

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021121\
 Data File : VY004013.D
 Acq On : 11 Feb 2021 19:53
 Operator : SY/MD
 Sample : M1398-01
 Misc : 6.60g/5mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VCP-SS-1-SOIL

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:36:09 PM

Quant Time: Feb 12 00:13:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 01 00:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	182858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	303161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	209467	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.410	152	242092	50.00	ug/l	#-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	114915	57.15	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.30%			
35) Dibromofluoromethane	7.722	113	92623	52.25	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.50%			
50) Toluene-d8	10.179	98	836222	120.22	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 240.44%#			
62) 4-Bromofluorobenzene	12.483	95	781325	308.14	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 616.28%#			
Target Compounds					Qvalue	
16) Acetone	3.973	43	207041	419.47	ug/l	96
17) Carbon Disulfide	4.192	76	12945	2.39	ug/l	98
25) 2-Butanone	6.996	43	22814	32.44	ug/l	96
29) Tetrahydrofuran	7.362	42	10932	24.39	ug/l	96
31) Cyclohexane	7.783	56	72380	21.44	ug/l	97
39) Methylcyclohexane	9.185	83	1432415	391.94	ug/l	97
73) Isopropylbenzene	12.337	105	5630245	324.93	ug/l	98
78) n-propylbenzene	12.678	91	12142816	588.96	ug/l	89
80) 1,3,5-Trimethylbenzene	12.818	105	276848	18.62	ug/l	95
83) tert-Butylbenzene	13.081	119	247288	20.00	ug/l #	78
84) 1,2,4-Trimethylbenzene	13.123	105	538013	36.10	ug/l	96
85) sec-Butylbenzene	13.257	105	9715711	567.10	ug/l	82
86) p-Isopropyltoluene	13.373	119	219549m	13.74	ug/l	
89) n-Butylbenzene	13.696	91	4835062	325.86	ug/l #	88

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

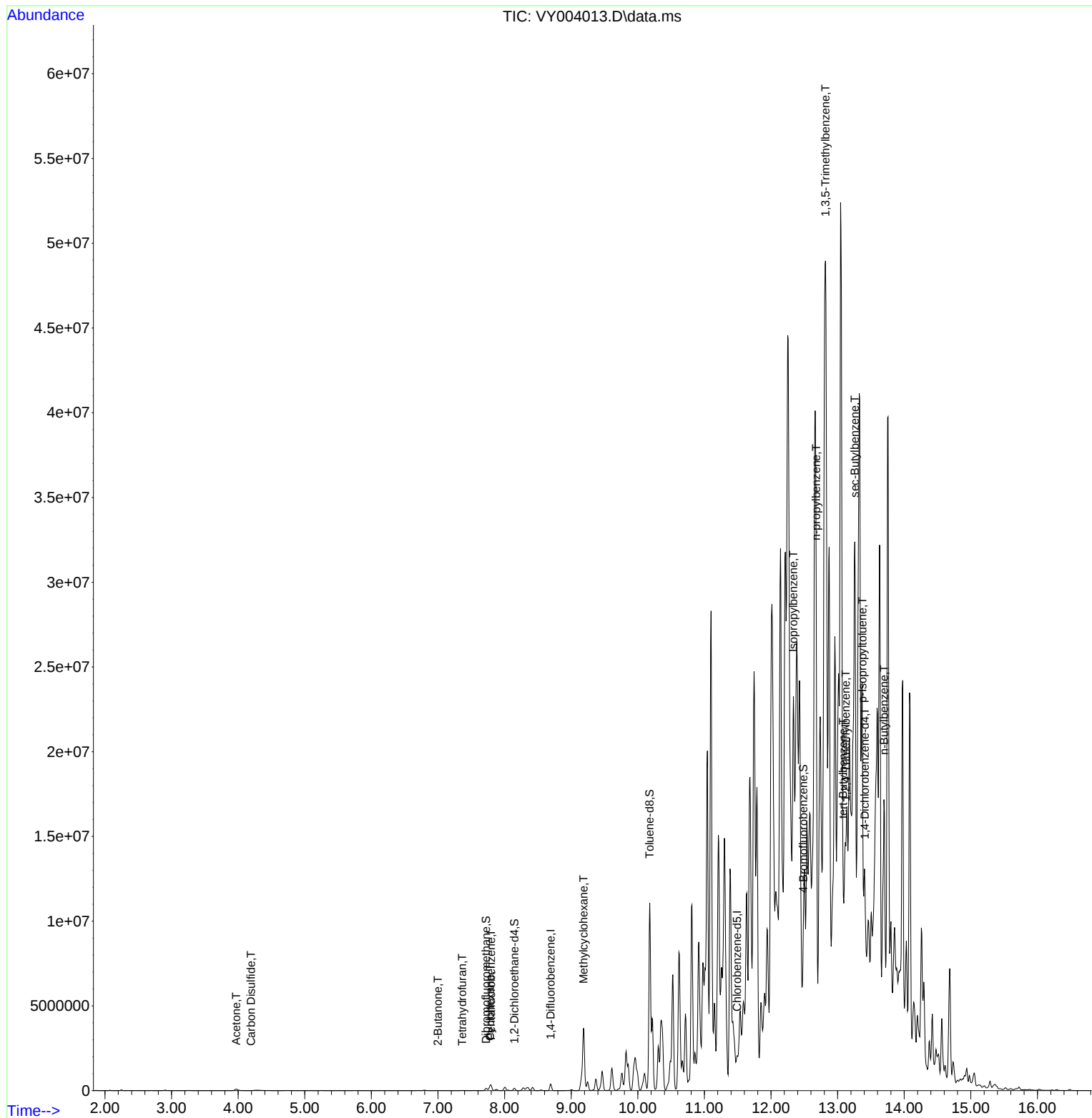
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021121\
Data File : VY004013.D
Acq On : 11 Feb 2021 19:53
Operator : SY/MD
Sample : M1398-01
Misc : 6.60g/5mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

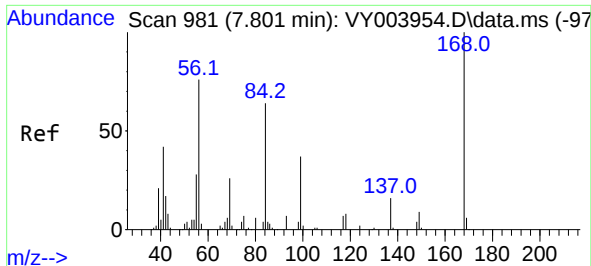
Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-1-SOIL

Manual Integrations
APPROVED

MMDadoda
2/12/2021 1:36:09 PM

Quant Time: Feb 12 00:13:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 01 00:38:02 2021
Response via : Initial Calibration





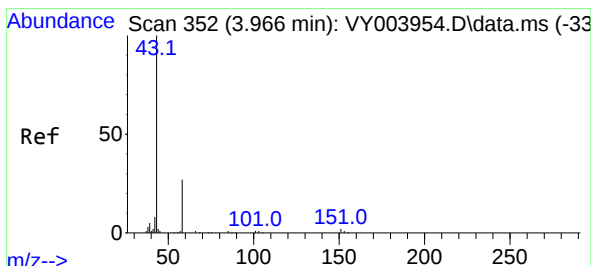
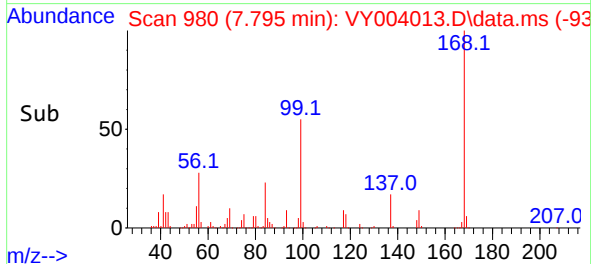
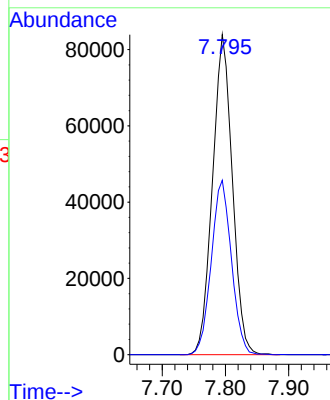
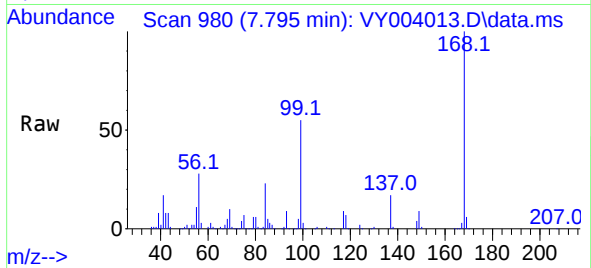
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion:168 Resp: 182858
Ion Ratio Lower Upper
168 100
99 54.5 46.1 69.1

Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-1-SOIL

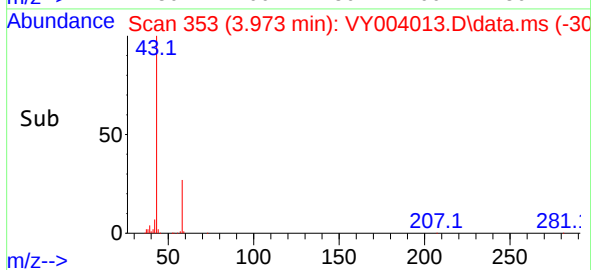
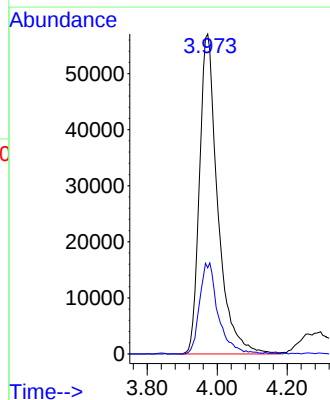
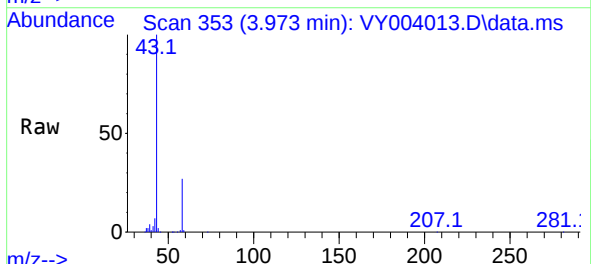
Manual Integrations
APPROVED

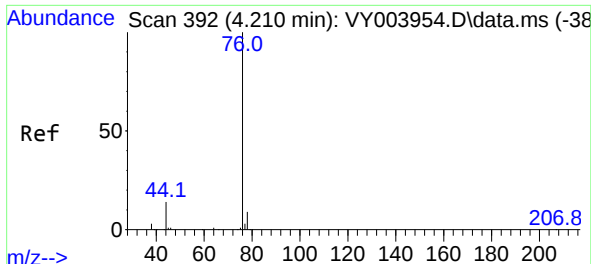
MMDadoda
2/12/2021 1:36:09 PM



#16
Acetone
Concen: 419.47 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

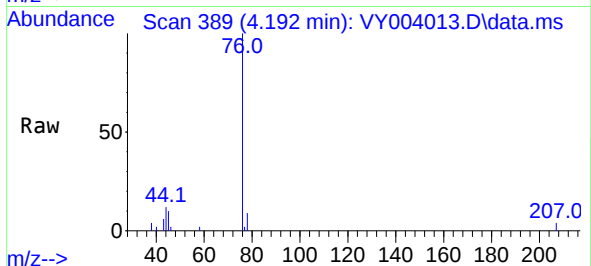
Tgt Ion: 43 Resp: 207041
Ion Ratio Lower Upper
43 100
58 26.9 23.4 35.0





#17
Carbon Disulfide
Concen: 2.39 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.018 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

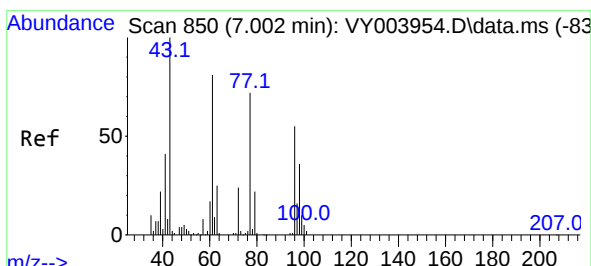
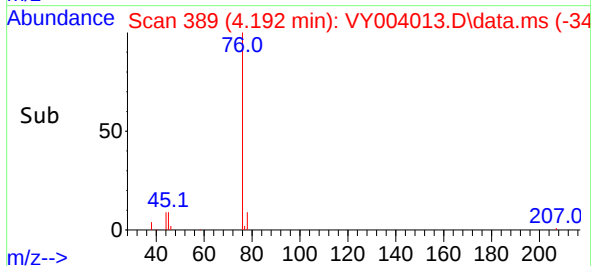
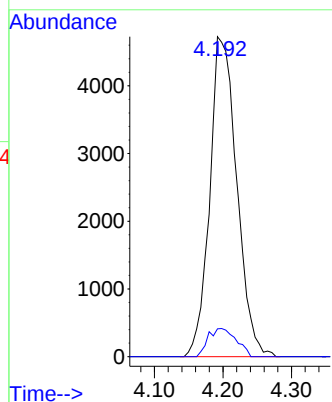
Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-1-SOIL



Tgt Ion: 76 Resp: 12945
Ion Ratio Lower Upper
76 100
78 8.7 6.3 9.5

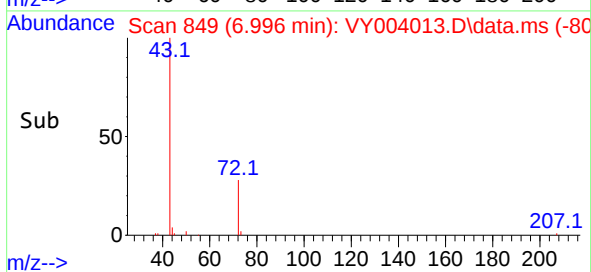
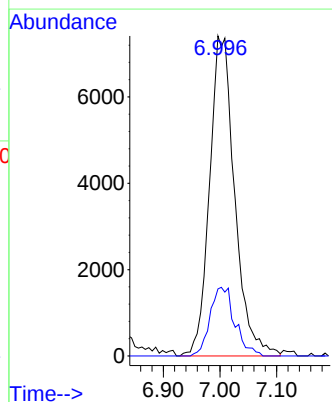
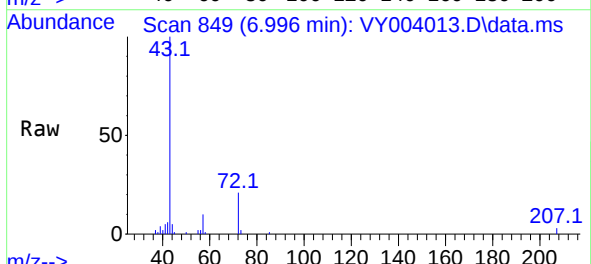
Manual Integrations
APPROVED

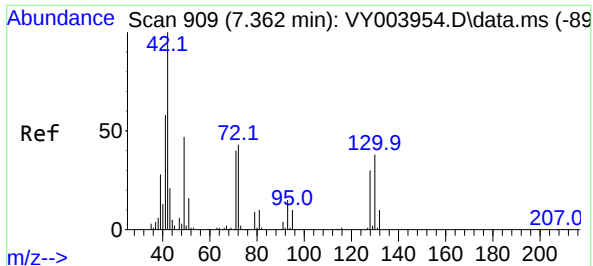
MMDadoda
2/12/2021 1:36:09 PM



#25
2-Butanone
Concen: 32.44 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

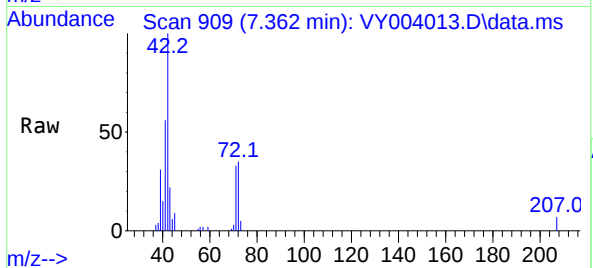
Tgt Ion: 43 Resp: 22814
Ion Ratio Lower Upper
43 100
72 21.0 18.5 27.7





#29
Tetrahydrofuran
Concen: 24.39 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

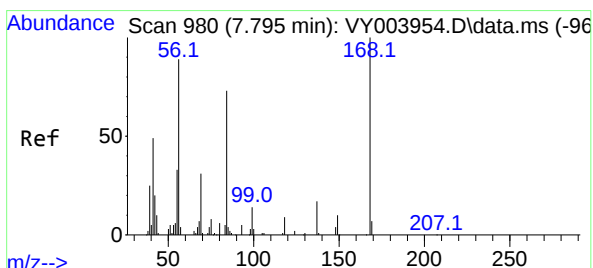
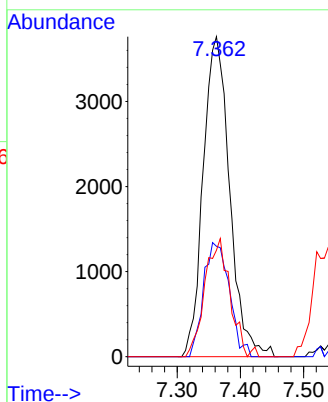
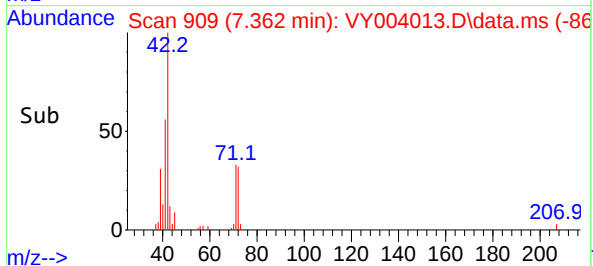
Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-1-SOIL



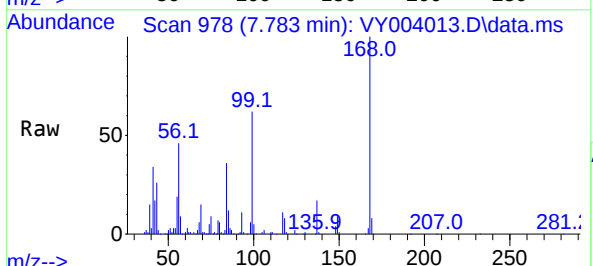
Tgt Ion: 42 Resp: 10932
Ion Ratio Lower Upper
42 100
72 34.8 30.6 45.8
71 34.5 28.6 43.0

Manual Integrations
APPROVED

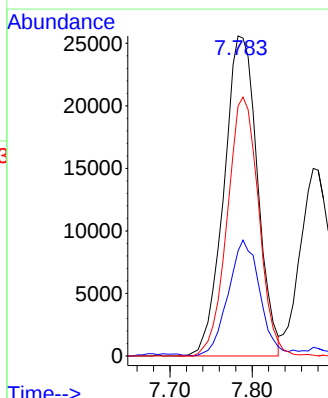
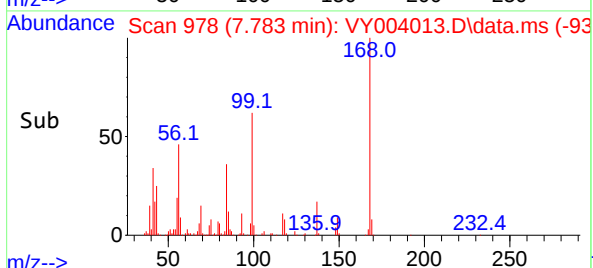
MMDadoda
2/12/2021 1:36:09 PM

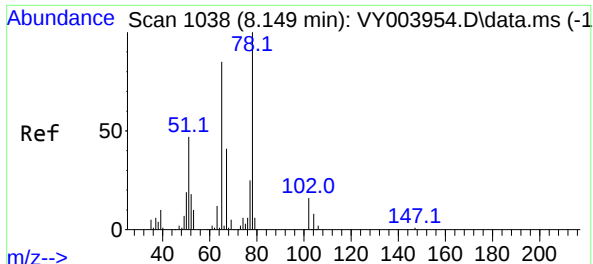


#31
Cyclohexane
Concen: 21.44 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.012 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53



Tgt Ion: 56 Resp: 72380
Ion Ratio Lower Upper
56 100
69 32.2 25.0 37.4
84 78.1 64.5 96.7





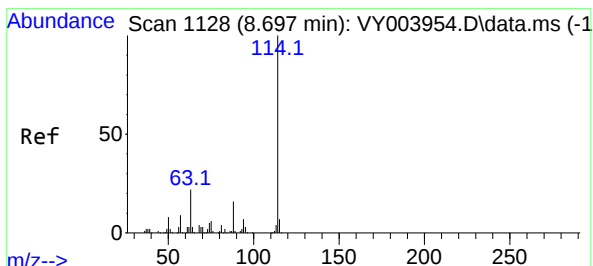
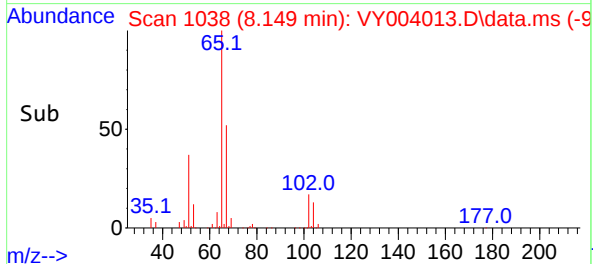
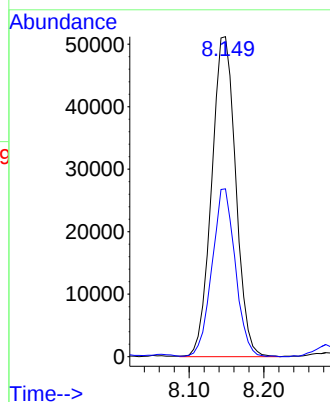
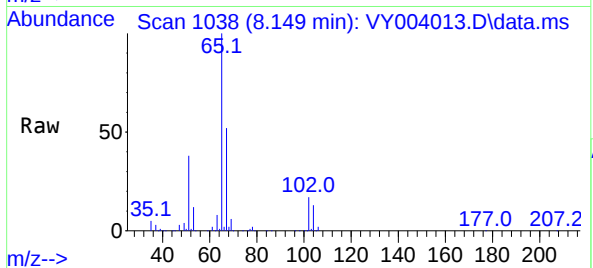
#33
1,2-Dichloroethane-d4
Concen: 57.15 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion: 65 Resp: 114915
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.8

Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-1-SOIL

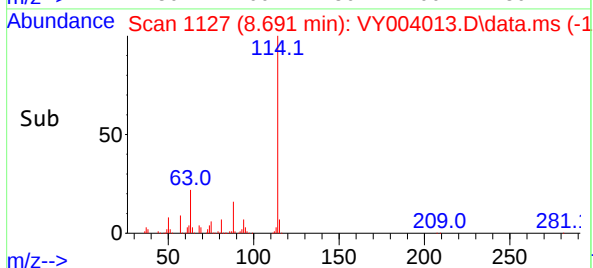
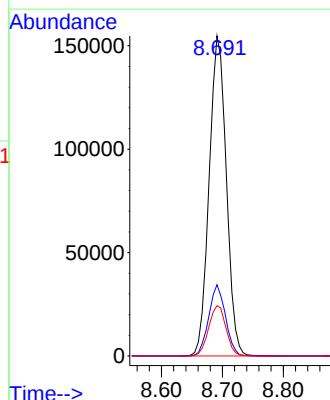
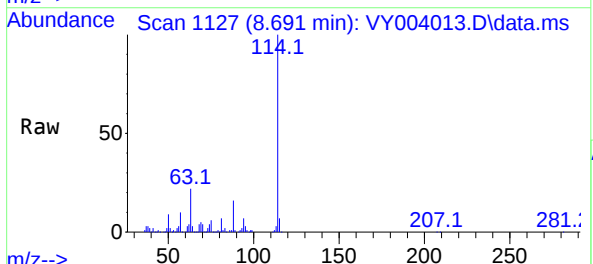
Manual Integrations
APPROVED

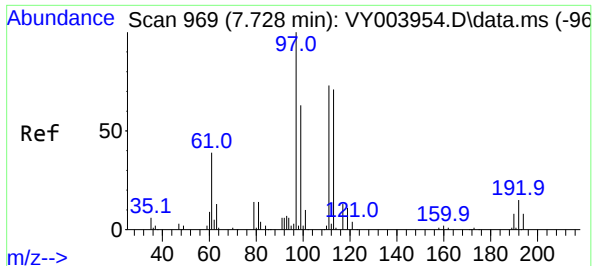
MMDadoda
2/12/2021 1:36:09 PM



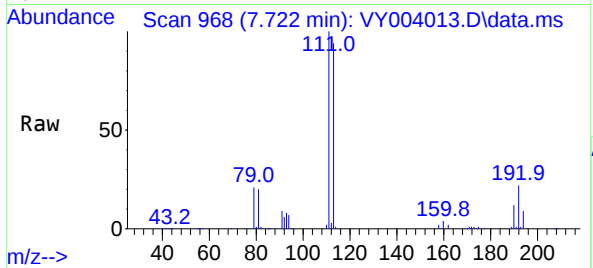
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion: 114 Resp: 303161
Ion Ratio Lower Upper
114 100
63 22.2 0.0 47.2
88 15.7 0.0 30.2

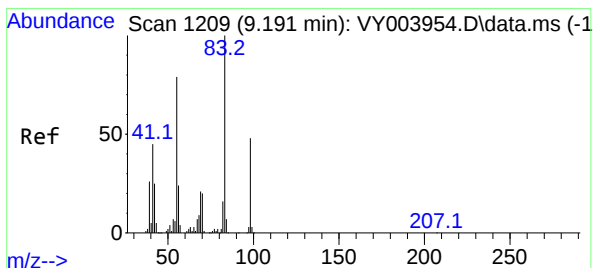
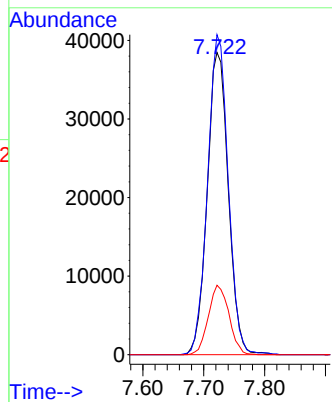
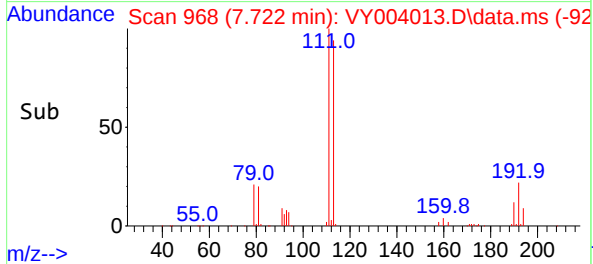




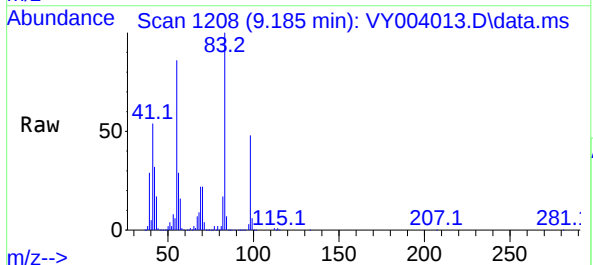
#35
Dibromofluoromethane
Concen: 52.25 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53



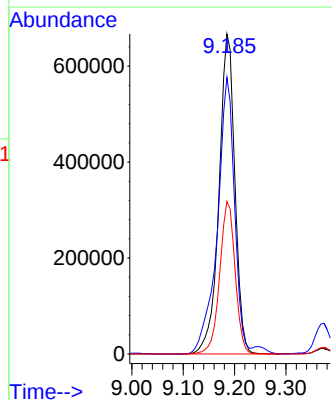
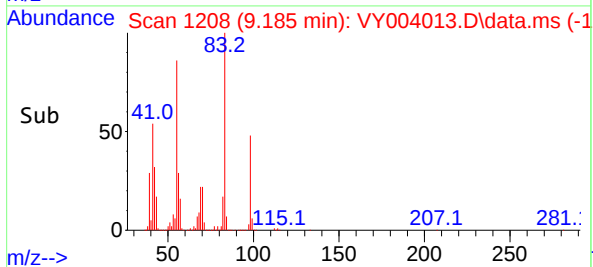
Tgt Ion:113 Resp: 92623
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 22.5 18.3 27.5



#39
Methylcyclohexane
Concen: 391.94 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53



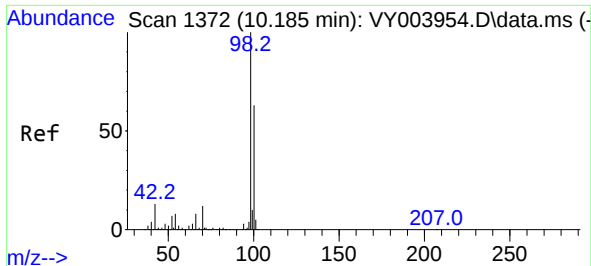
Tgt Ion: 83 Resp: 1432415
Ion Ratio Lower Upper
83 100
55 86.4 65.8 98.6
98 47.7 38.3 57.5



Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-1-SOIL

Manual Integrations
APPROVED

MMDadoda
2/12/2021 1:36:09 PM



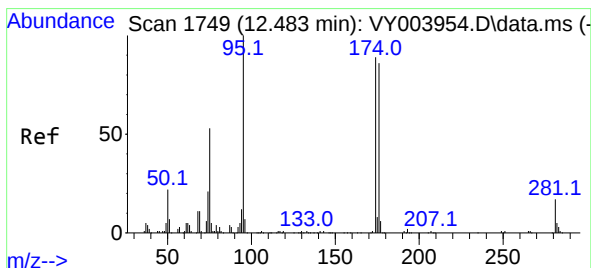
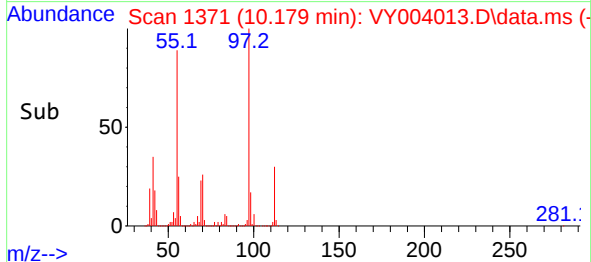
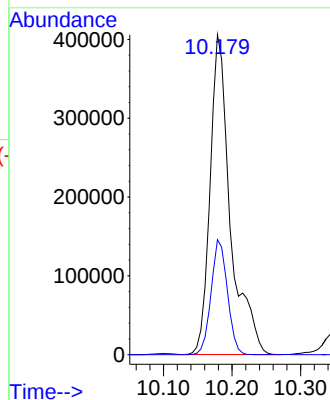
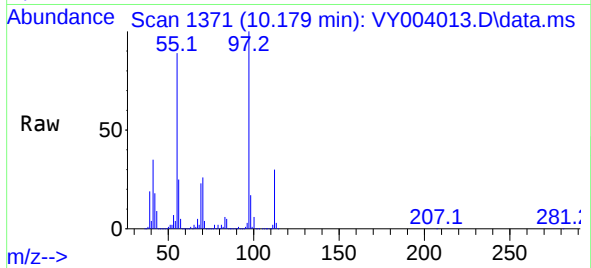
#50
Toluene-d8
Concen: 120.22 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion: 98 Resp: 836222
Ion Ratio Lower Upper
98 100
100 28.9 50.5 75.7#

Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-1-SOIL

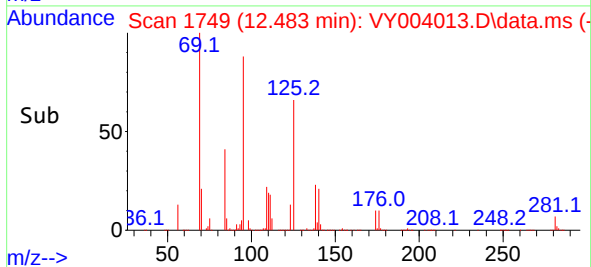
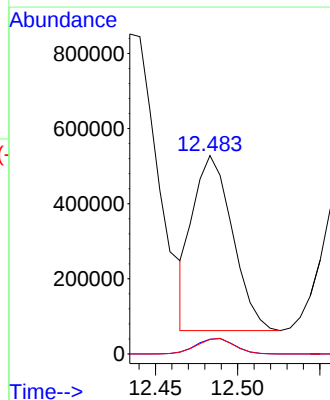
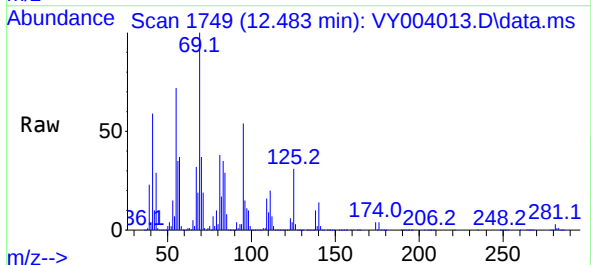
Manual Integrations
APPROVED

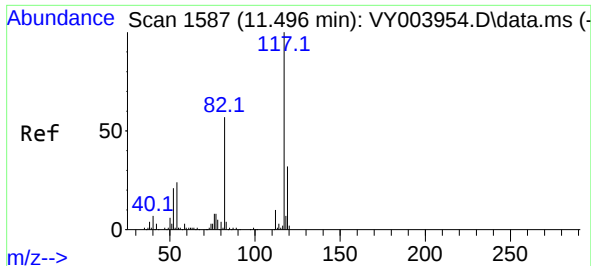
MMDadoda
2/12/2021 1:36:09 PM



#62
4-Bromofluorobenzene
Concen: 308.14 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion: 95 Resp: 781325
Ion Ratio Lower Upper
95 100
174 8.6 0.0 184.4
176 8.4 0.0 177.2





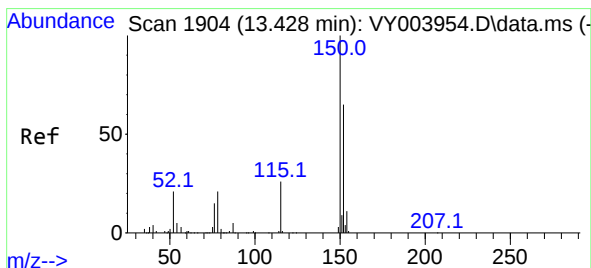
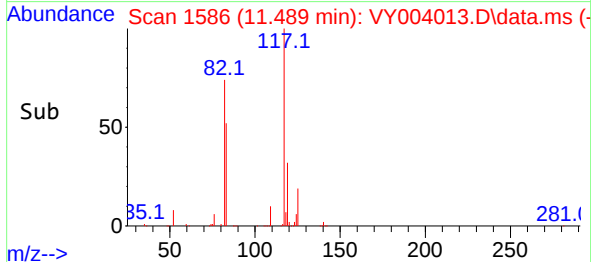
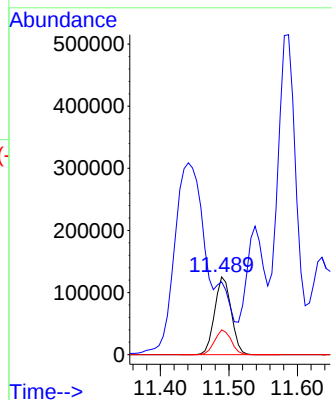
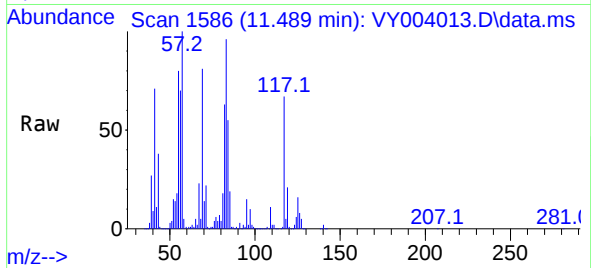
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion:117 Resp: 209467
Ion Ratio Lower Upper
117 100
82 0.0 44.3 66.5#
119 31.9 25.0 37.6

Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-1-SOIL

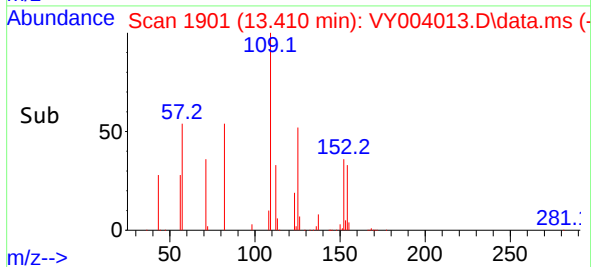
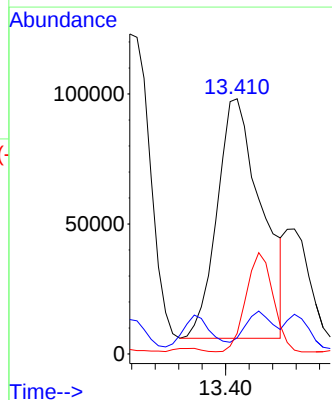
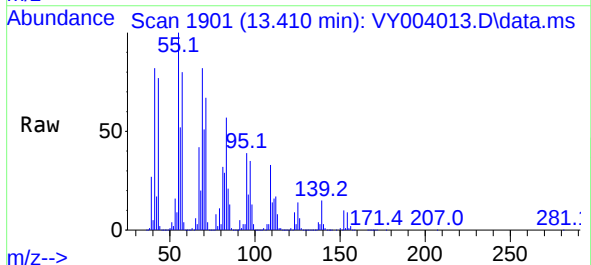
Manual Integrations
APPROVED

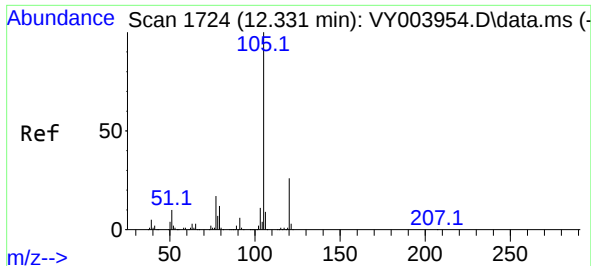
MMDadoda
2/12/2021 1:36:09 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.410 min Scan# 1901
Delta R.T. -0.018 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion:152 Resp: 242092
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.6#
150 25.6 0.0 356.2





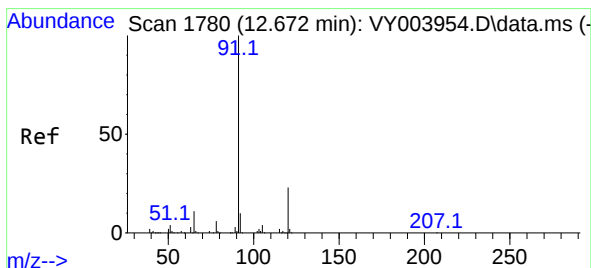
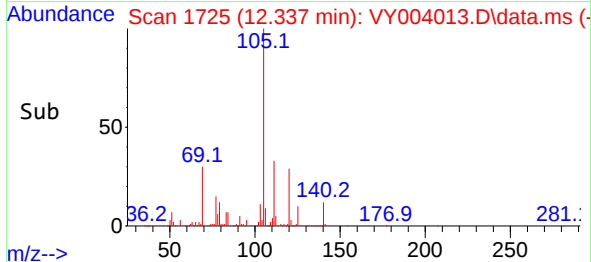
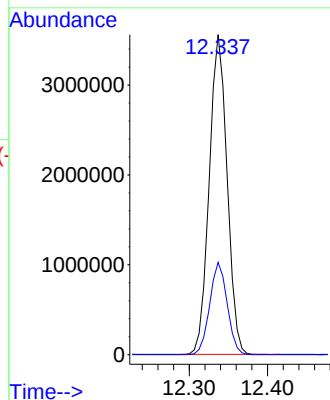
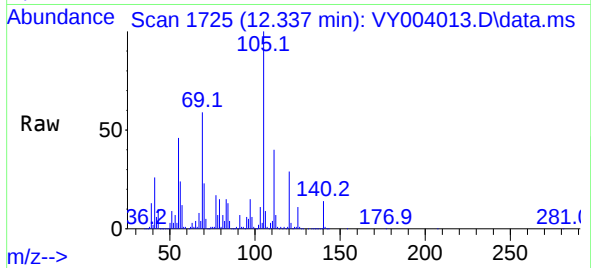
#73
Isopropylbenzene
Concen: 324.93 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion: 105 Resp: 5630245
Ion Ratio Lower Upper
105 100
120 28.2 13.6 40.8

Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-1-SOIL

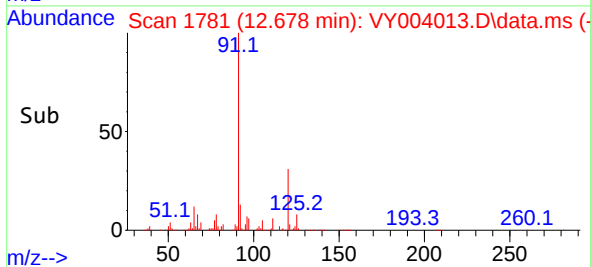
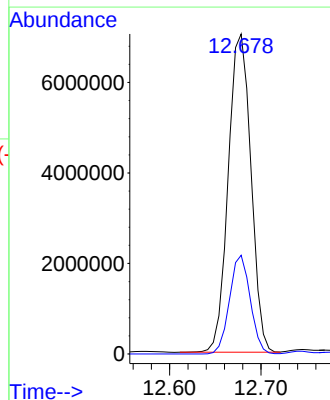
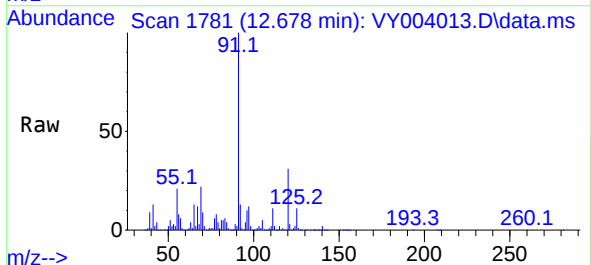
Manual Integrations
APPROVED

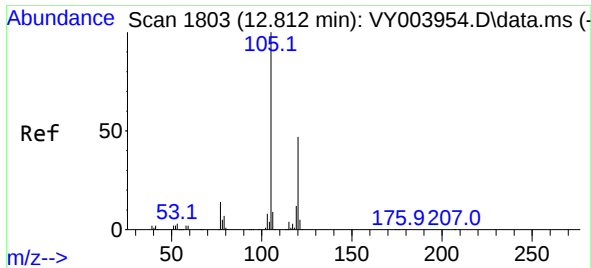
MMDadoda
2/12/2021 1:36:09 PM



#78
n-propylbenzene
Concen: 588.96 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion: 91 Resp: 12142816
Ion Ratio Lower Upper
91 100
120 28.3 11.4 34.2





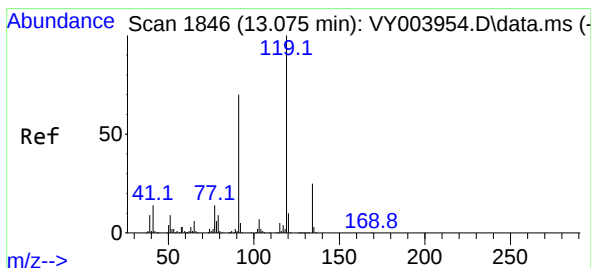
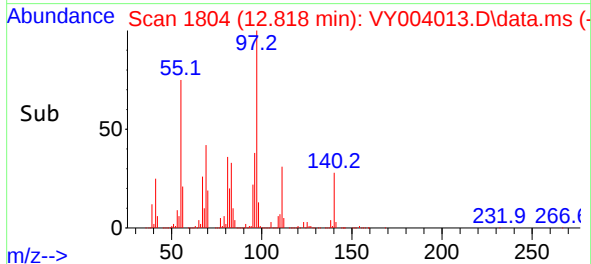
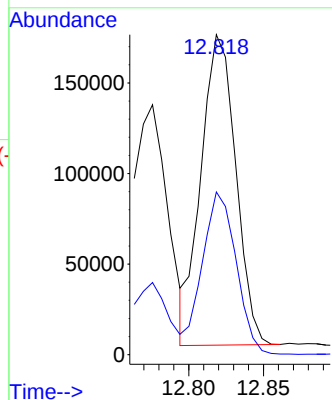
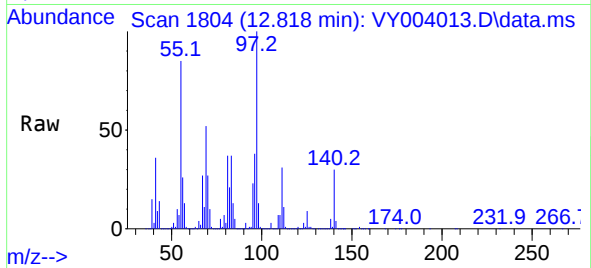
#80
1,3,5-Trimethylbenzene
Concen: 18.62 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion:105 Resp: 276848
Ion Ratio Lower Upper
105 100
120 51.1 23.9 71.7

Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-1-SOIL

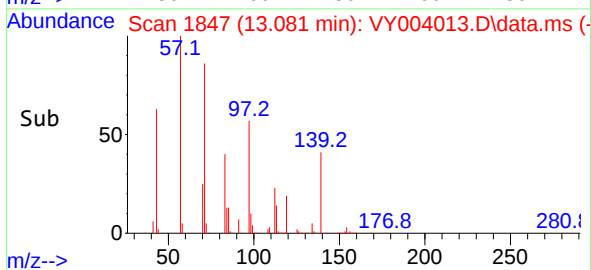
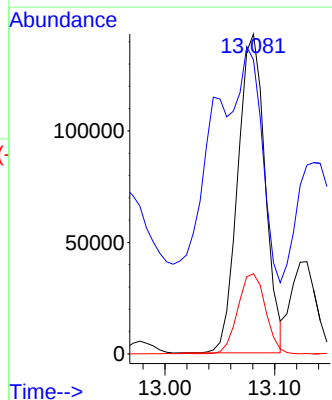
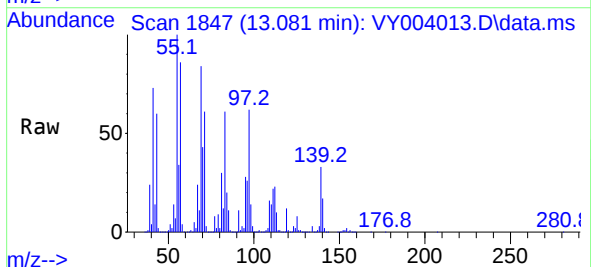
Manual Integrations
APPROVED

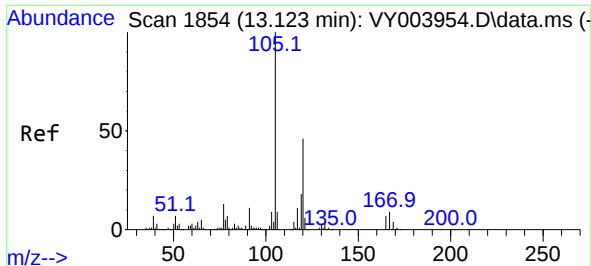
MMDadoda
2/12/2021 1:36:09 PM



#83
tert-Butylbenzene
Concen: 20.00 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.006 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion:119 Resp: 247288
Ion Ratio Lower Upper
119 100
91 60.8 35.1 105.3
134 0.0 13.2 39.5#





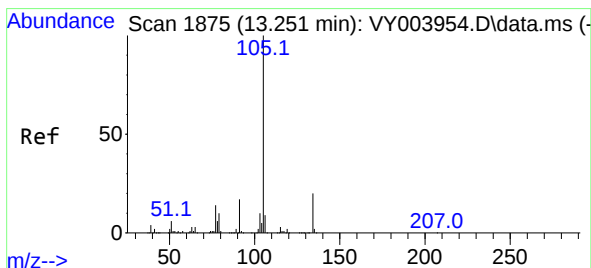
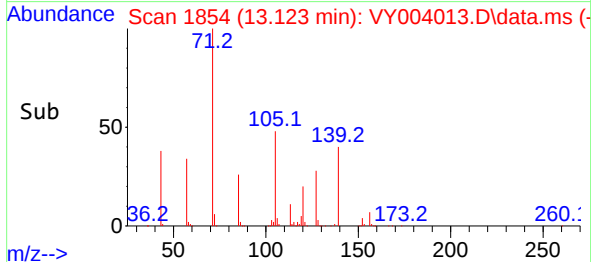
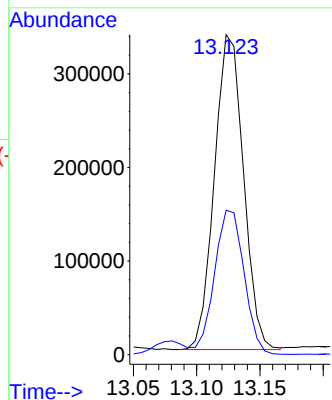
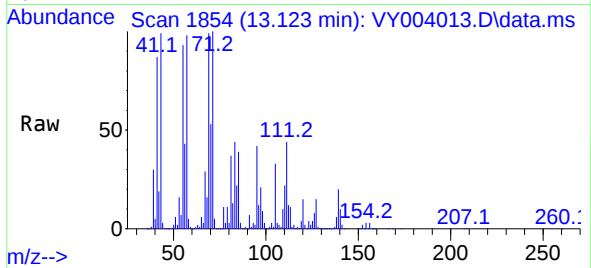
#84
1,2,4-Trimethylbenzene
Concen: 36.10 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion:105 Resp: 538013
Ion Ratio Lower Upper
105 100
120 46.8 22.2 66.6

Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-1-SOIL

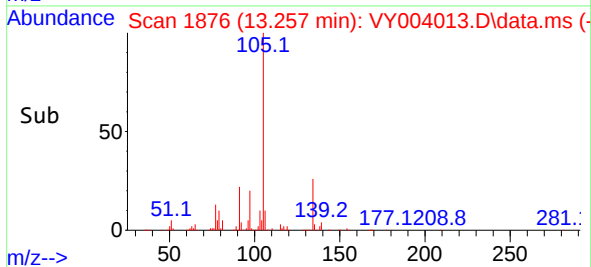
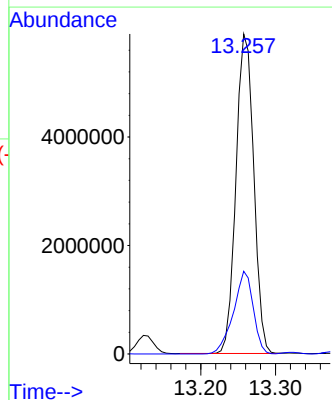
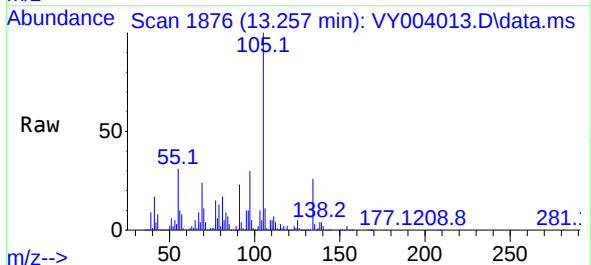
Manual Integrations
APPROVED

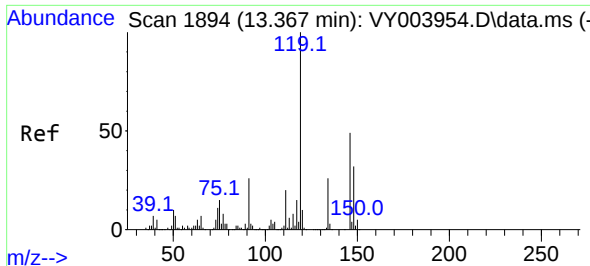
MMDadoda
2/12/2021 1:36:09 PM



#85
sec-Butylbenzene
Concen: 567.10 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion:105 Resp: 9715711
Ion Ratio Lower Upper
105 100
134 28.8 10.2 30.6





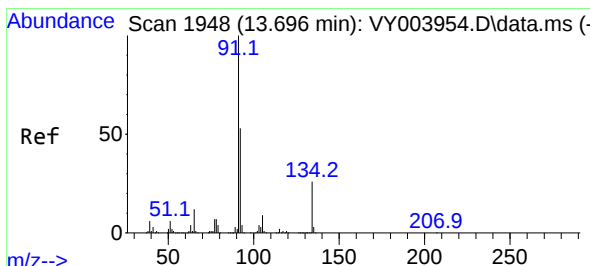
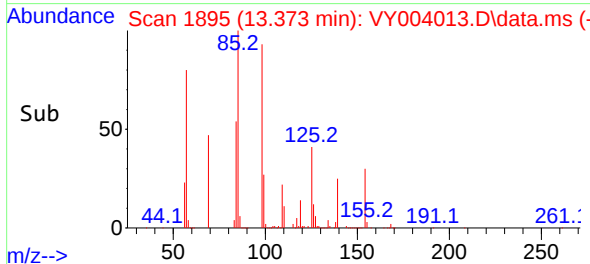
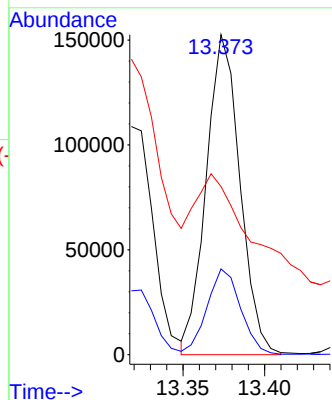
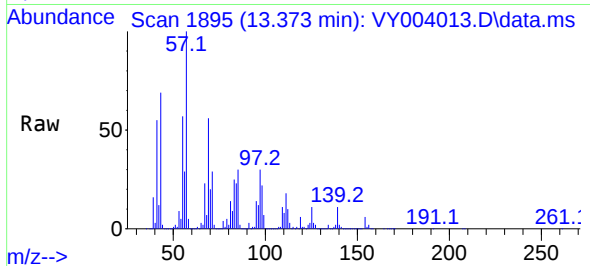
#86
p-Isopropyltoluene
Concen: 13.74 ug/l m
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion: 119 Resp: 219549
Ion Ratio Lower Upper
119 100
134 145.5 13.5 40.5#
91 181.4 12.8 38.3#

Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-1-SOIL

Manual Integrations
APPROVED

MMDadoda
2/12/2021 1:36:09 PM



#89
n-Butylbenzene
Concen: 325.86 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY004013.D
Acq: 11 Feb 2021 19:53

Tgt Ion: 91 Resp: 4835062
Ion Ratio Lower Upper
91 100
92 50.1 26.4 79.2
134 40.9 13.2 39.5#

