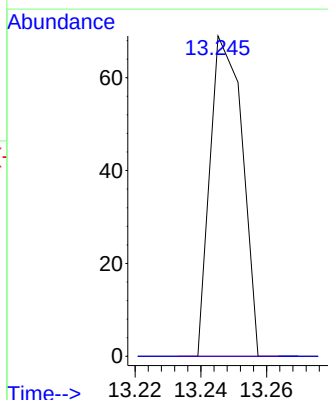
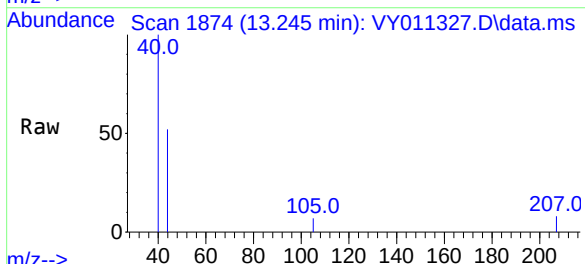
Instrument :
MSVOA_Y
ClientSampleId :
PTS-TP-COMP-1103

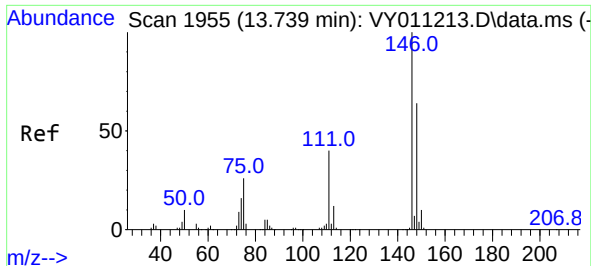
Tgt Ion:105 Resp: 47
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.9#



#85
sec-Butylbenzene
Concen: 2.730 ug/l
RT: 13.245 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

Tgt Ion:105 Resp: 47
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#

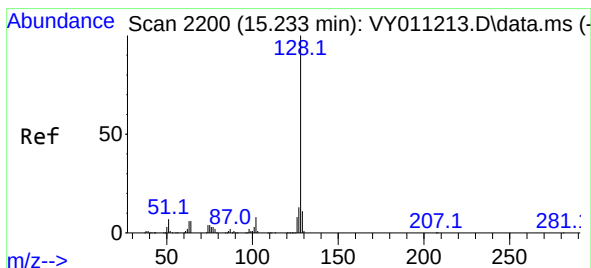
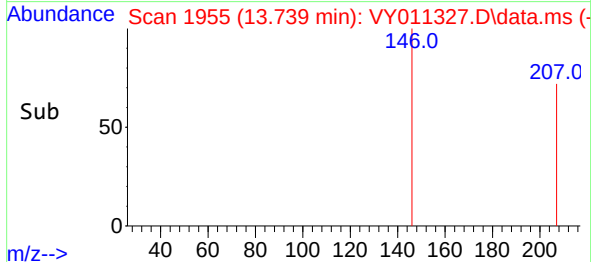
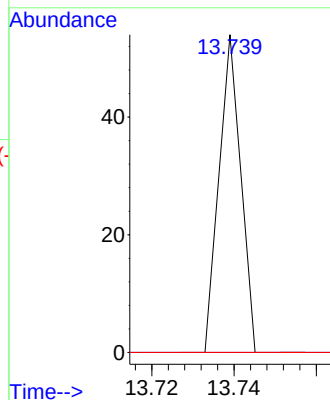
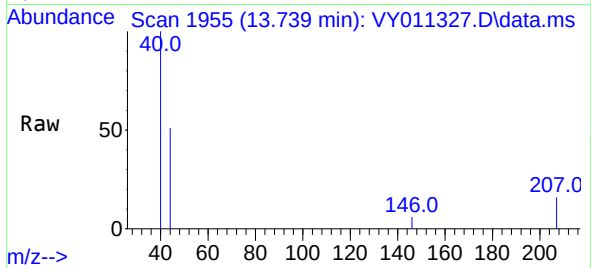




#91
1,2-Dichlorobenzene
Concen: 2.981 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

Instrument :
MSVOA_Y
ClientSampleId :
PTS-TP-COMP-1103

Tgt Ion:	146	Resp:	20
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.3	60.9#
148	0.0	32.3	96.9#



#95
Naphthalene
Concen: 18.727 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY011327.D
Acq: 07 Nov 2022 11:48

Tgt Ion:	128	Resp:	152
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

