

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060421\
 Data File : VD069347.D
 Acq On : 04 Jun 2021 15:51
 Operator : VA/SY
 Sample : M2583-02RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 54-57SRE

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 7:14:56 PM

Quant Time: Jun 05 00:35:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	191553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	378572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	225959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	50049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	140756	76.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 153.160%			
35) Dibromofluoromethane	7.914	113	142997	60.150	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.300%			
50) Toluene-d8	10.338	98	335919	38.858	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 77.720%			
62) 4-Bromofluorobenzene	12.626	95	78630	27.758	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 55.520%			
Target Compounds					Qvalue	
16) Acetone	4.162	43	166209	518.198	ug/l	97
17) Carbon Disulfide	4.409	76	18292	2.879	ug/l #	90
25) 2-Butanone	7.214	43	40265	95.402	ug/l	97
39) Methylcyclohexane	9.350	83	23344	6.202	ug/l #	83
40) Benzene	8.355	78	23373	2.187	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	77743	66.194	ug/l	98
52) Toluene	10.402	92	836869	124.062	ug/l	98
67) Ethyl Benzene	11.743	91	63249	7.973	ug/l	95
68) m/p-Xylenes	11.844	106	140872	45.317	ug/l	99
69) o-Xylene	12.179	106	83671	30.433	ug/l	99
70) Styrene	12.191	104	78277	16.401	ug/l	92
78) n-propylbenzene	12.814	91	17542	4.176	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	73014	25.169	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	133049	46.117	ug/l	99
85) sec-Butylbenzene	13.390	105	15981m	4.457	ug/l	
86) p-Isopropyltoluene	13.508	119	198893m	63.436	ug/l	
89) n-Butylbenzene	13.838	91	10107m	3.445	ug/l	

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

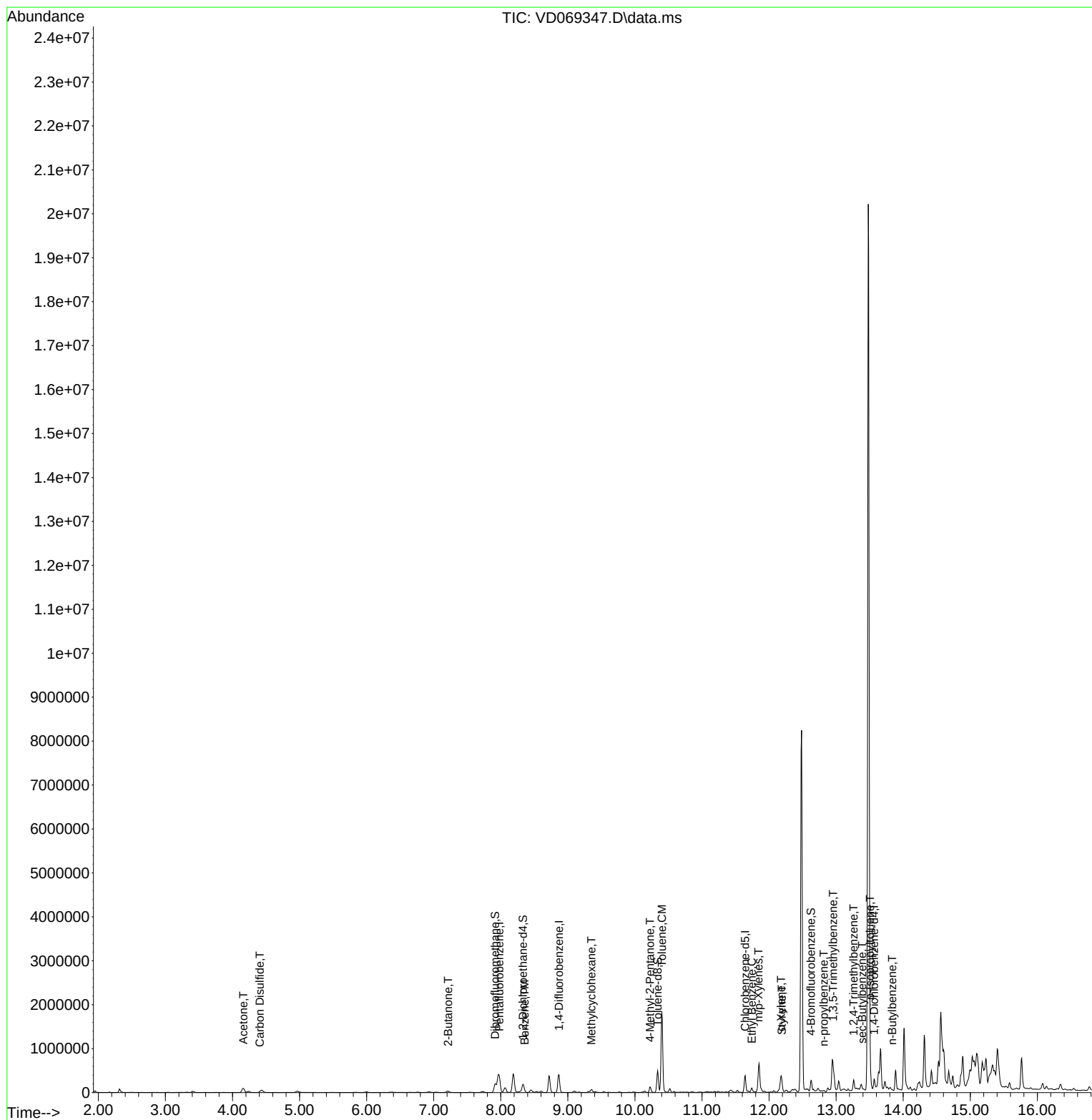
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060421\
Data File : VD069347.D
Acq On : 04 Jun 2021 15:51
Operator : VA/SY
Sample : M2583-02RE
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

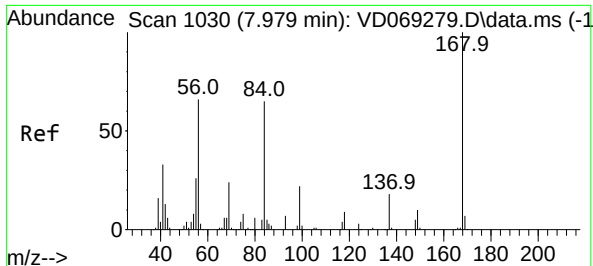
Instrument :
MSVOA_D
ClientSampleId :
54-57SRE

Quant Time: Jun 05 00:35:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 02 02:17:36 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
6/7/2021 7:14:56 PM





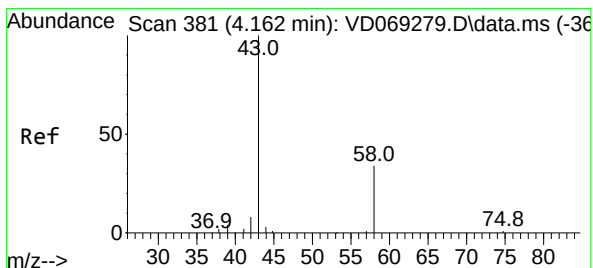
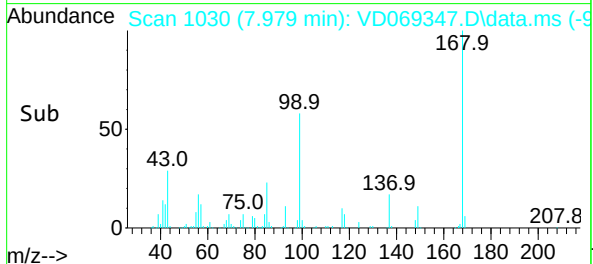
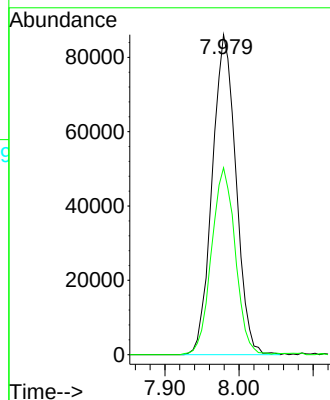
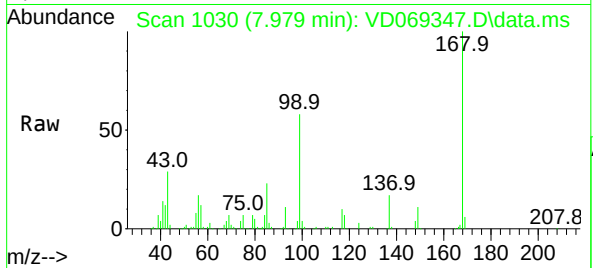
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion:168 Resp: 191553
Ion Ratio Lower Upper
168 100
99 58.4 46.2 69.2

Instrument :
MSVOA_D
ClientSampleId :
54-57SRE

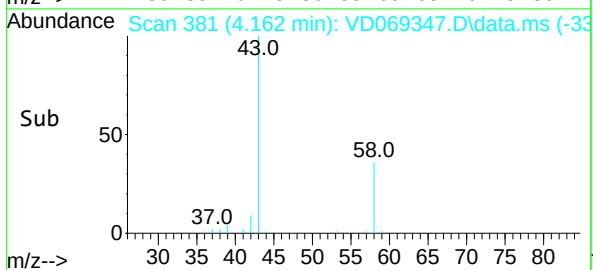
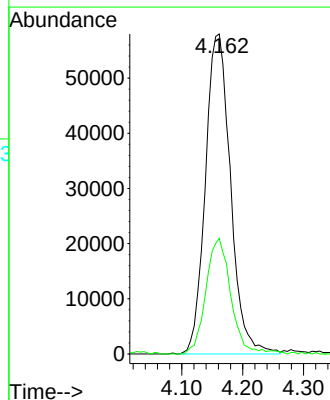
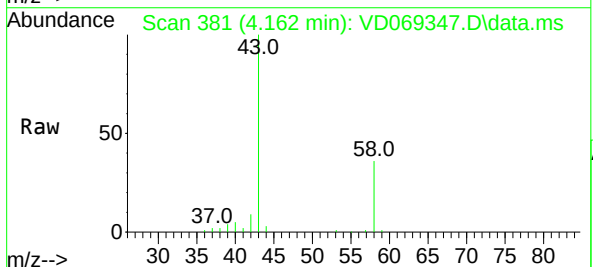
Manual Integrations
APPROVED

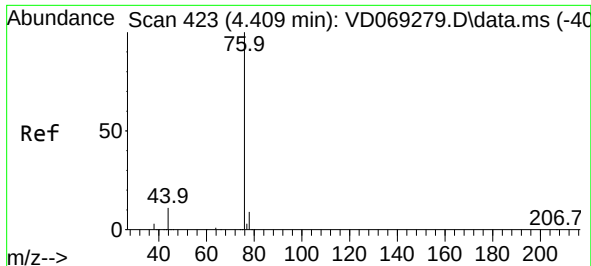
MMDadoda
6/7/2021 7:14:56 PM



#16
Acetone
Concen: 518.198 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

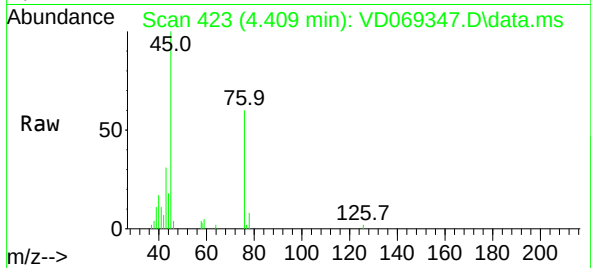
Tgt Ion: 43 Resp: 166209
Ion Ratio Lower Upper
43 100
58 36.2 27.5 41.3





#17
Carbon Disulfide
Concen: 2.879 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

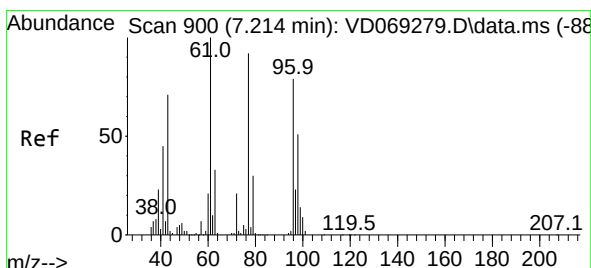
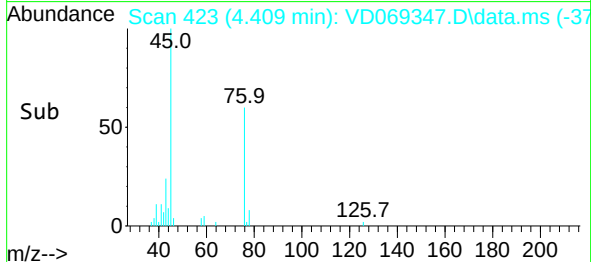
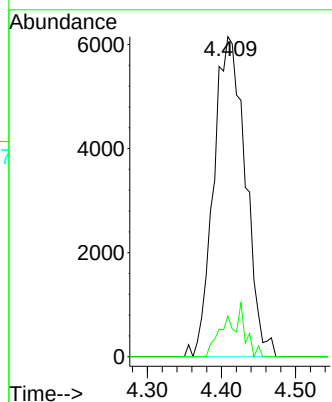
Instrument :
MSVOA_D
ClientSampleId :
54-57SRE



Tgt Ion: 76 Resp: 18292
Ion Ratio Lower Upper
76 100
78 12.7 7.4 11.0#

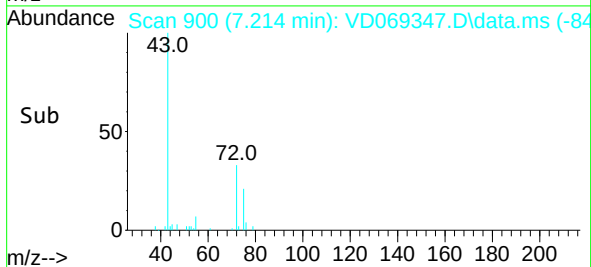
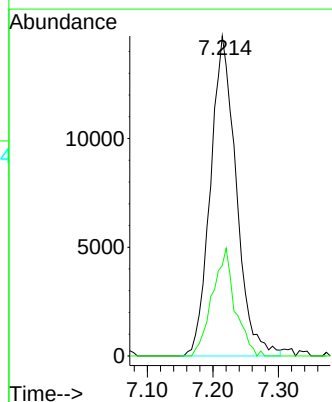
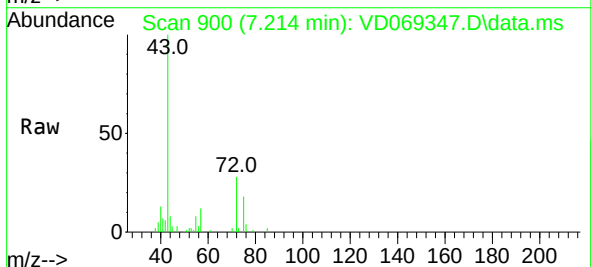
Manual Integrations
APPROVED

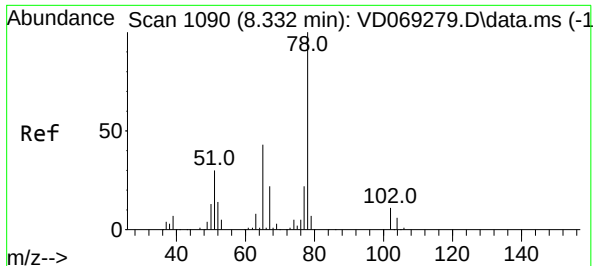
MMDadoda
6/7/2021 7:14:56 PM



#25
2-Butanone
Concen: 95.402 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion: 43 Resp: 40265
Ion Ratio Lower Upper
43 100
72 28.3 23.9 35.9





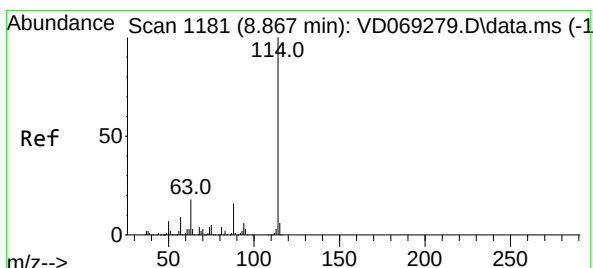
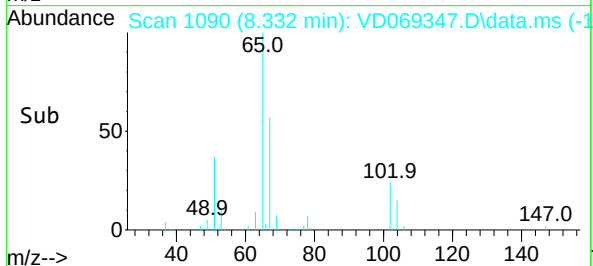
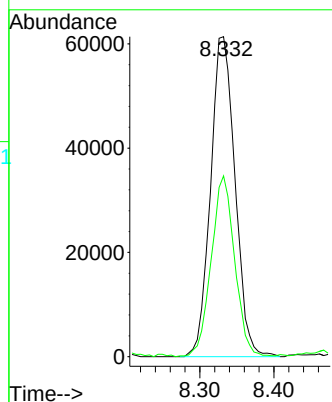
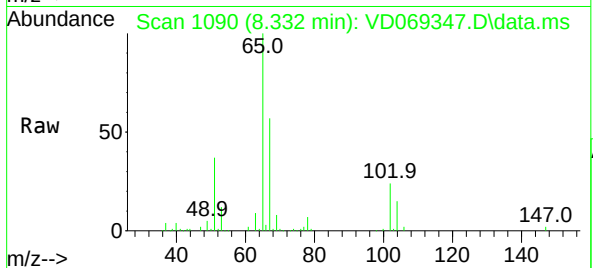
#33
1,2-Dichloroethane-d4
Concen: 76.582 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion: 65 Resp: 140756
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.8

Instrument :
MSVOA_D
ClientSampleId :
54-57SRE

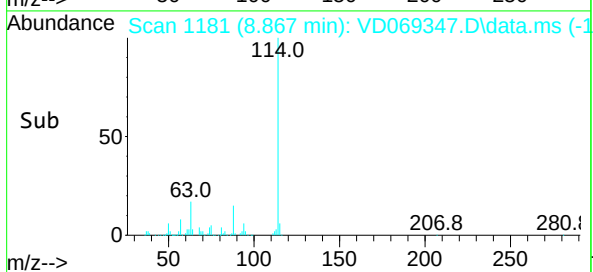
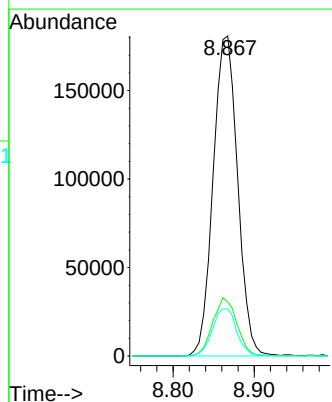
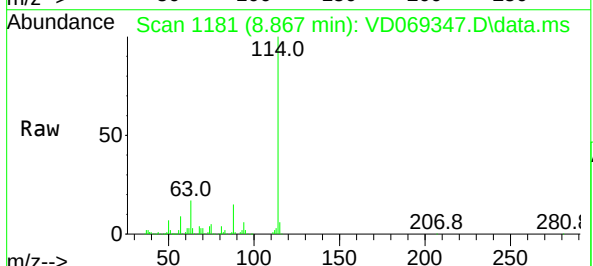
Manual Integrations
APPROVED

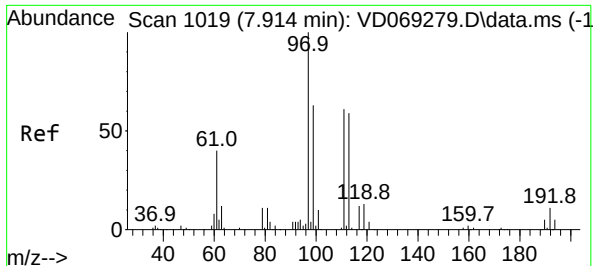
MMDadoda
6/7/2021 7:14:56 PM



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

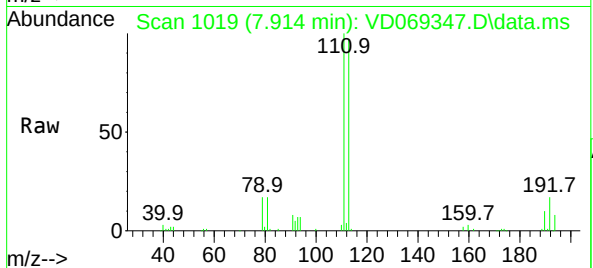
Tgt Ion: 114 Resp: 378572
Ion Ratio Lower Upper
114 100
63 16.9 0.0 35.6
88 14.8 0.0 31.2





#35
Dibromofluoromethane
Concen: 60.150 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

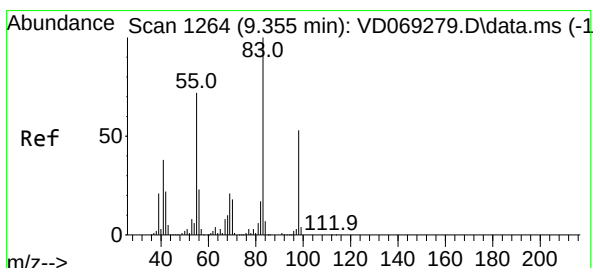
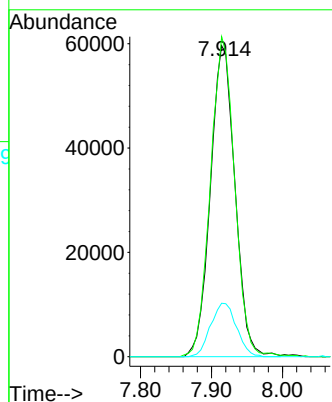
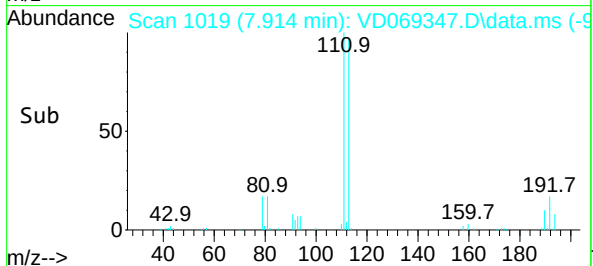
Instrument :
MSVOA_D
ClientSampleId :
54-57SRE



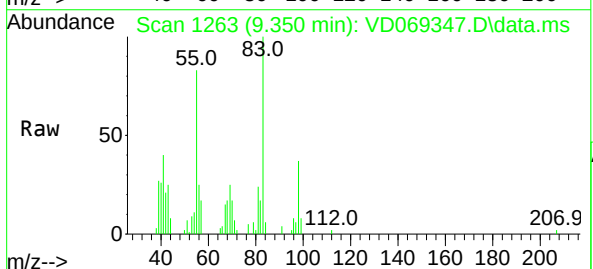
Tgt Ion: 113 Resp: 142997
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.6
192 18.1 15.1 22.7

Manual Integrations
APPROVED

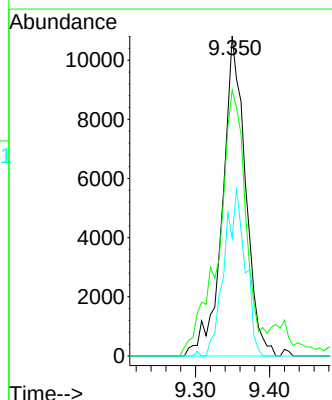
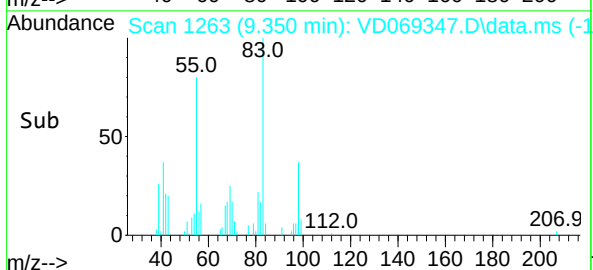
MMDadoda
6/7/2021 7:14:56 PM

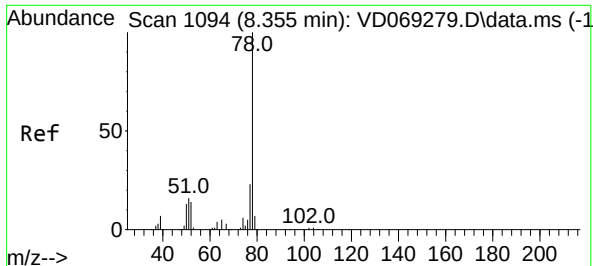


#39
Methylcyclohexane
Concen: 6.202 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51



Tgt Ion: 83 Resp: 23344
Ion Ratio Lower Upper
83 100
55 83.2 57.4 86.2
98 36.8 42.2 63.2#





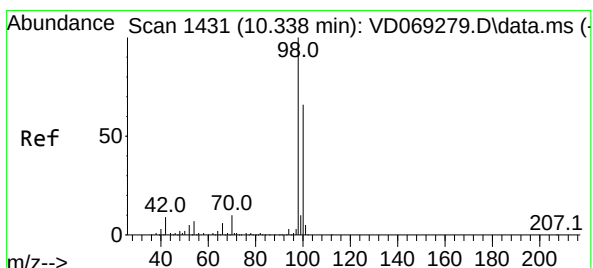
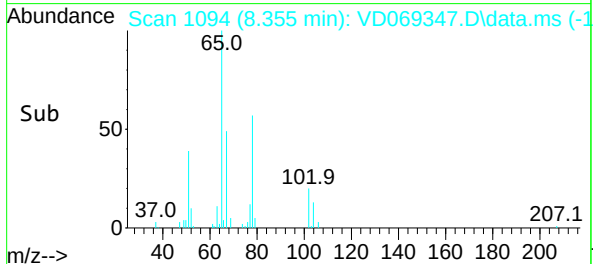
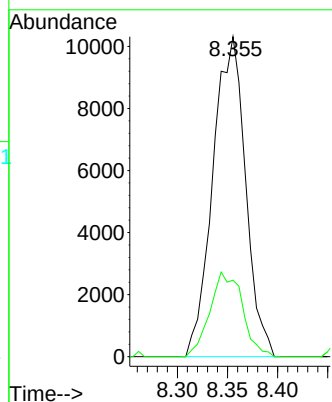
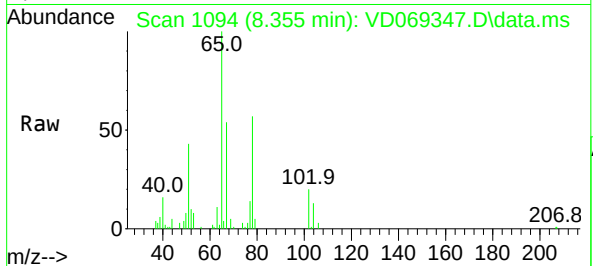
#40
Benzene
Concen: 2.187 ug/l
RT: 8.355 min Scan# 1094
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion: 78 Resp: 23373
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1

Instrument :
MSVOA_D
ClientSampleId :
54-57SRE

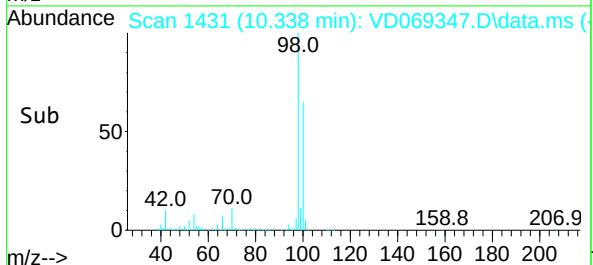
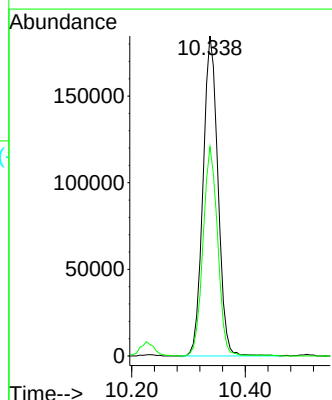
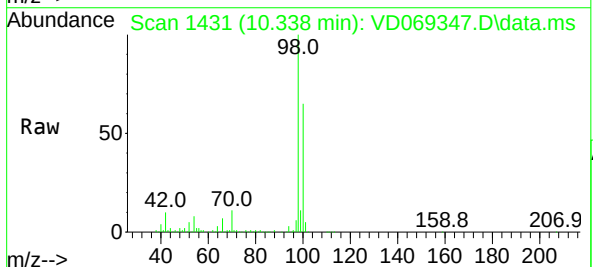
Manual Integrations
APPROVED

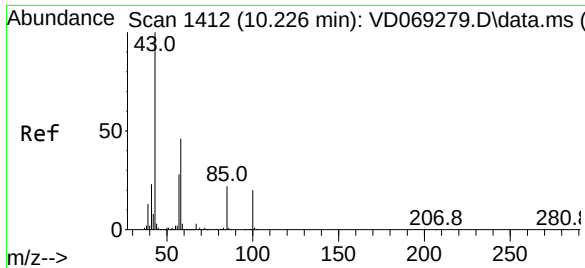
MMDadoda
6/7/2021 7:14:56 PM



#50
Toluene-d8
Concen: 38.858 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion: 98 Resp: 335919
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1





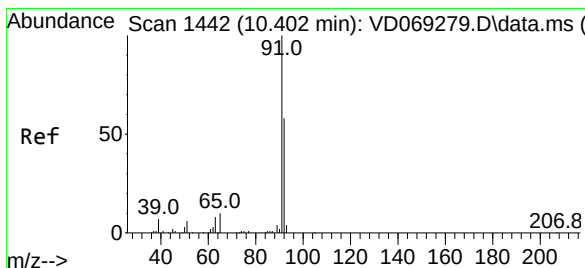
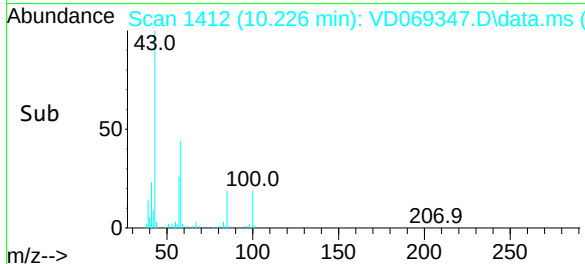
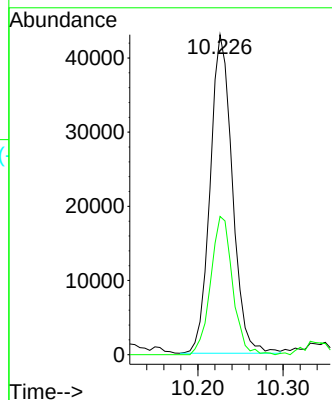
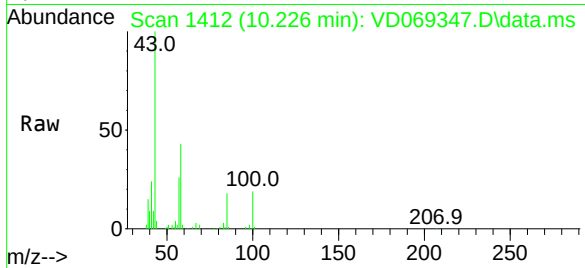
#51
4-Methyl-2-Pentanone
Concen: 66.194 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion: 43 Resp: 77743
Ion Ratio Lower Upper
43 100
58 42.8 35.1 52.7

Instrument :
MSVOA_D
ClientSampleId :
54-57SRE

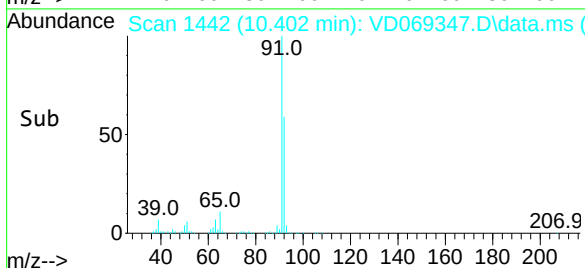
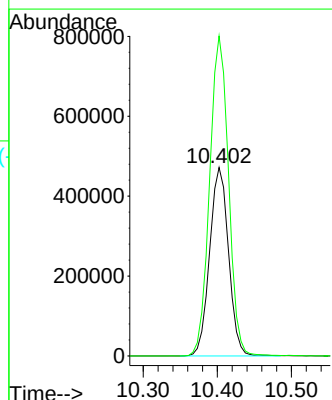
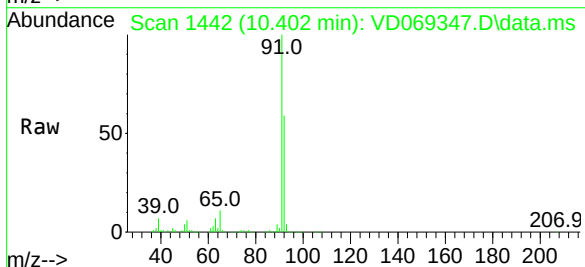
Manual Integrations
APPROVED

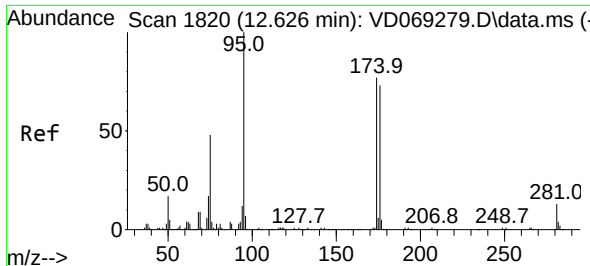
MMDadoda
6/7/2021 7:14:56 PM



#52
Toluene
Concen: 124.062 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion: 92 Resp: 836869
Ion Ratio Lower Upper
92 100
91 169.8 138.4 207.6





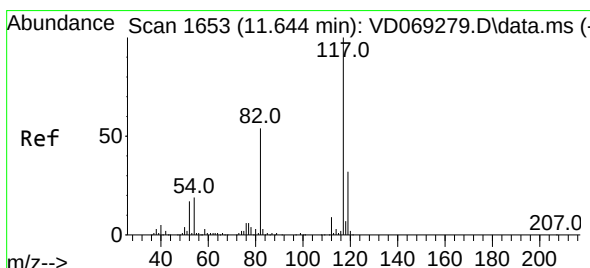
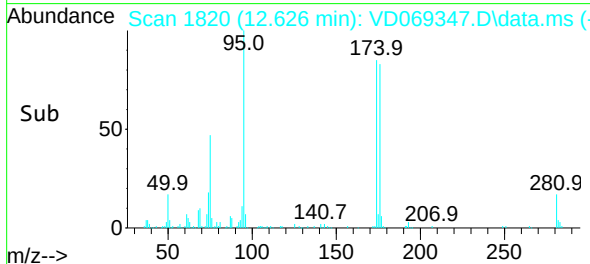
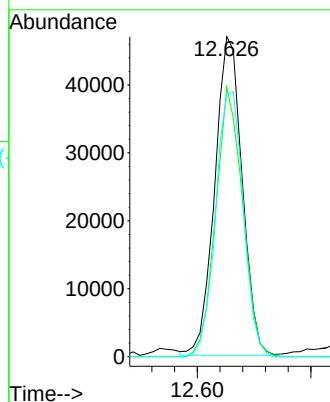
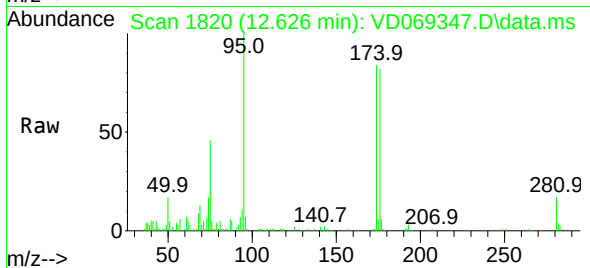
#62
4-Bromofluorobenzene
Concen: 27.758 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion:	95	Resp:	78630
Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	162.8
176	83.9	0.0	154.4

Instrument :
MSVOA_D
ClientSampleId :
54-57SRE

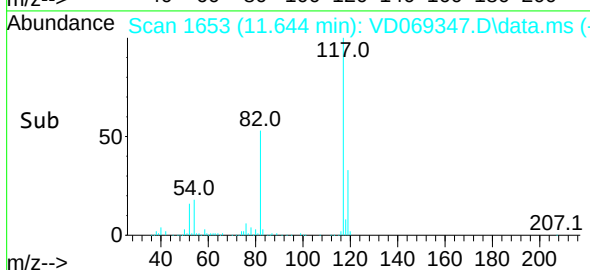
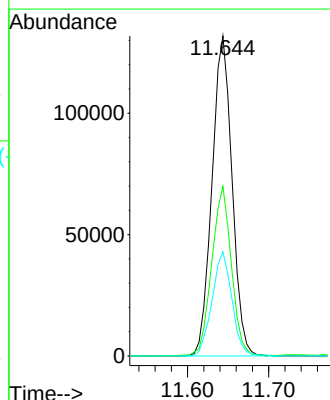
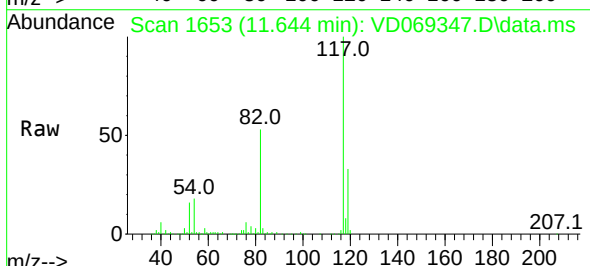
Manual Integrations
APPROVED

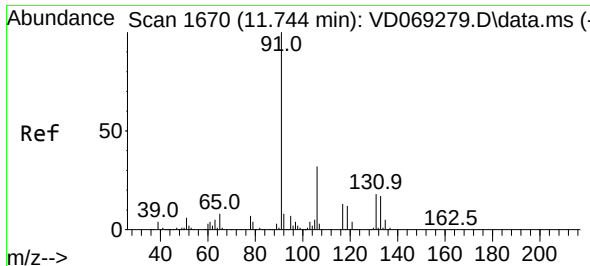
MMDadoda
6/7/2021 7:14:56 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion:	117	Resp:	225959
Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.3	64.9
119	32.5	25.3	37.9





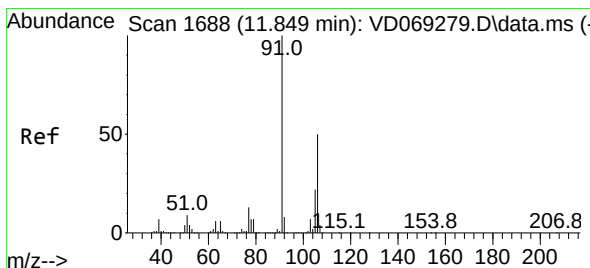
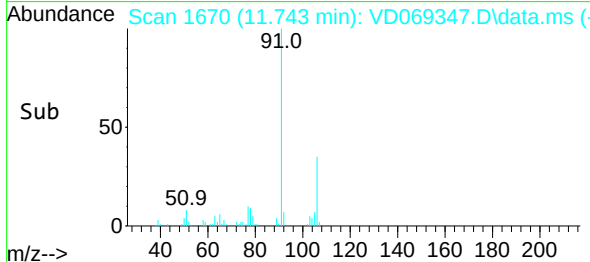
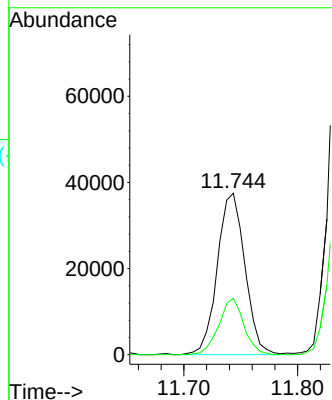
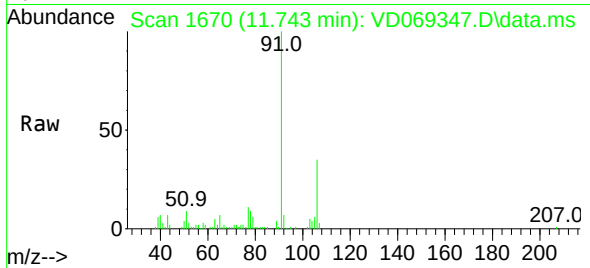
#67
Ethyl Benzene
Concen: 7.973 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion: 91 Resp: 63249
Ion Ratio Lower Upper
91 100
106 34.9 25.9 38.9

Instrument :
MSVOA_D
ClientSampleId :
54-57SRE

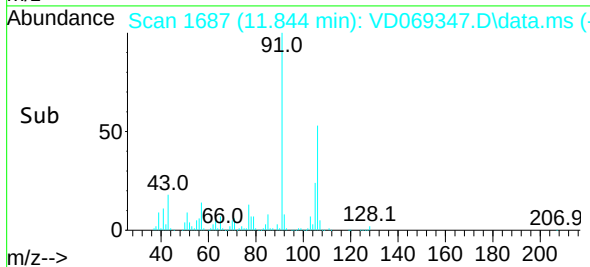
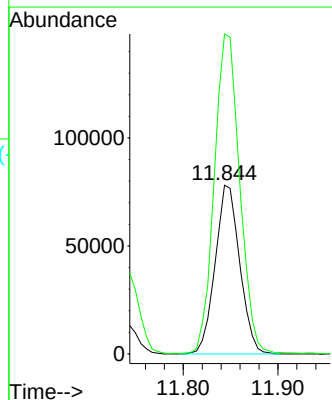
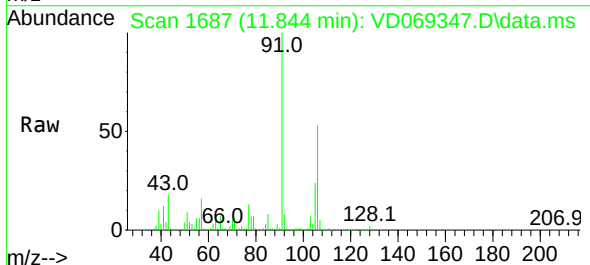
Manual Integrations
APPROVED

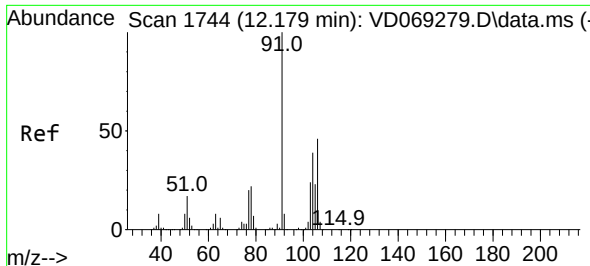
MMDadoda
6/7/2021 7:14:56 PM



#68
m/p-Xylenes
Concen: 45.317 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion: 106 Resp: 140872
Ion Ratio Lower Upper
106 100
91 195.7 158.3 237.5





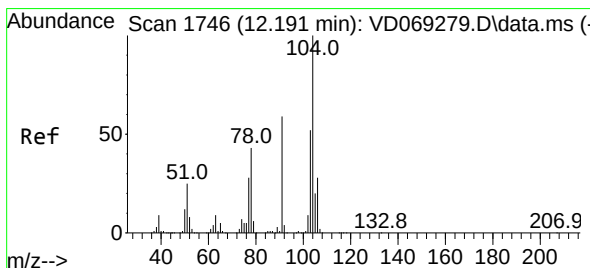
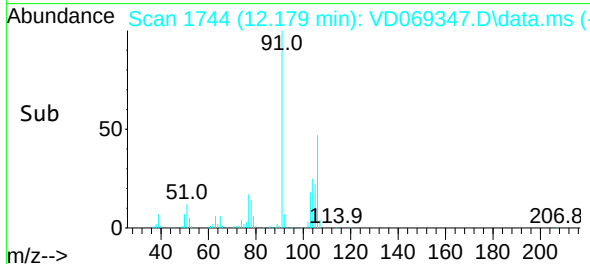
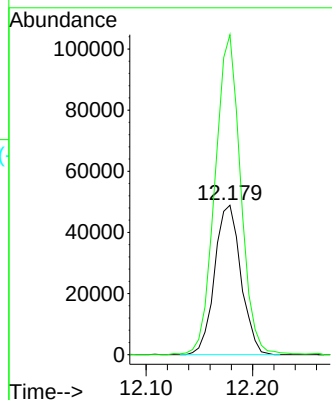
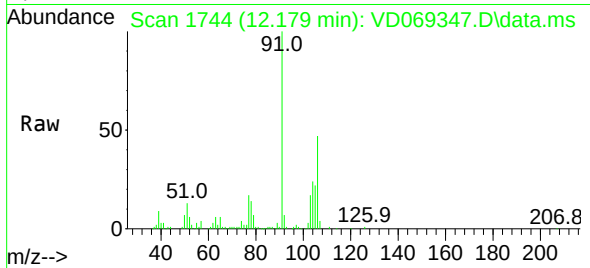
#69
o-Xylene
Concen: 30.433 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion:106 Resp: 83671
Ion Ratio Lower Upper
106 100
91 208.9 105.5 316.4

Instrument :
MSVOA_D
ClientSampleId :
54-57SRE

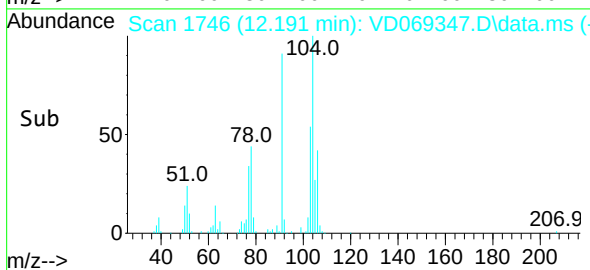
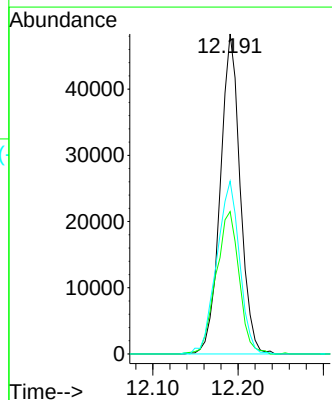
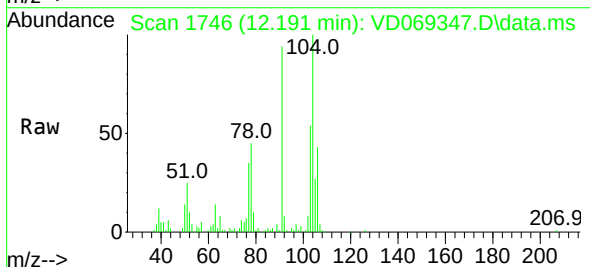
Manual Integrations
APPROVED

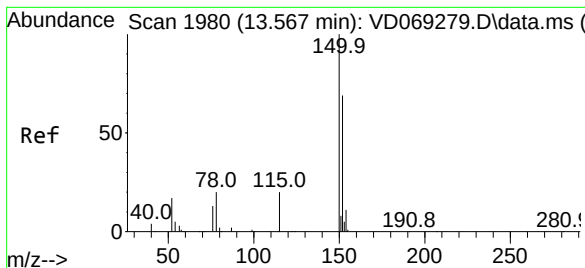
MMDadoda
6/7/2021 7:14:56 PM



#70
Styrene
Concen: 16.401 ug/l
RT: 12.191 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion:104 Resp: 78277
Ion Ratio Lower Upper
104 100
78 51.6 37.5 56.3
103 62.1 44.3 66.5





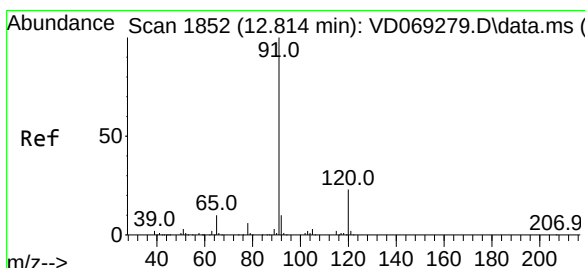
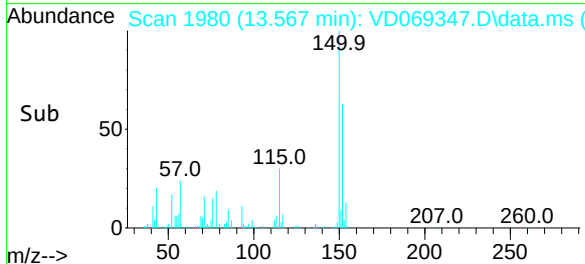
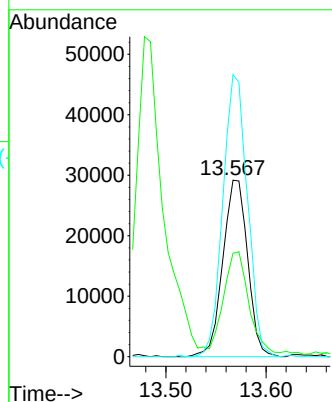
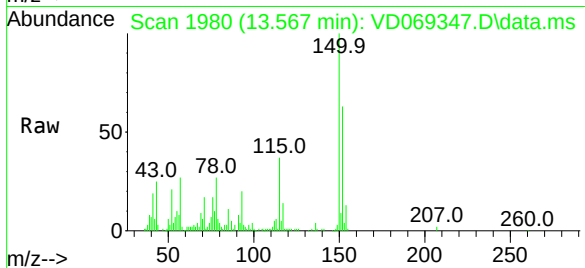
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion:152 Resp: 50049
Ion Ratio Lower Upper
152 100
115 56.9 29.4 88.3
150 158.2 0.0 355.0

Instrument :
MSVOA_D
ClientSampleId :
54-57SRE

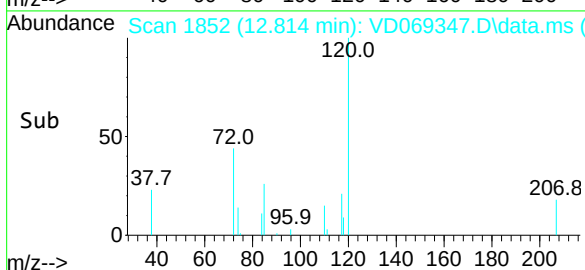
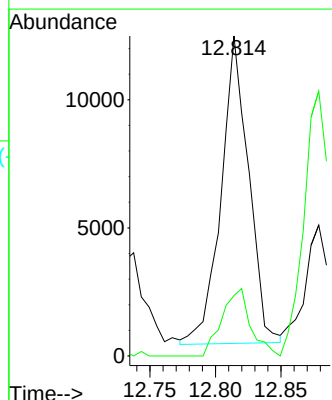
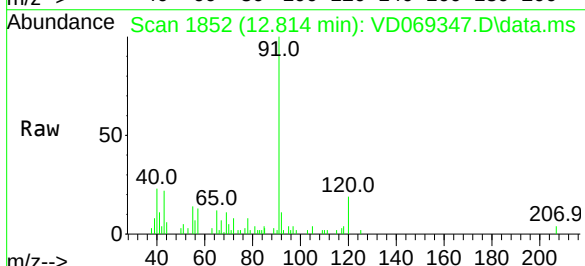
Manual Integrations
APPROVED

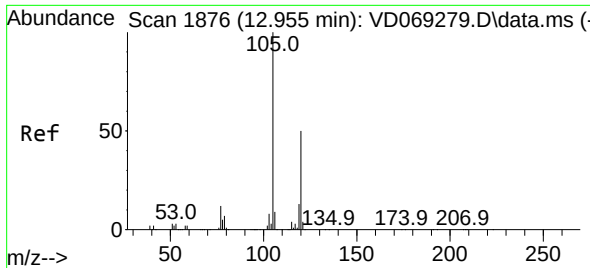
MMDadoda
6/7/2021 7:14:56 PM



#78
n-propylbenzene
Concen: 4.176 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion: 91 Resp: 17542
Ion Ratio Lower Upper
91 100
120 22.7 11.6 34.8





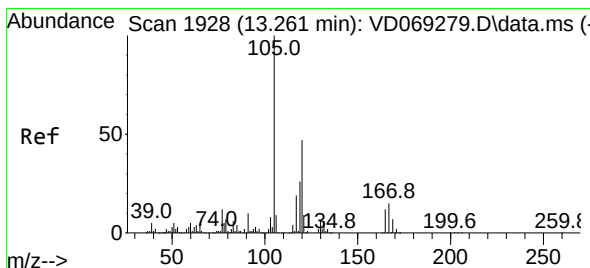
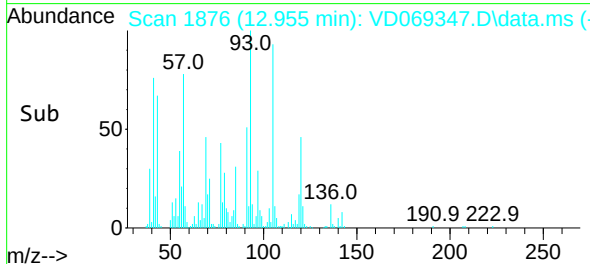
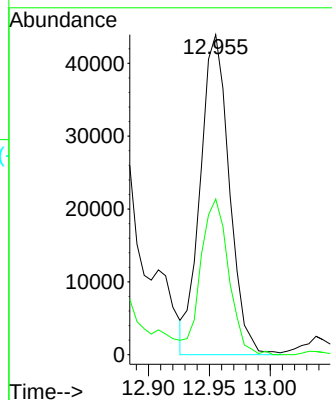
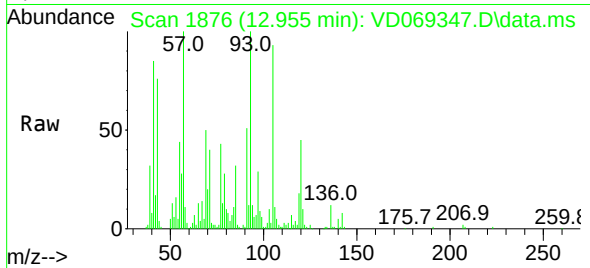
#80
1,3,5-Trimethylbenzene
Concen: 25.169 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

Tgt Ion:105 Resp: 73014
Ion Ratio Lower Upper
105 100
120 46.6 24.9 74.7

Instrument :
MSVOA_D
ClientSampleId :
54-57SRE

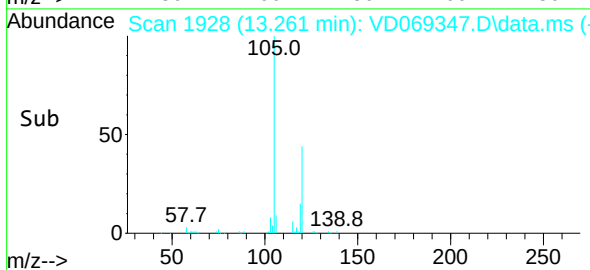
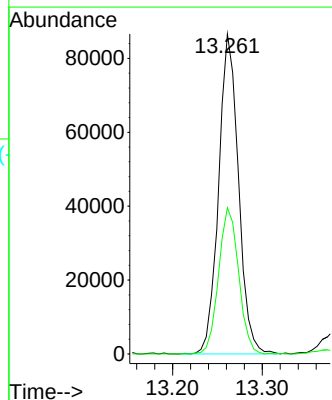
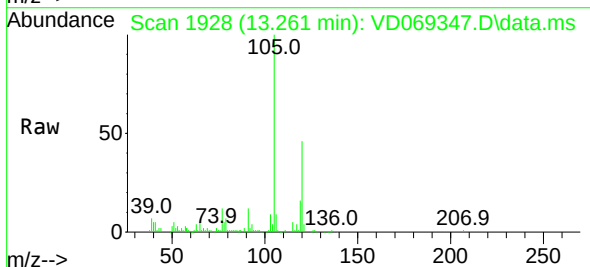
Manual Integrations
APPROVED

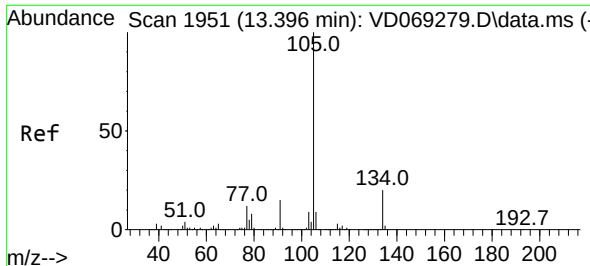
MMDadoda
6/7/2021 7:14:56 PM



#84
1,2,4-Trimethylbenzene
Concen: 46.117 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51

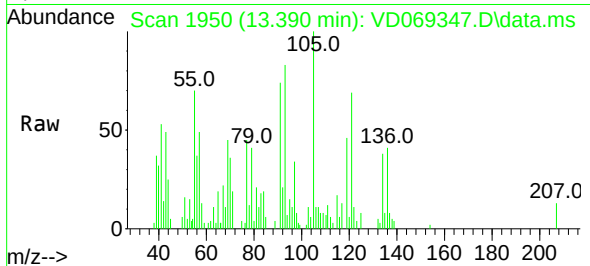
Tgt Ion:105 Resp: 133049
Ion Ratio Lower Upper
105 100
120 46.1 22.6 67.8





#85
 sec-Butylbenzene
 Concen: 4.457 ug/l m
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.006 min
 Lab File: VD069347.D
 Acq: 04 Jun 2021 15:51

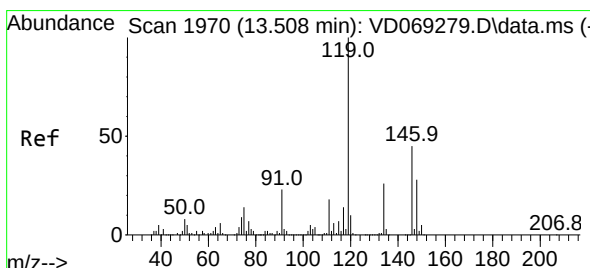
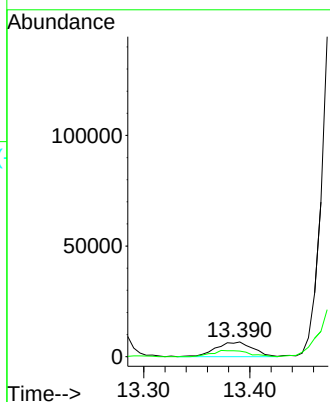
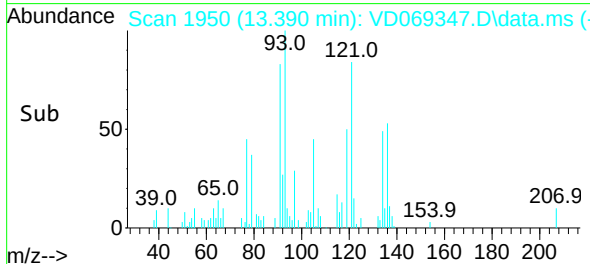
Instrument :
 MSVOA_D
 ClientSampleId :
 54-57SRE



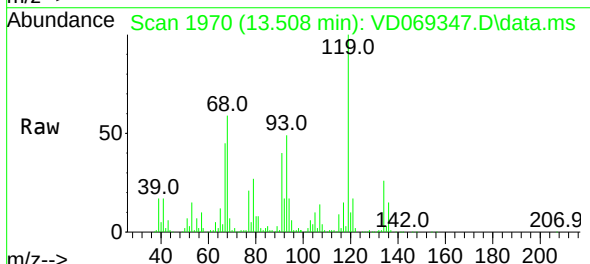
Tgt Ion:105 Resp: 15981
 Ion Ratio Lower Upper
 105 100
 134 375.3 10.1 30.3#

Manual Integrations
 APPROVED

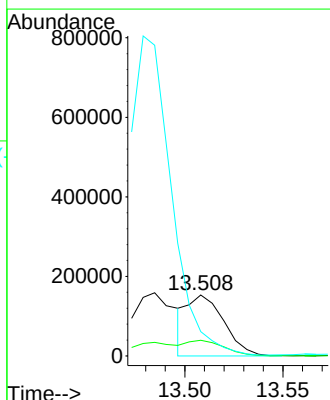
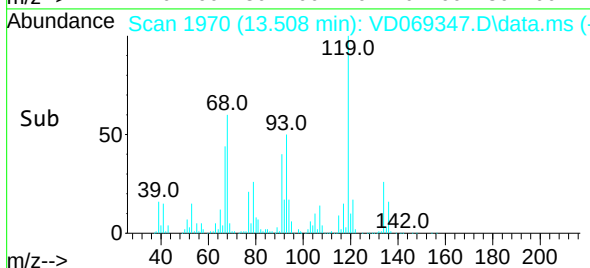
MMDadoda
 6/7/2021 7:14:56 PM

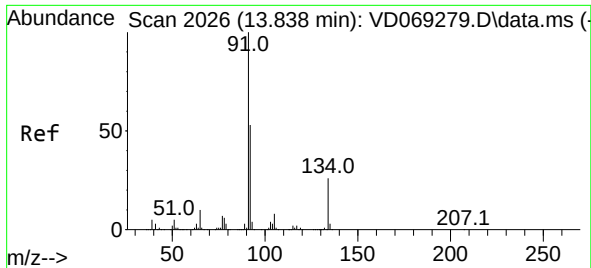


#86
 p-Isopropyltoluene
 Concen: 63.436 ug/l m
 RT: 13.508 min Scan# 1970
 Delta R.T. -0.000 min
 Lab File: VD069347.D
 Acq: 04 Jun 2021 15:51

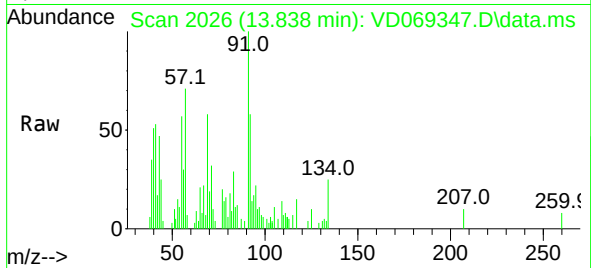


Tgt Ion:119 Resp: 198893
 Ion Ratio Lower Upper
 119 100
 134 30.2 13.0 39.0
 91 646.3 11.3 33.8#

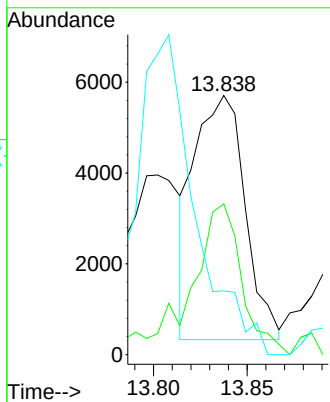
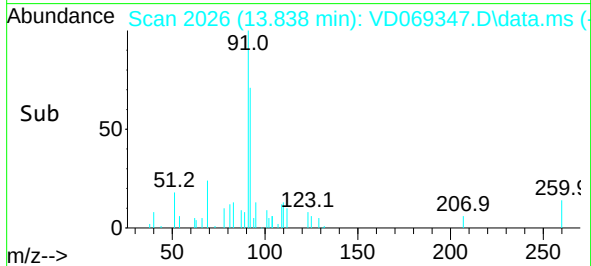




#89
n-Butylbenzene
Concen: 3.445 ug/l m
RT: 13.838 min Scan# 2026
Delta R.T. -0.000 min
Lab File: VD069347.D
Acq: 04 Jun 2021 15:51



Tgt Ion:	91	Resp:	10107
Ion	Ratio	Lower	Upper
91	100		
92	124.3	26.4	79.2#
134	55.6	13.0	38.9#



Instrument :
MSVOA_D
ClientSampleId :
54-57SRE

Manual Integrations
APPROVED

MMDadoda
6/7/2021 7:14:56 PM