

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092721\
 Data File : VD070482.D
 Acq On : 27 Sep 2021 17:19
 Operator : VA/SY
 Sample : M3889-02
 Misc : 7.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUP-UST-03-(8-10)

Manual Integrations
 APPROVED

MMDadoda
 9/28/2021 7:06:43 PM

Quant Time: Sep 28 04:15:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	228641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	436744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	306611	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	100813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	137414	46.806	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.620%		
35) Dibromofluoromethane	7.908	113	129931	41.795	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.580%		
50) Toluene-d8	10.332	98	553761	49.061	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.120%		
62) 4-Bromofluorobenzene	12.620	95	189218	47.967	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.940%		
Target Compounds					Qvalue	
16) Acetone	4.156	43	67311	128.421	ug/l	91
17) Carbon Disulfide	4.397	76	10627	1.082	ug/l	99
20) Methylene Chloride	4.956	84	49578	9.260	ug/l	93
25) 2-Butanone	7.208	43	23587	33.806	ug/l	# 80
31) Cyclohexane	7.979	56	844465	166.984	ug/l	93
39) Methylcyclohexane	9.349	83	2299224	440.877	ug/l	98
40) Benzene	8.350	78	135669	9.917	ug/l	97
73) Isopropylbenzene	12.473	105	694347	98.211	ug/l	99
78) n-propylbenzene	12.808	91	1161359	126.563	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	54206	8.884	ug/l	96
83) tert-Butylbenzene	13.208	119	41583m	8.497	ug/l	
84) 1,2,4-Trimethylbenzene	13.255	105	88571	14.741	ug/l	100
85) sec-Butylbenzene	13.390	105	925953	119.037	ug/l	83
86) p-Isopropyltoluene	13.508	119	93294	14.927	ug/l	90
89) n-Butylbenzene	13.832	91	866696	139.088	ug/l	# 80

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

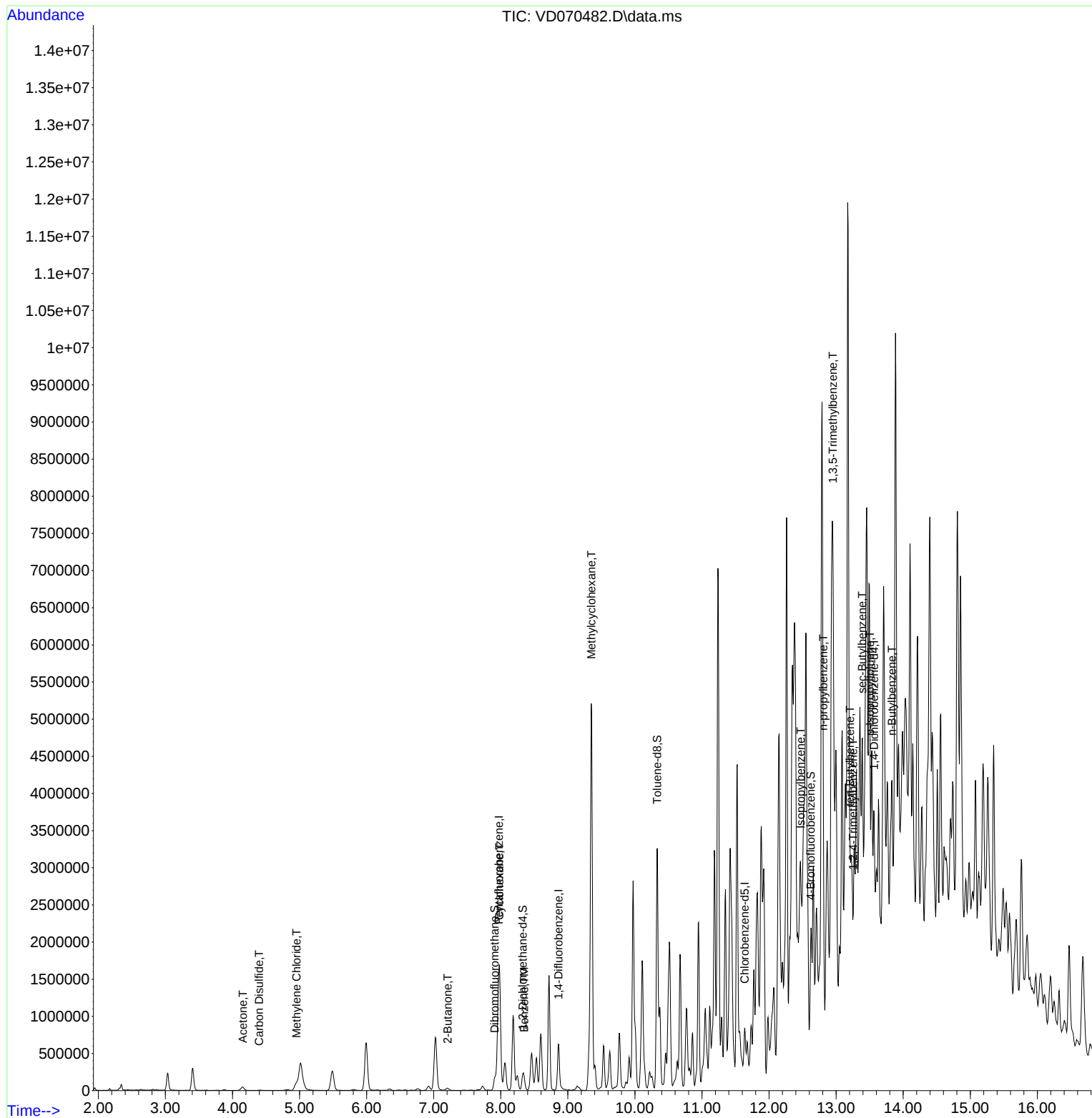
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092721\
Data File : VD070482.D
Acq On : 27 Sep 2021 17:19
Operator : VA/SY
Sample : M3889-02
Misc : 7.47G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

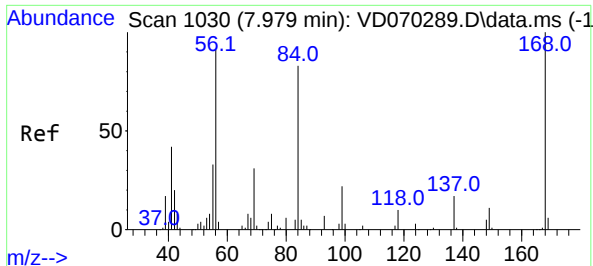
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-03-(8-10)

Manual Integrations
APPROVED

MMDadoda
9/28/2021 7:06:43 PM

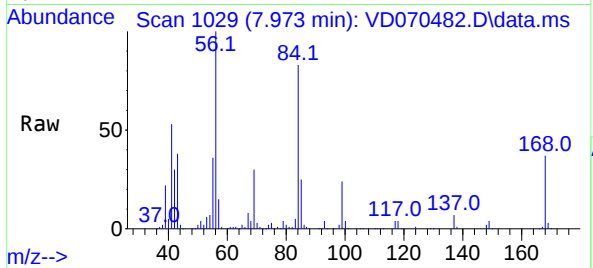
Quant Time: Sep 28 04:15:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19

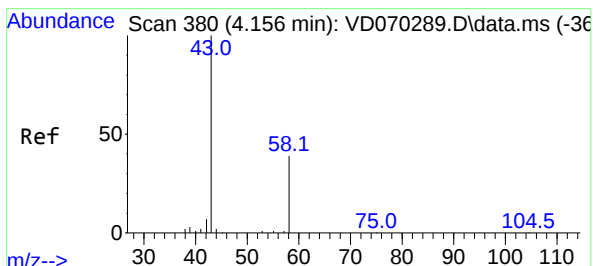
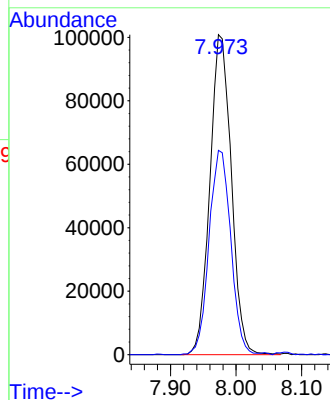
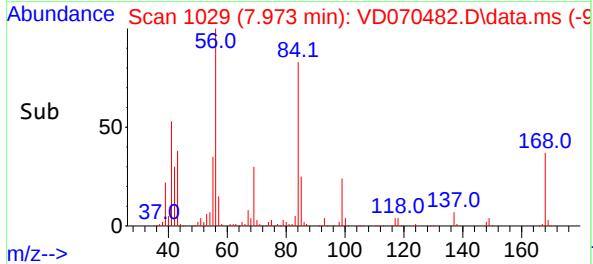
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-03-(8-10)



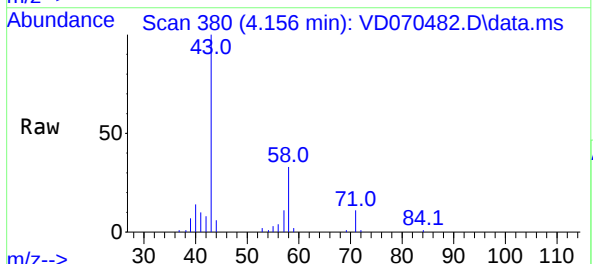
Tgt Ion:168 Resp: 228641
Ion Ratio Lower Upper
168 100
99 63.8 50.8 76.2

Manual Integrations
APPROVED

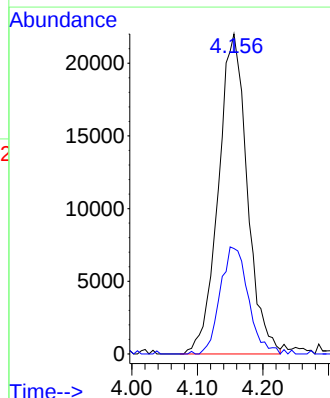
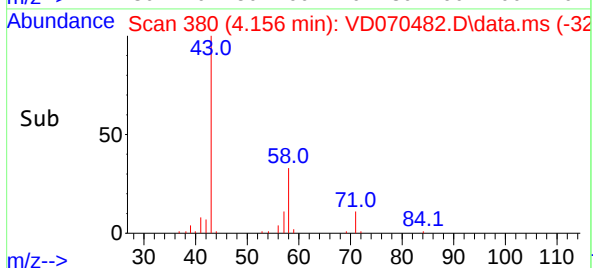
MMDadoda
9/28/2021 7:06:43 PM

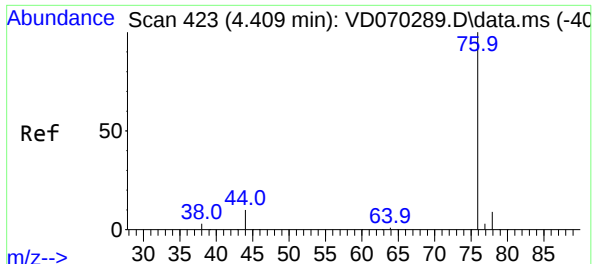


#16
Acetone
Concen: 128.421 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19



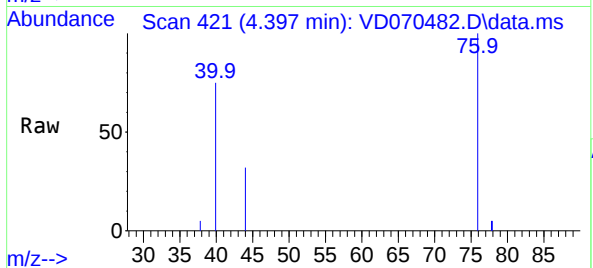
Tgt Ion: 43 Resp: 67311
Ion Ratio Lower Upper
43 100
58 32.9 30.9 46.3





#17
Carbon Disulfide
Concen: 1.082 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.012 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19

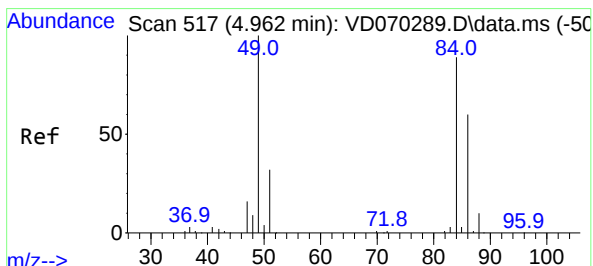
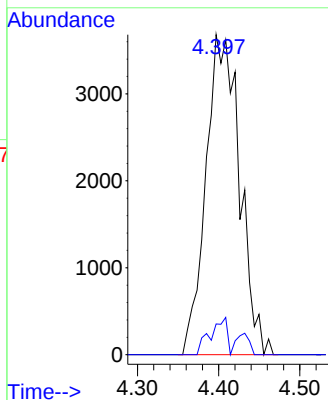
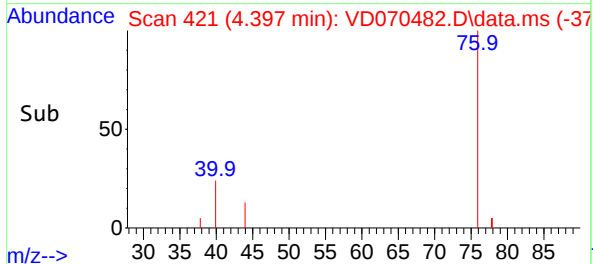
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-03-(8-10)



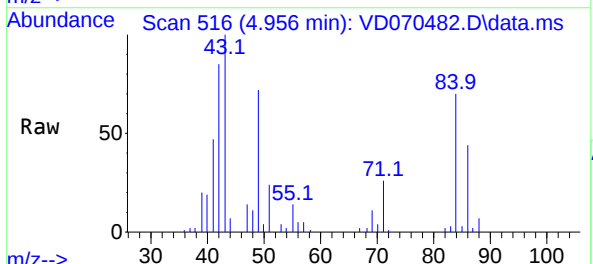
Tgt Ion: 76 Resp: 10627
Ion Ratio Lower Upper
76 100
78 9.6 7.5 11.3

Manual Integrations
APPROVED

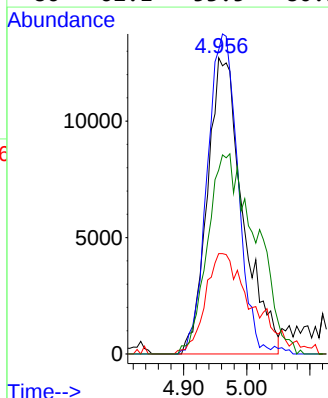
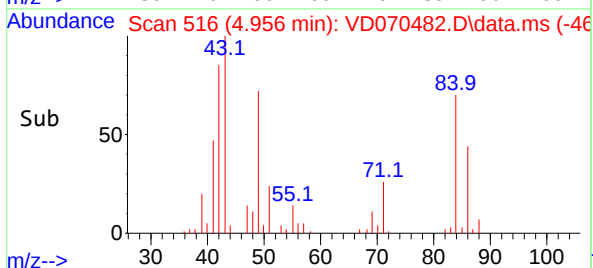
MMDadoda
9/28/2021 7:06:43 PM

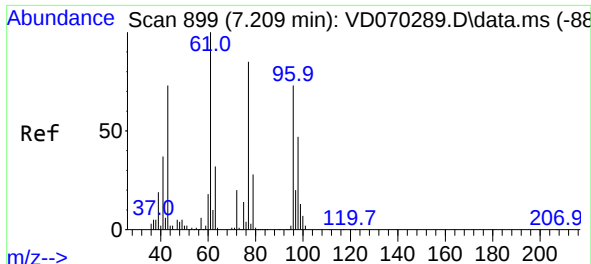


#20
Methylene Chloride
Concen: 9.260 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19



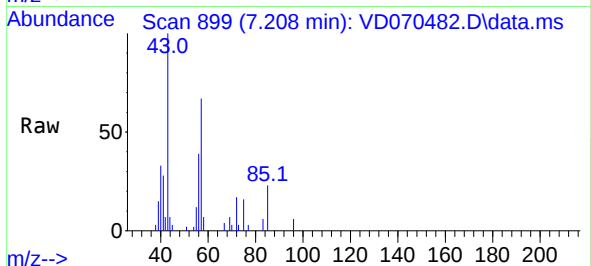
Tgt Ion: 84 Resp: 49578
Ion Ratio Lower Upper
84 100
49 102.6 89.6 134.4
51 32.7 28.6 43.0
86 62.1 53.5 80.3



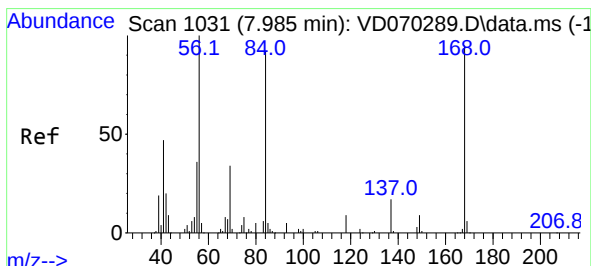
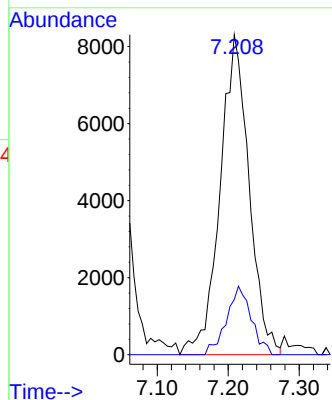
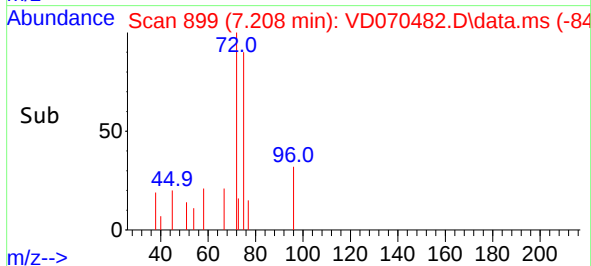


#25
2-Butanone
Concen: 33.806 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19

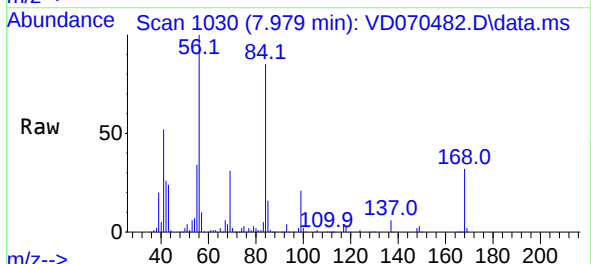
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-03-(8-10)



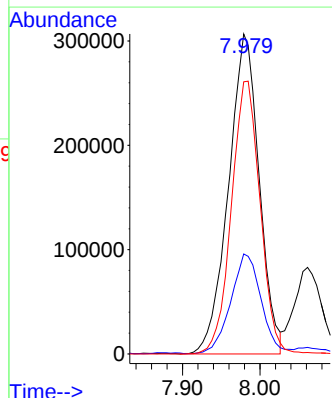
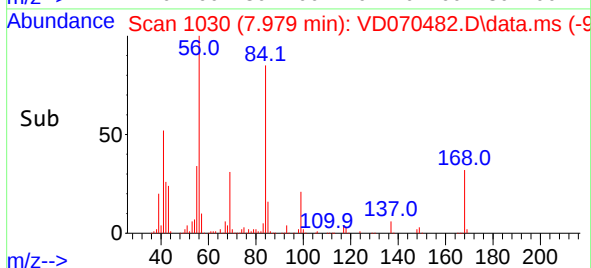
Tgt Ion: 43 Resp: 23587
Ion Ratio Lower Upper
43 100
72 17.3 22.2 33.4#

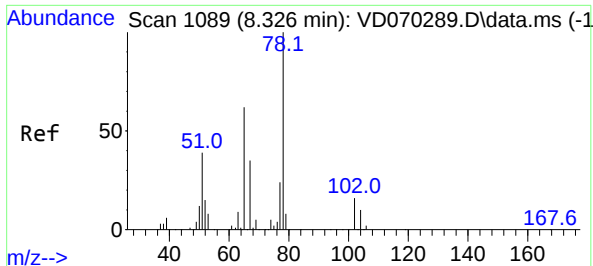


#31
Cyclohexane
Concen: 166.984 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19



Tgt Ion: 56 Resp: 844465
Ion Ratio Lower Upper
56 100
69 31.0 26.9 40.3
84 85.0 73.6 110.4





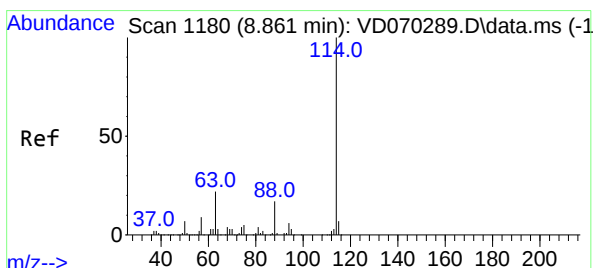
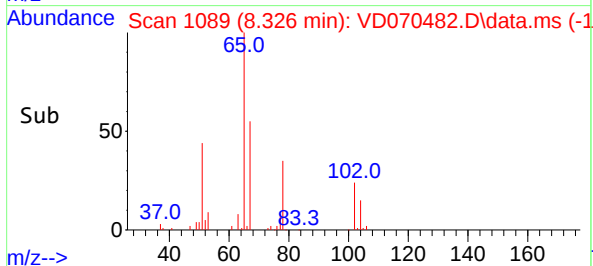
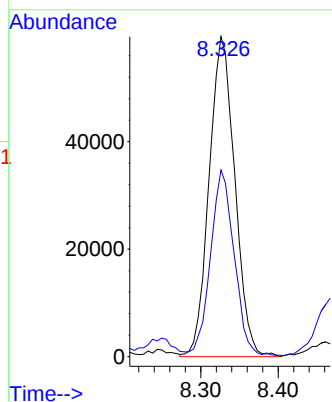
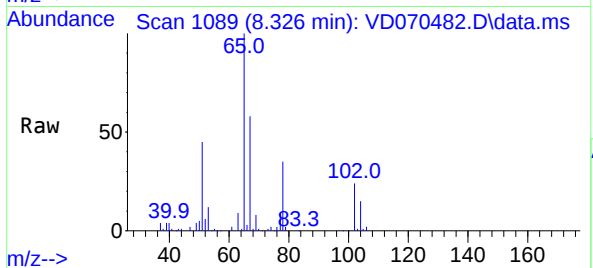
#33
1,2-Dichloroethane-d4
Concen: 46.806 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19

Tgt Ion: 65 Resp: 137414
Ion Ratio Lower Upper
65 100
67 53.3 0.0 111.4

Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-03-(8-10)

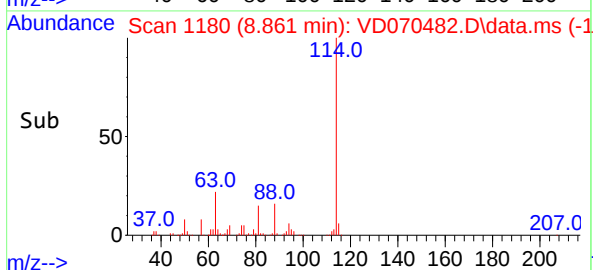
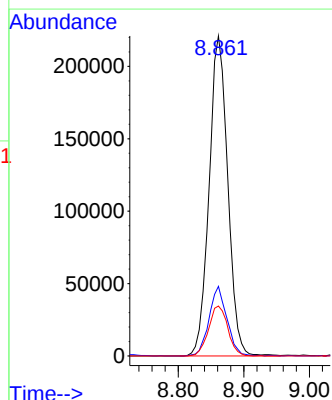
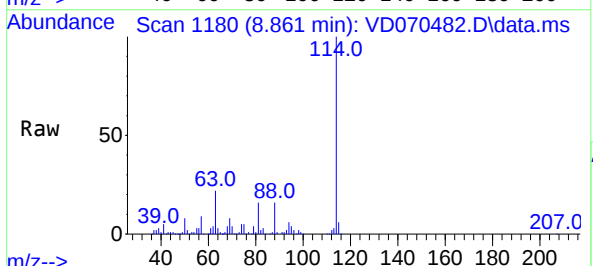
Manual Integrations
APPROVED

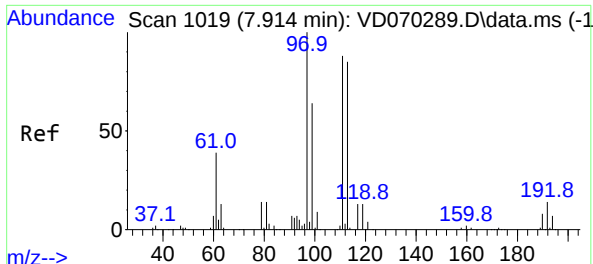
MMDadoda
9/28/2021 7:06:43 PM



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19

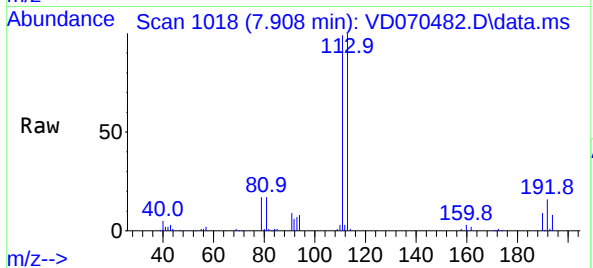
Tgt Ion:114 Resp: 436744
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.4
88 15.6 0.0 33.4





#35
Dibromofluoromethane
Concen: 41.795 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19

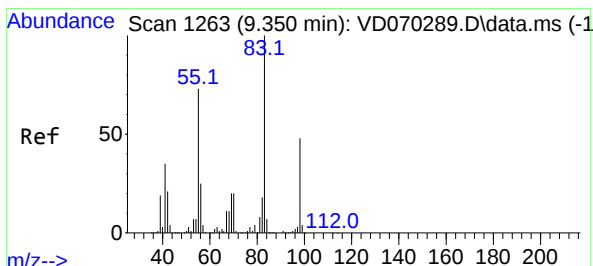
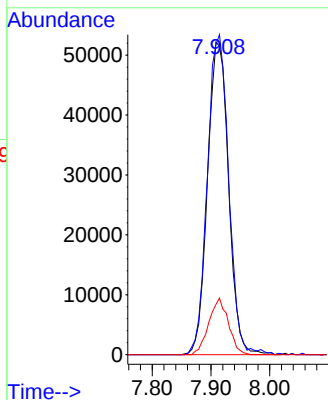
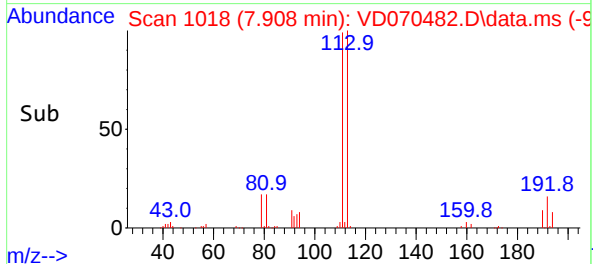
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-03-(8-10)



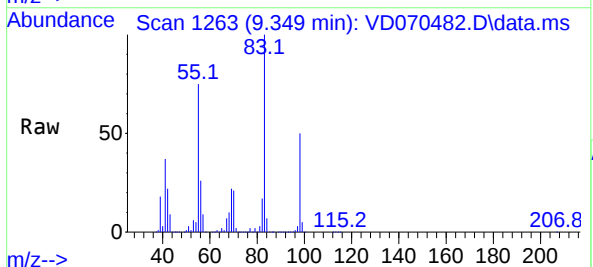
Tgt Ion:113 Resp: 129931
Ion Ratio Lower Upper
113 100
111 103.8 81.4 122.2
192 16.8 13.0 19.6

Manual Integrations
APPROVED

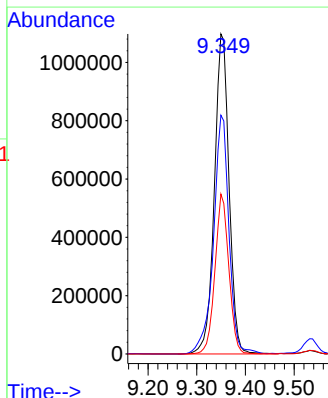
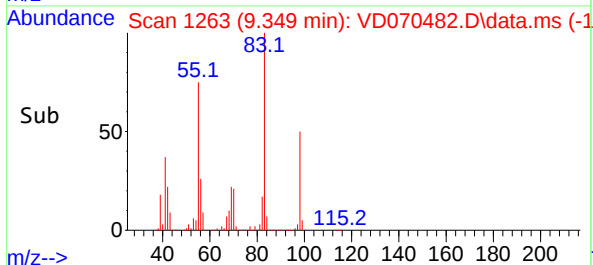
MMDadoda
9/28/2021 7:06:43 PM

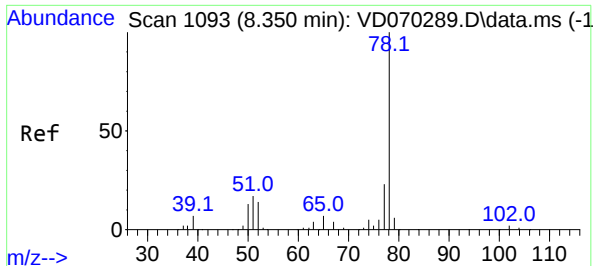


#39
Methylcyclohexane
Concen: 440.877 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19



Tgt Ion: 83 Resp: 2299224
Ion Ratio Lower Upper
83 100
55 74.6 58.5 87.7
98 49.9 38.4 57.6





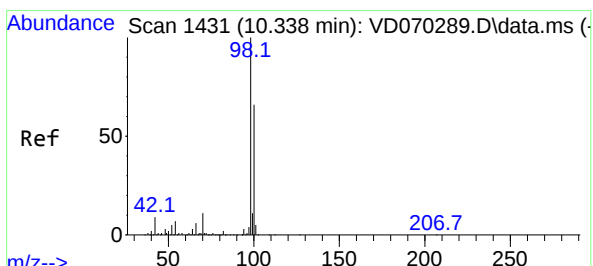
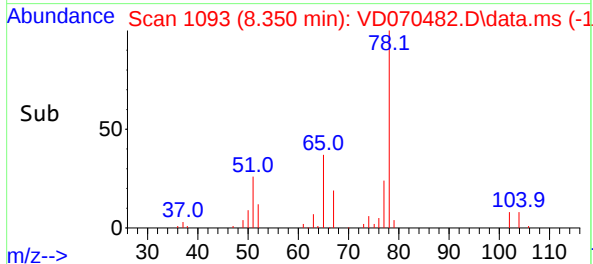
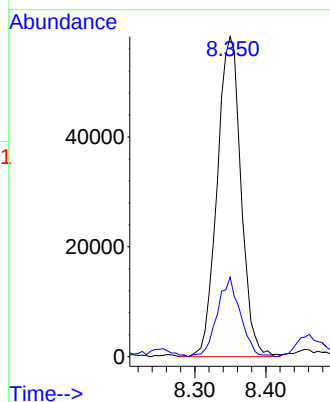
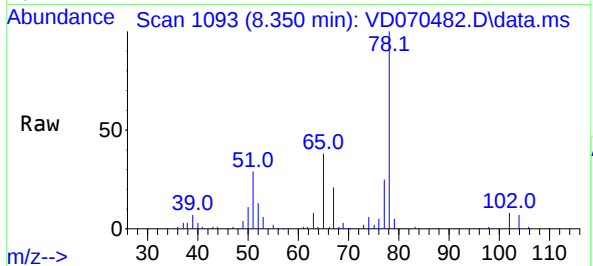
#40
Benzene
Concen: 9.917 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.000 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19

Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-03-(8-10)

Tgt Ion: 78 Resp: 135669
Ion Ratio Lower Upper
78 100
77 24.5 18.4 27.6

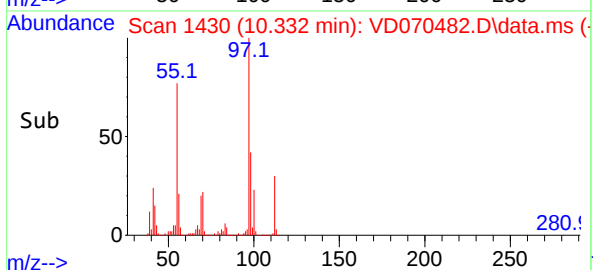
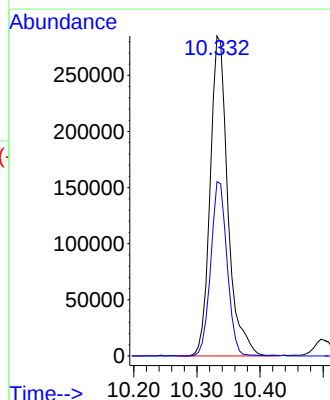
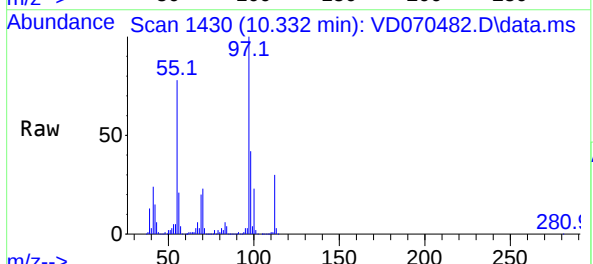
Manual Integrations
APPROVED

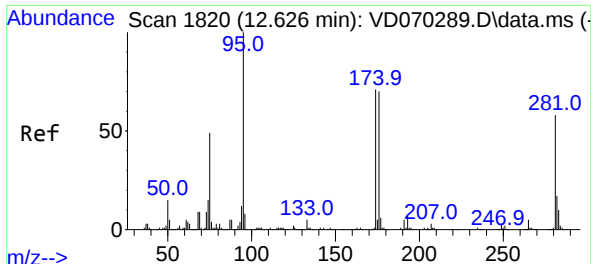
MMDadoda
9/28/2021 7:06:43 PM



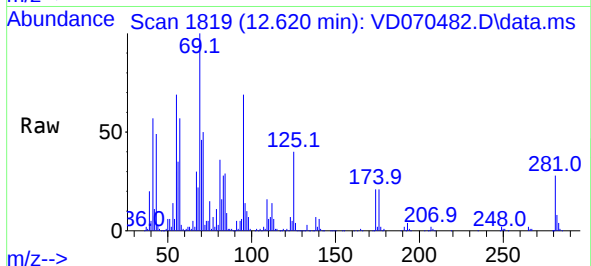
#50
Toluene-d8
Concen: 49.061 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19

Tgt Ion: 98 Resp: 553761
Ion Ratio Lower Upper
98 100
100 50.3 52.0 78.0#

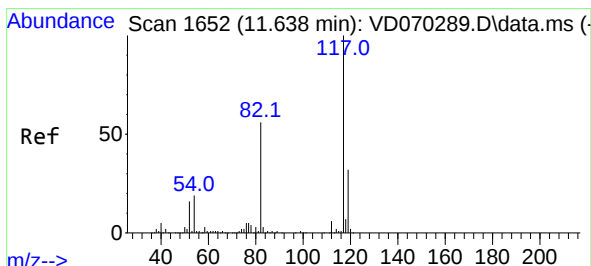
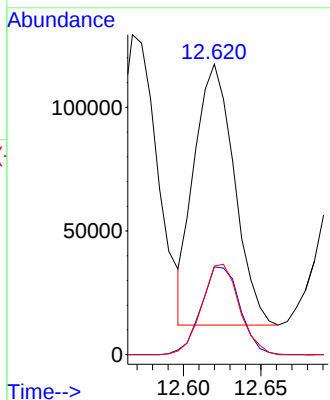
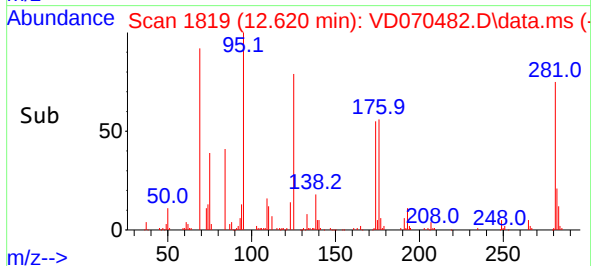




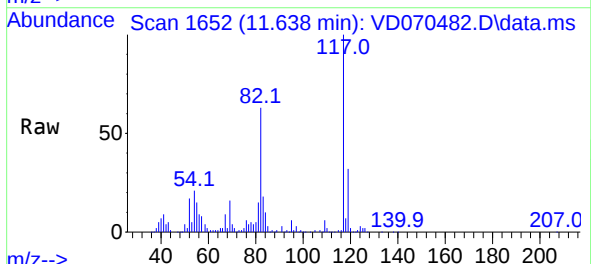
#62
4-Bromofluorobenzene
Concen: 47.967 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19



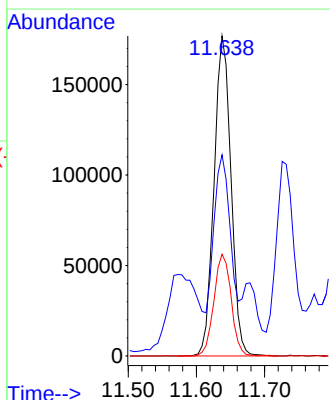
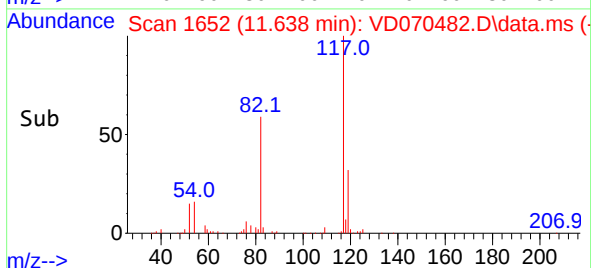
Tgt Ion: 95 Resp: 189218
Ion Ratio Lower Upper
95 100
174 32.6 0.0 140.6
176 32.4 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19



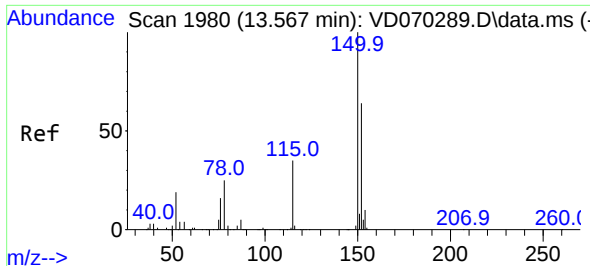
Tgt Ion: 117 Resp: 306611
Ion Ratio Lower Upper
117 100
82 37.4 45.0 67.4#
119 31.8 25.2 37.8



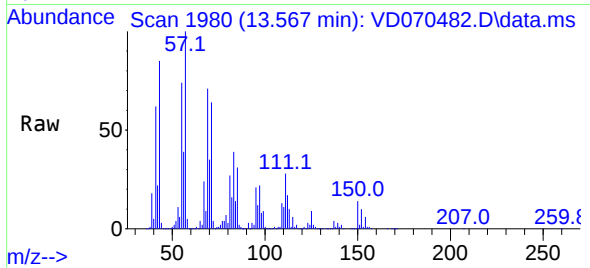
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-03-(8-10)

Manual Integrations
APPROVED

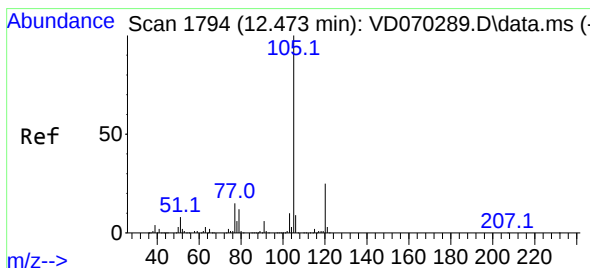
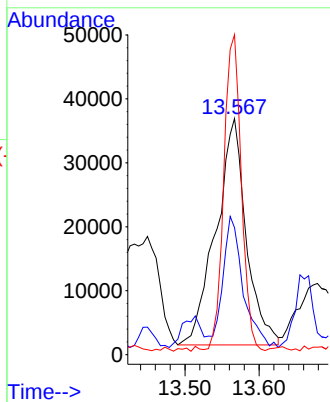
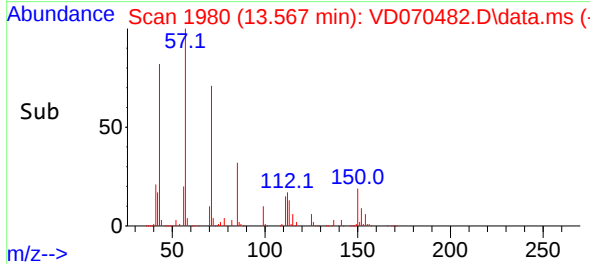
MMDadoda
9/28/2021 7:06:43 PM



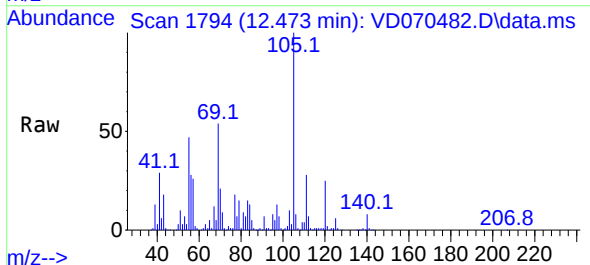
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19



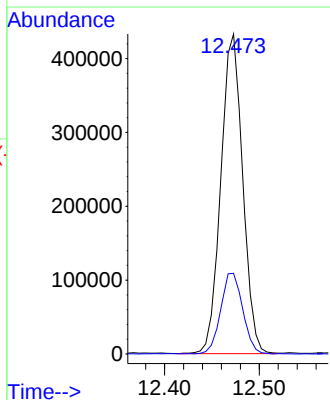
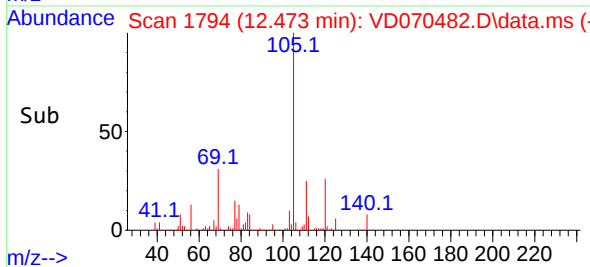
Tgt Ion:152 Resp: 100813
Ion Ratio Lower Upper
152 100
115 38.0 32.1 96.3
150 80.1 0.0 350.6



#73
Isopropylbenzene
Concen: 98.211 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19



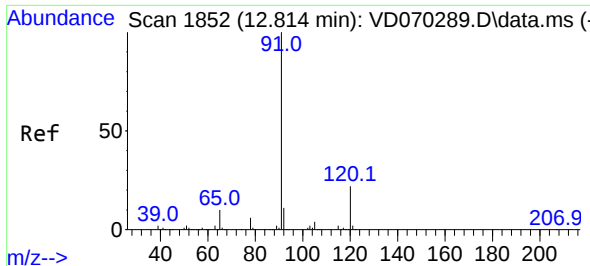
Tgt Ion:105 Resp: 694347
Ion Ratio Lower Upper
105 100
120 25.6 13.0 38.9



Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-03-(8-10)

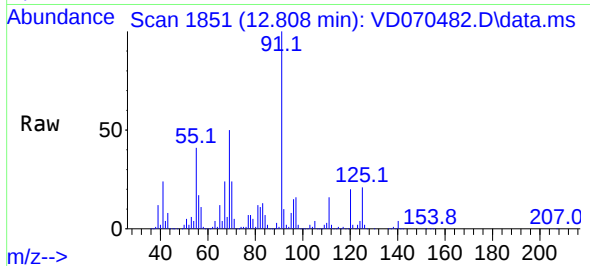
Manual Integrations
APPROVED

MMDadoda
9/28/2021 7:06:43 PM



#78
n-propylbenzene
Concen: 126.563 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19

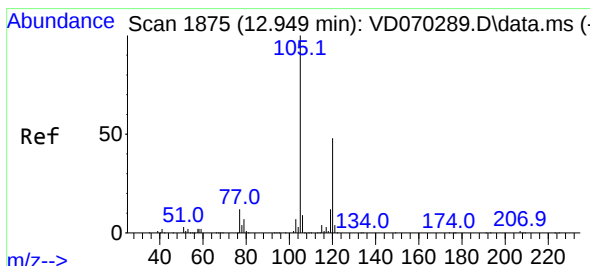
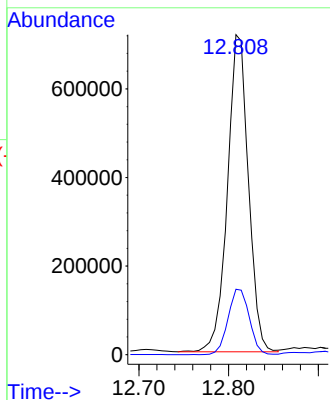
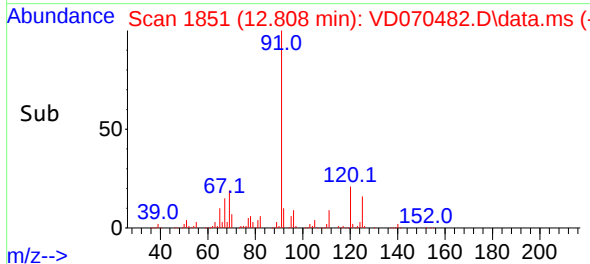
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-03-(8-10)



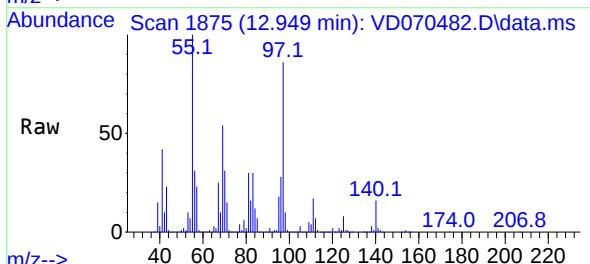
Tgt Ion: 91 Resp: 1161359
Ion Ratio Lower Upper
91 100
120 20.9 11.0 33.0

Manual Integrations
APPROVED

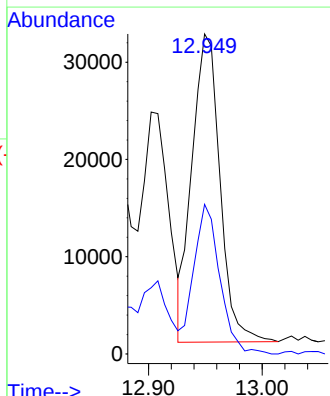
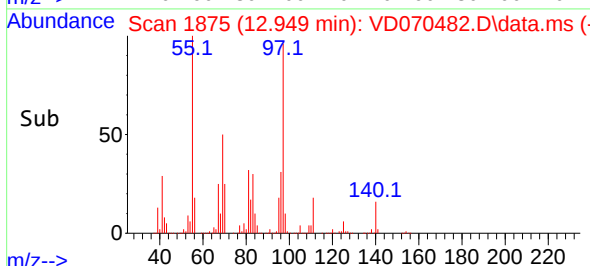
MMDadoda
9/28/2021 7:06:43 PM

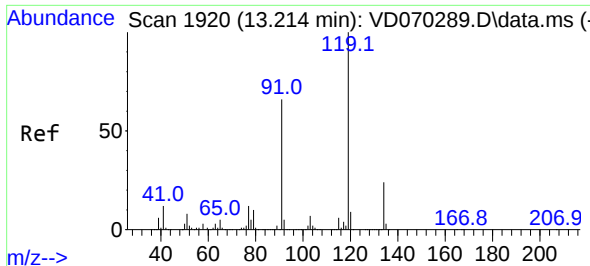


#80
1,3,5-Trimethylbenzene
Concen: 8.884 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19



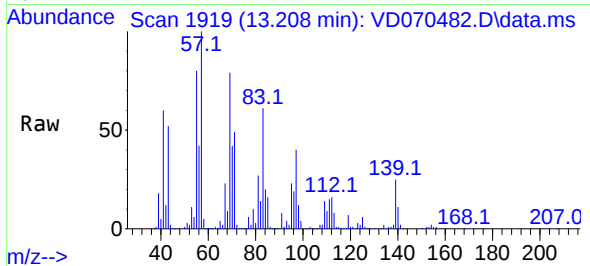
Tgt Ion: 105 Resp: 54206
Ion Ratio Lower Upper
105 100
120 45.6 24.1 72.2





#83
tert-Butylbenzene
Concen: 8.497 ug/l m
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19

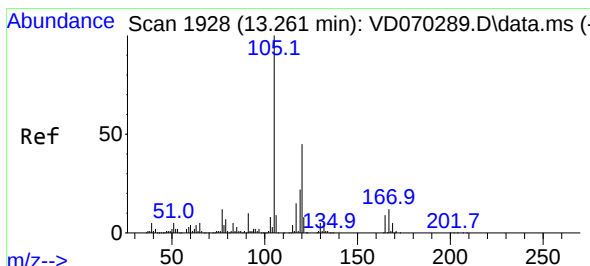
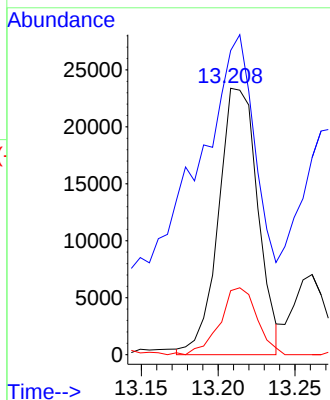
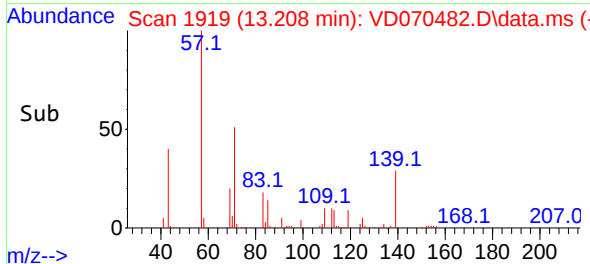
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-03-(8-10)



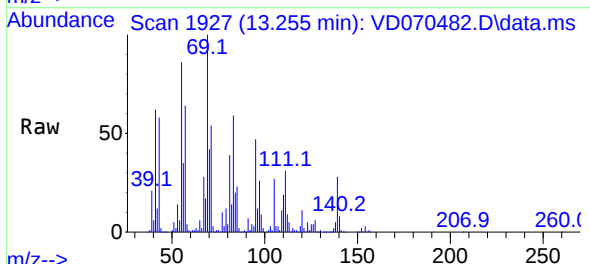
Tgt Ion:119 Resp: 41583
Ion Ratio Lower Upper
119 100
91 77.3 33.7 101.0
134 35.0 13.2 39.5

Manual Integrations
APPROVED

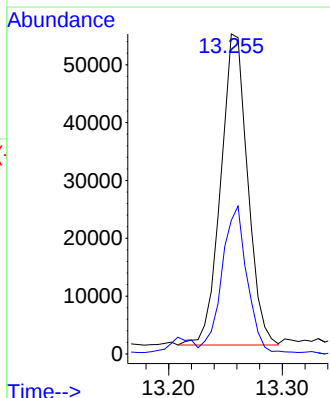
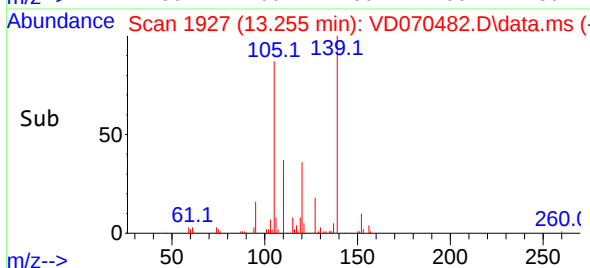
MMDadoda
9/28/2021 7:06:43 PM

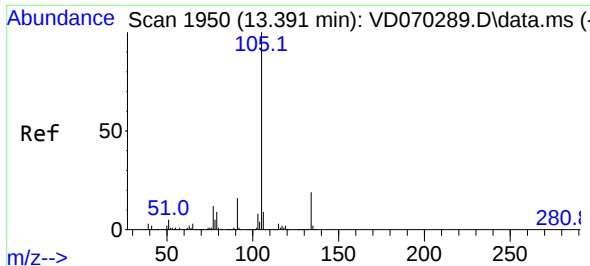


#84
1,2,4-Trimethylbenzene
Concen: 14.741 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19



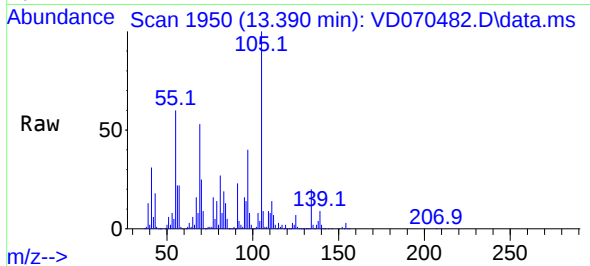
Tgt Ion:105 Resp: 88571
Ion Ratio Lower Upper
105 100
120 44.4 22.3 66.8





#85
 sec-Butylbenzene
 Concen: 119.037 ug/l
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD070482.D
 Acq: 27 Sep 2021 17:19

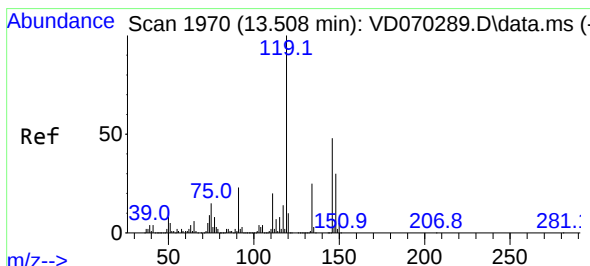
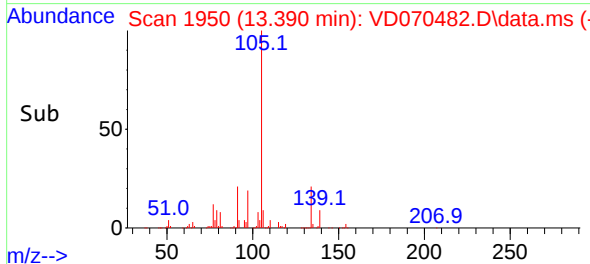
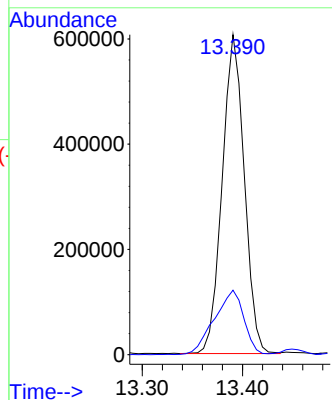
Instrument :
 MSVOA_D
 ClientSampleId :
 SUP-UST-03-(8-10)



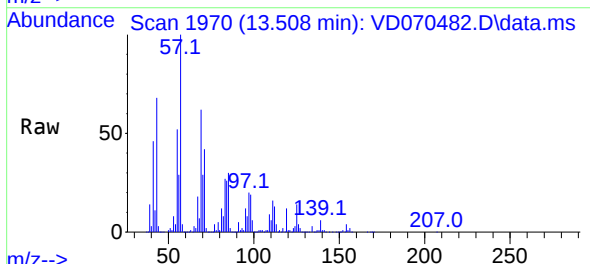
Tgt Ion:105 Resp: 925953
 Ion Ratio Lower Upper
 105 100
 134 27.2 9.8 29.3

Manual Integrations
 APPROVED

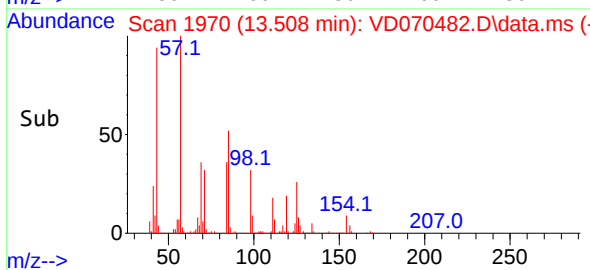
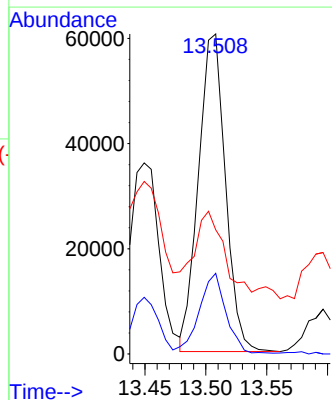
MMDadoda
 9/28/2021 7:06:43 PM

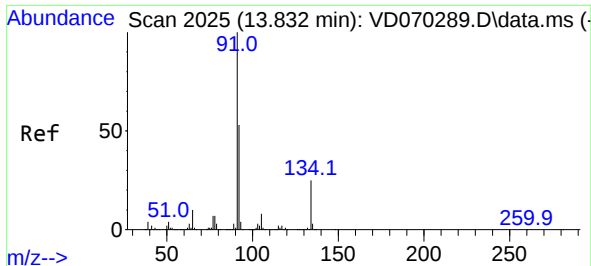


#86
 p-Isopropyltoluene
 Concen: 14.927 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. -0.000 min
 Lab File: VD070482.D
 Acq: 27 Sep 2021 17:19



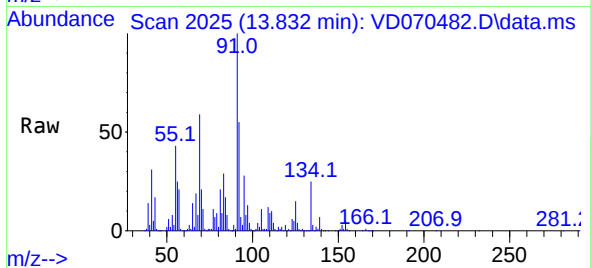
Tgt Ion:119 Resp: 93294
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.7 38.0
 91 33.1 11.8 35.3





#89
n-Butylbenzene
Concen: 139.088 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD070482.D
Acq: 27 Sep 2021 17:19

Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-03-(8-10)



Tgt Ion: 91 Resp: 866696
Ion Ratio Lower Upper
91 100
92 49.1 26.8 80.4
134 0.0 12.1 36.3#

Manual Integrations
APPROVED

MMDadoda
9/28/2021 7:06:43 PM

