

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021621\
 Data File : VD068371.D
 Acq On : 16 Feb 2021 15:41
 Operator : VA/SY
 Sample : M1425-06
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SLUDGE-COMP

Manual Integrations
 APPROVED

MMDadoda
 2/17/2021 12:28:25 PM

Quant Time: Feb 17 00:05:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 13:30:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	145157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	342494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	148610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	24544	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	185957	125.31	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 250.62%#			
35) Dibromofluoromethane	7.914	113	152377	74.95	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 149.90%#			
50) Toluene-d8	10.338	98	263760	31.30	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 62.60%			
62) 4-Bromofluorobenzene	12.632	95	44489	16.21	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 32.42%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.214	59	13502	181.48	ug/l #	90
12) 1,1-Dichloroethene	4.067	96	1803	1.31	ug/l #	68
16) Acetone	4.156	43	46710	204.02	ug/l	96
17) Carbon Disulfide	4.409	76	97204	24.31	ug/l	96
25) 2-Butanone	7.214	43	6917	21.61	ug/l	95
30) Chloroform	7.708	83	70977	25.11	ug/l	96
31) Cyclohexane	7.967	56	22368	8.58	ug/l #	56
39) Methylcyclohexane	9.355	83	19844	5.34	ug/l	87
40) Benzene	8.350	78	26002	3.01	ug/l	99
51) 4-Methyl-2-Pentanone	10.232	43	21918	21.77	ug/l	99
52) Toluene	10.402	92	157276	28.30	ug/l	94
64) Tetrachloroethene	10.873	164	1919	2.10	ug/l #	69
65) Chlorobenzene	11.673	112	5710	2.00	ug/l	91
67) Ethyl Benzene	11.744	91	108651	21.21	ug/l	98
68) m/p-Xylenes	11.849	106	136859	70.68	ug/l	100
69) o-Xylene	12.179	106	105698	59.50	ug/l	98
73) Isopropylbenzene	12.485	105	78533	43.80	ug/l	85
78) n-propylbenzene	12.820	91	102161	47.60	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	145712	99.46	ug/l	94
84) 1,2,4-Trimethylbenzene	13.267	105	364430	249.69	ug/l	98
85) sec-Butylbenzene	13.402	105	55206	31.06	ug/l	85
86) p-Isopropyltoluene	13.514	119	639012	400.45	ug/l #	74
89) n-Butylbenzene	13.843	91	54930m	35.28	ug/l	
95) Naphthalene	15.396	128	21652	26.47	ug/l	96

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

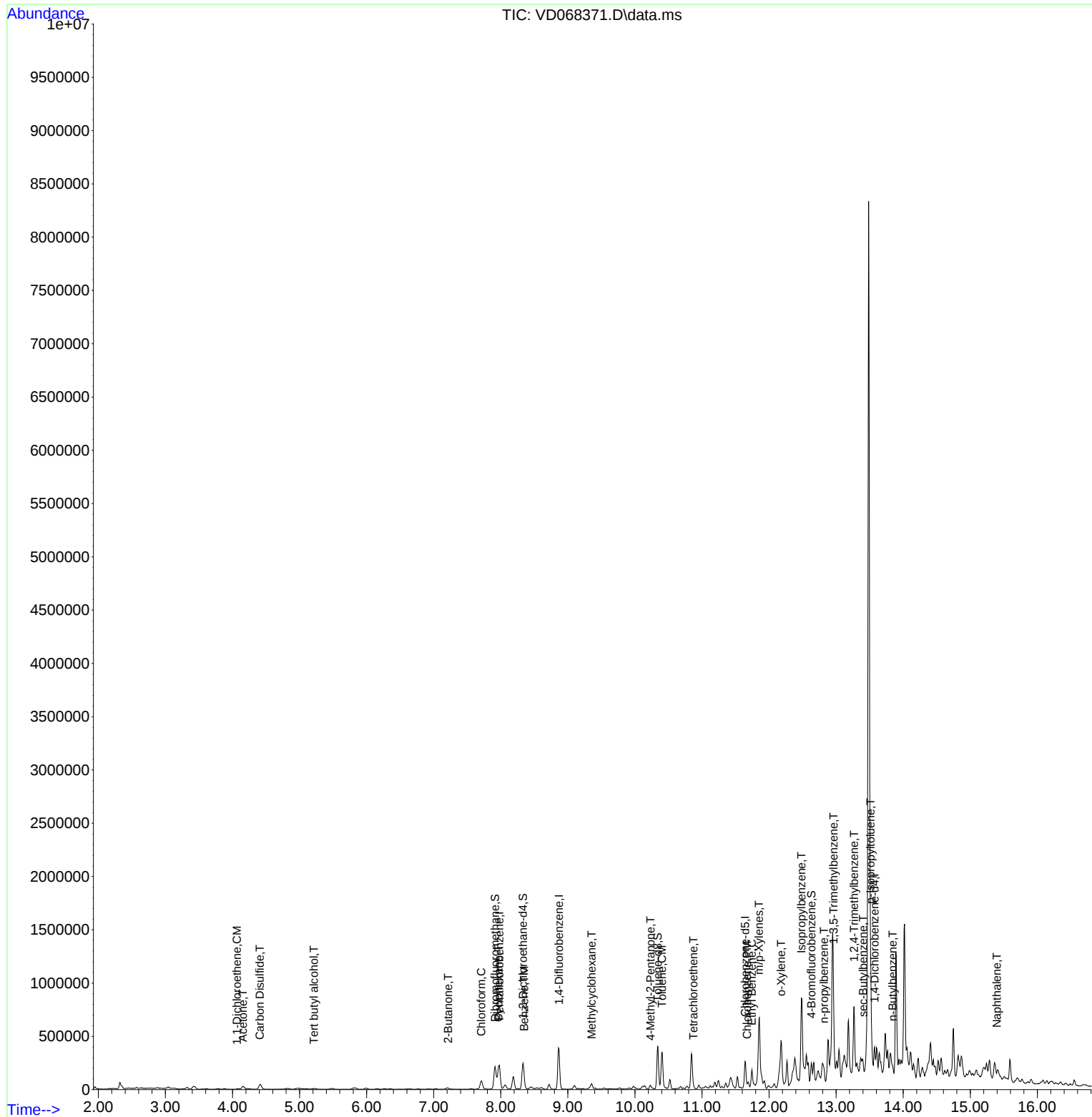
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021621\
Data File : VD068371.D
Acq On : 16 Feb 2021 15:41
Operator : VA/SY
Sample : M1425-06
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

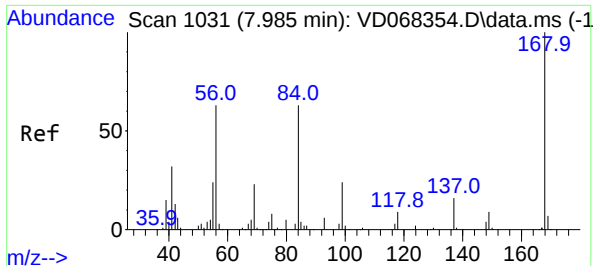
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

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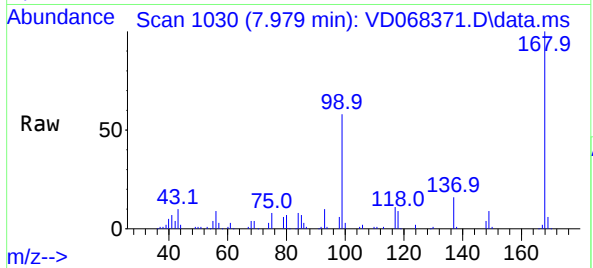
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2/17/2021 12:28:25 PM

Quant Time: Feb 17 00:05:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 12 13:30:51 2021
Response via : Initial Calibration

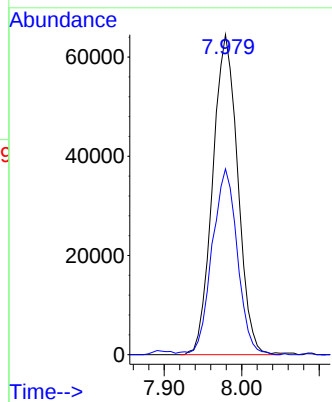
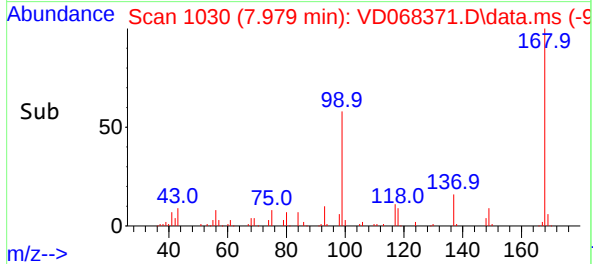




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41



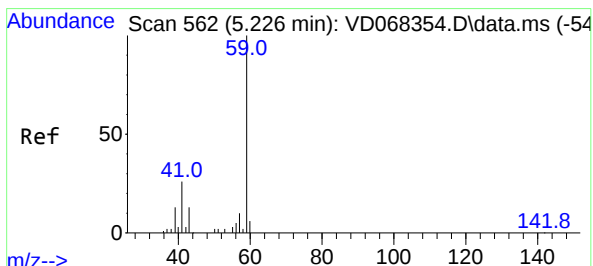
Tgt Ion:168 Resp: 145157
Ion Ratio Lower Upper
168 100
99 58.0 43.5 65.3



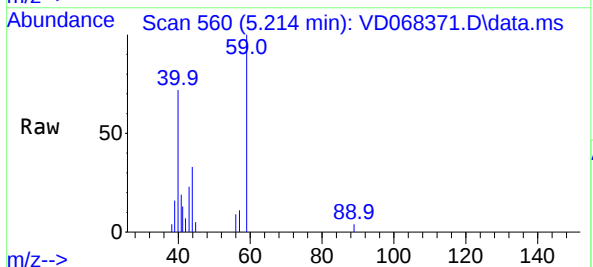
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MSVOA_D
ClientSampleId :
SLUDGE-COMP

Manual Integrations
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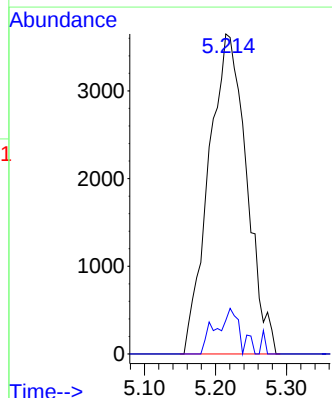
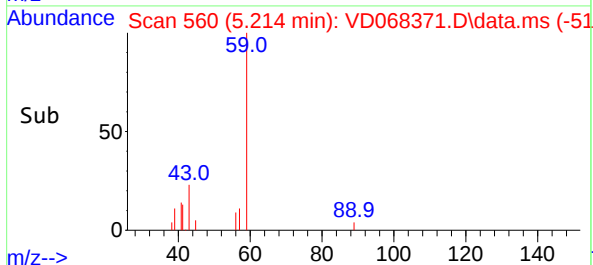
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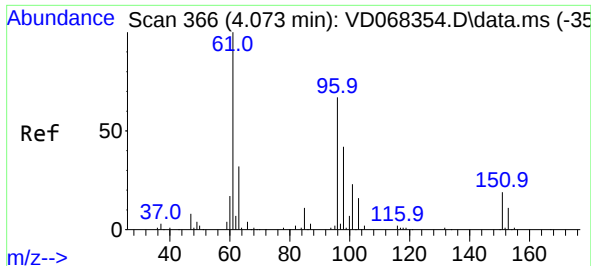


#11
Tert butyl alcohol
Concen: 181.48 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41



Tgt Ion: 59 Resp: 13502
Ion Ratio Lower Upper
59 100
57 5.6 7.4 11.2#





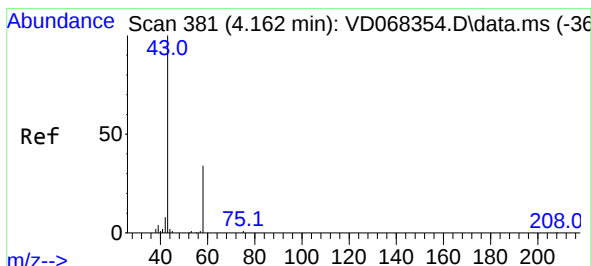
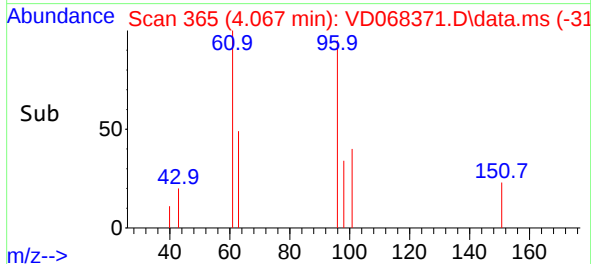
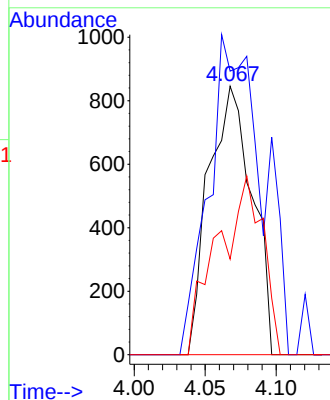
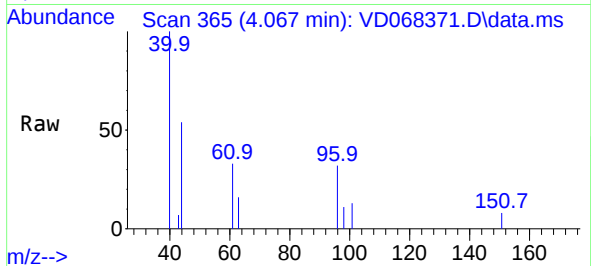
#12
1,1-Dichloroethene
Concen: 1.31 ug/l
RT: 4.067 min Scan# 365
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 96 Resp: 1803
Ion Ratio Lower Upper
96 100
61 105.6 116.2 174.4#
98 35.6 48.6 73.0#

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

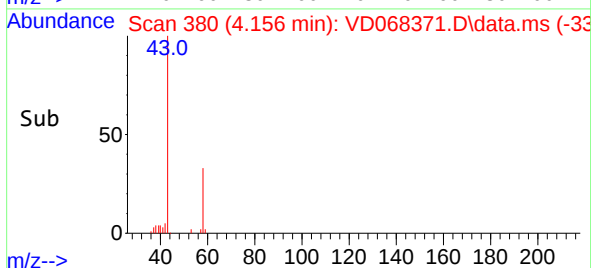
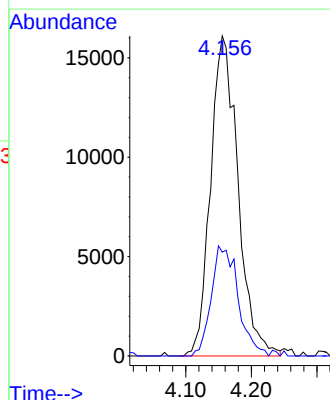
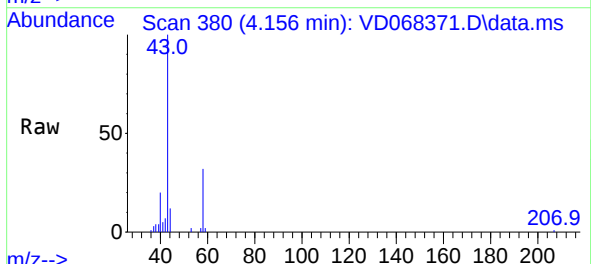
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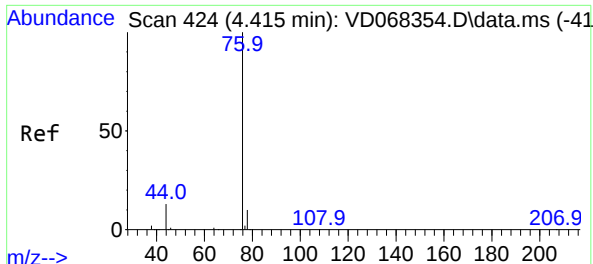
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#16
Acetone
Concen: 204.02 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

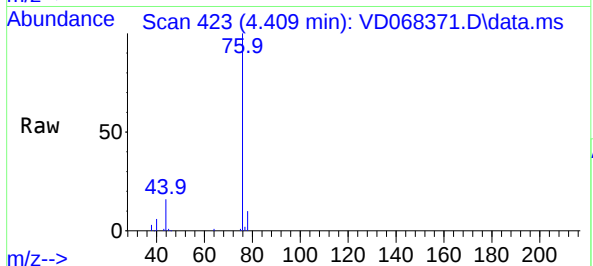
Tgt Ion: 43 Resp: 46710
Ion Ratio Lower Upper
43 100
58 32.5 24.2 36.4





#17
Carbon Disulfide
Concen: 24.31 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

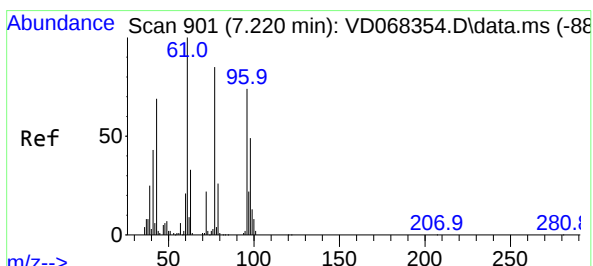
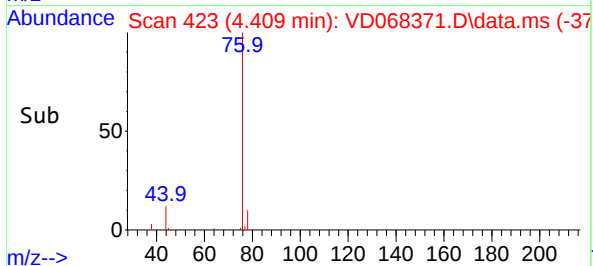
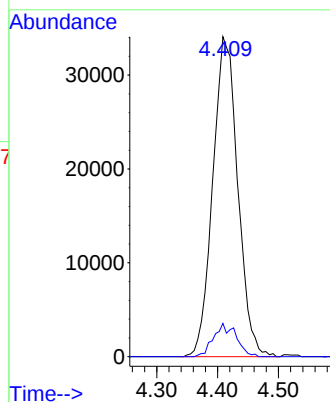
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP



Tgt Ion: 76 Resp: 97204
Ion Ratio Lower Upper
76 100
78 10.4 7.3 10.9

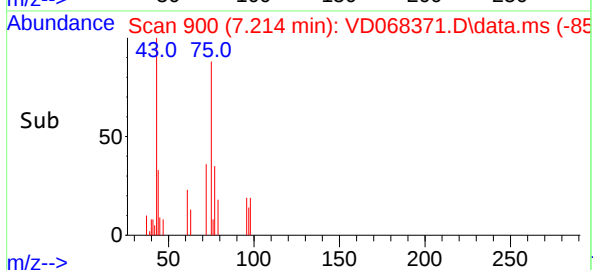
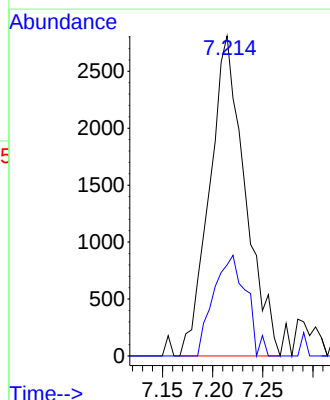
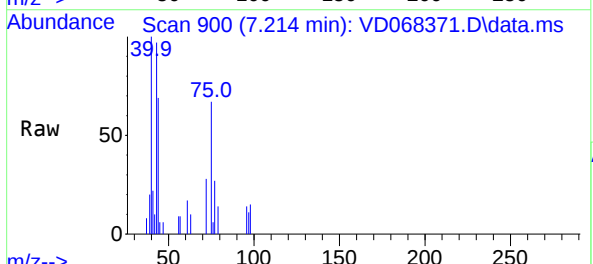
Manual Integrations
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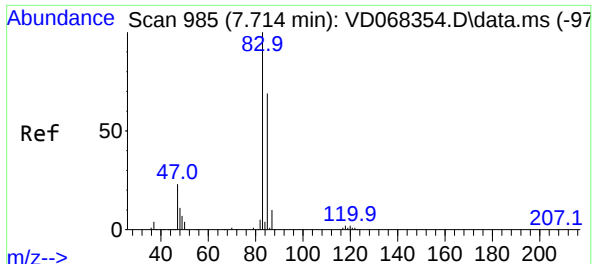
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#25
2-Butanone
Concen: 21.61 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 43 Resp: 6917
Ion Ratio Lower Upper
43 100
72 28.5 25.1 37.7





#30

Chloroform

Concen: 25.11 ug/l

RT: 7.708 min Scan# 984

Delta R.T. -0.006 min

Lab File: VD068371.D

Acq: 16 Feb 2021 15:41

Tgt Ion: 83 Resp: 70977

Ion Ratio Lower Upper

83 100

85 63.6 53.4 80.0

Instrument :

MSVOA_D

ClientSampleId :

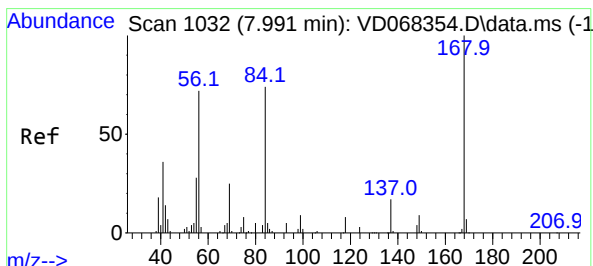
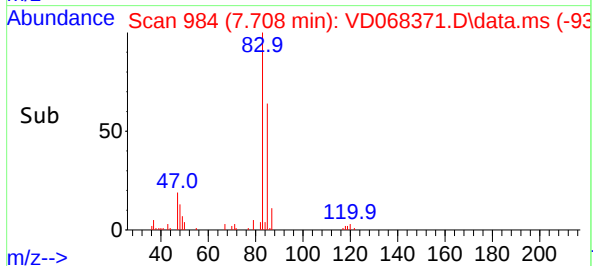
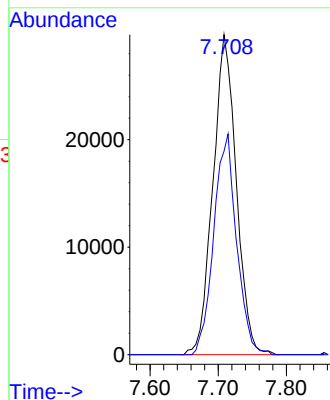
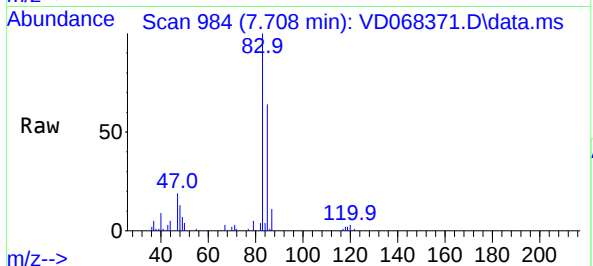
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#31

Cyclohexane

Concen: 8.58 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.024 min

Lab File: VD068371.D

Acq: 16 Feb 2021 15:41

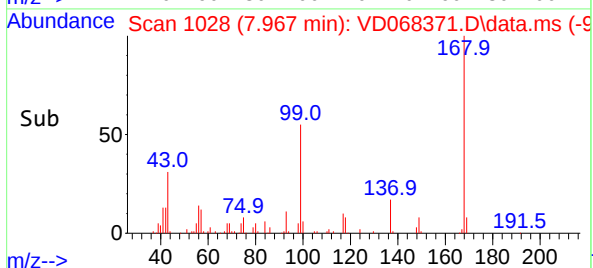
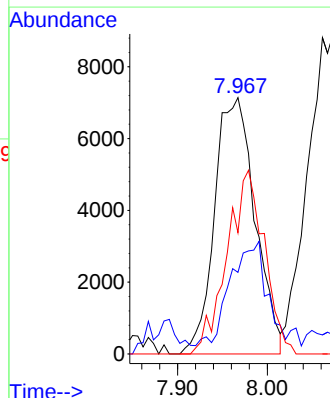
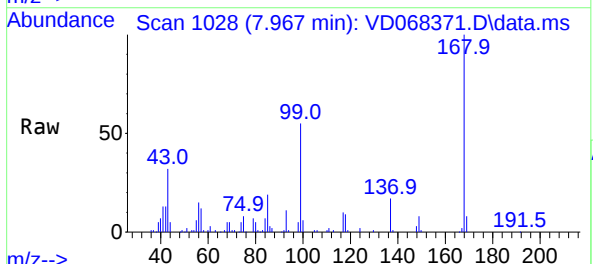
Tgt Ion: 56 Resp: 22368

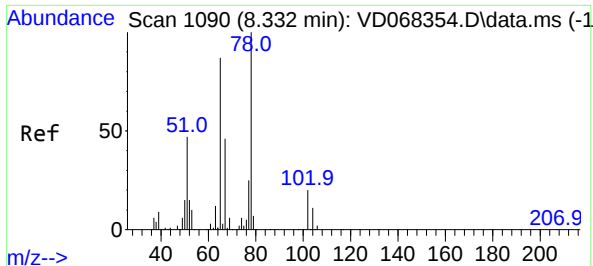
Ion Ratio Lower Upper

56 100

69 27.7 30.1 45.1#

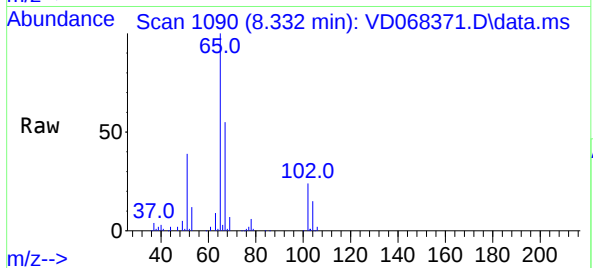
84 47.3 82.1 123.1#





#33
1,2-Dichloroethane-d4
Concen: 125.31 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

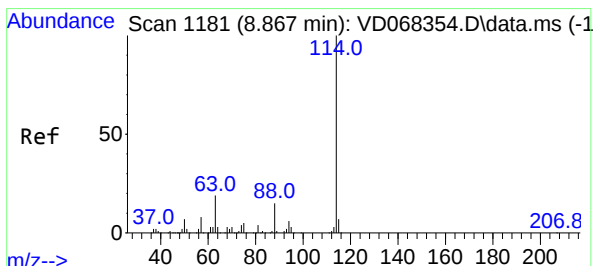
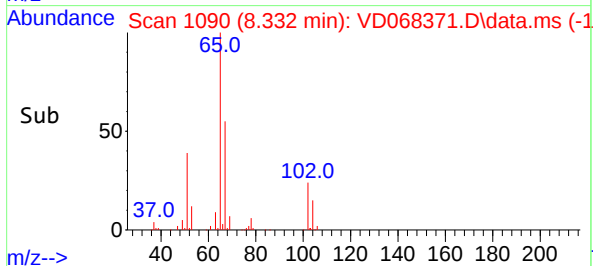
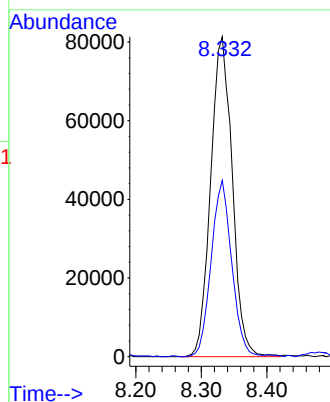
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP



Tgt Ion: 65 Resp: 185957
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.0

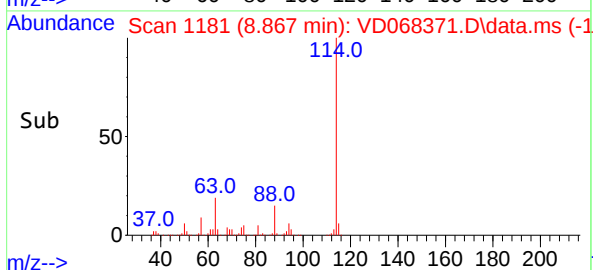
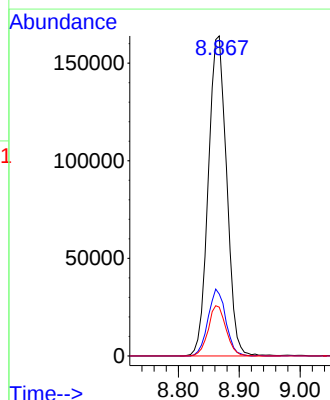
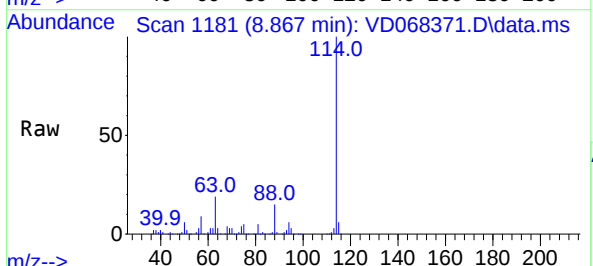
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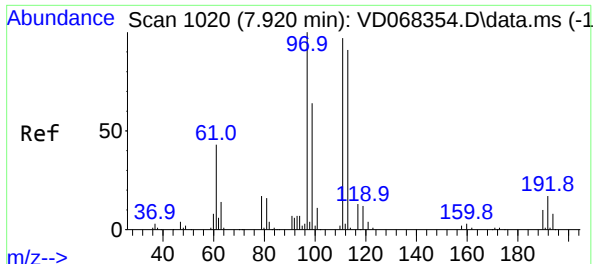
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#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 114 Resp: 342494
Ion Ratio Lower Upper
114 100
63 19.4 0.0 34.8
88 15.3 0.0 31.6





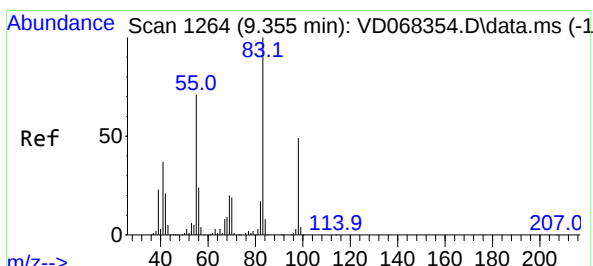
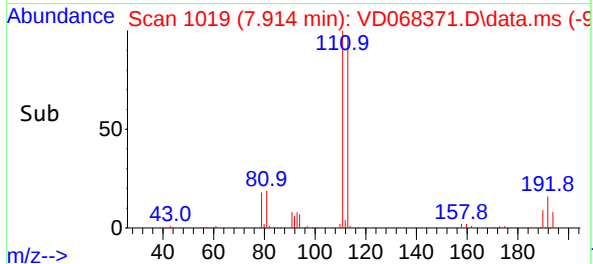
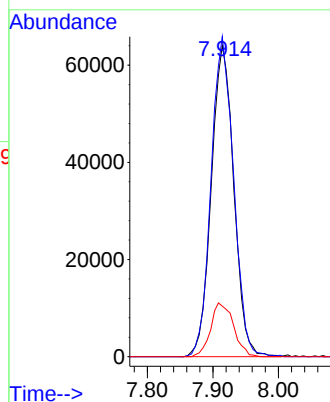
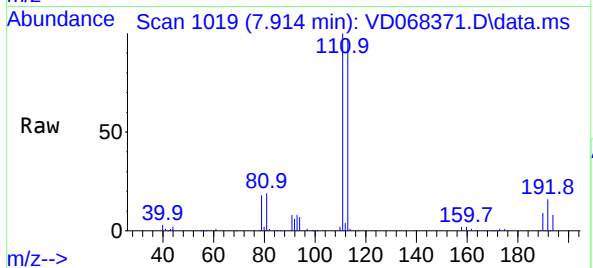
#35
Dibromofluoromethane
Concen: 74.95 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 113 Resp: 152377
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 17.5 16.1 24.1

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

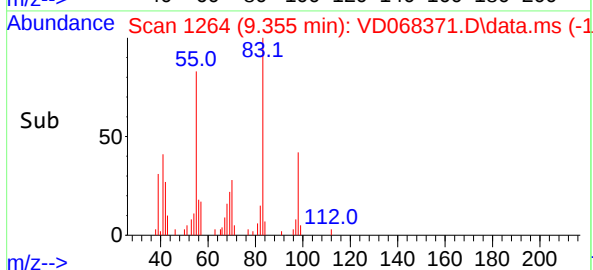
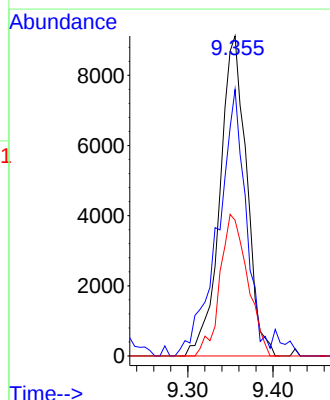
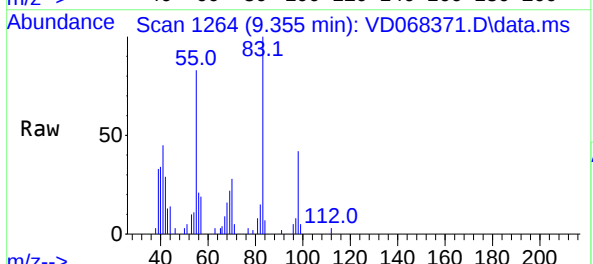
Manual Integrations
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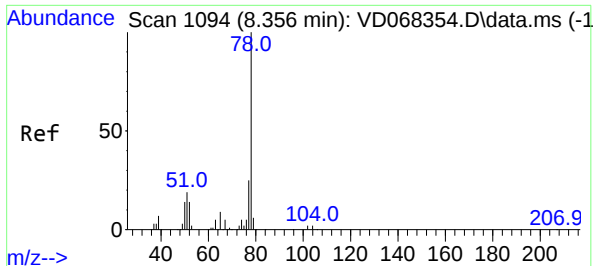
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#39
Methylcyclohexane
Concen: 5.34 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

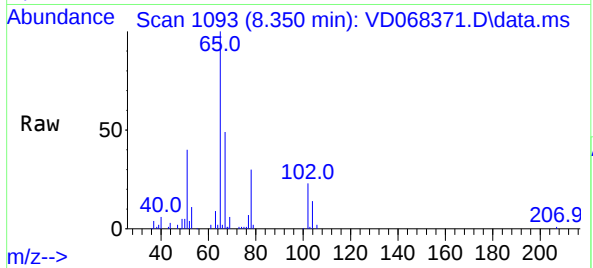
Tgt Ion: 83 Resp: 19844
Ion Ratio Lower Upper
83 100
55 81.3 55.2 82.8
98 42.4 39.1 58.7





#40
Benzene
Concen: 3.01 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

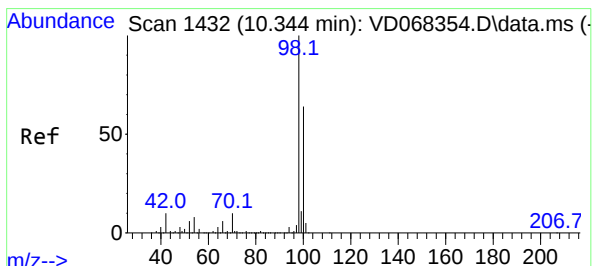
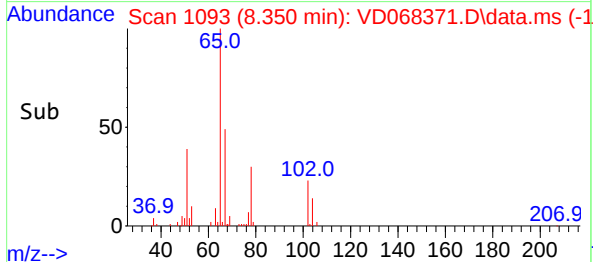
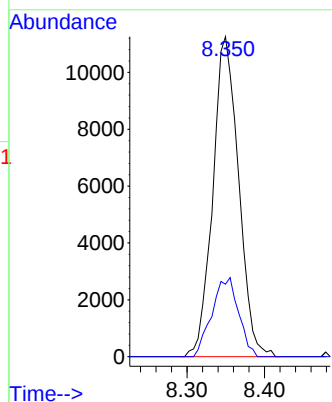
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP



Tgt Ion: 78 Resp: 26002
Ion Ratio Lower Upper
78 100
77 22.6 17.8 26.6

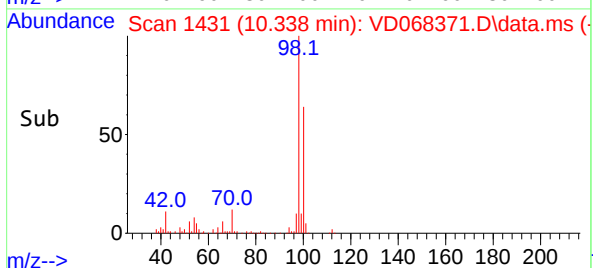
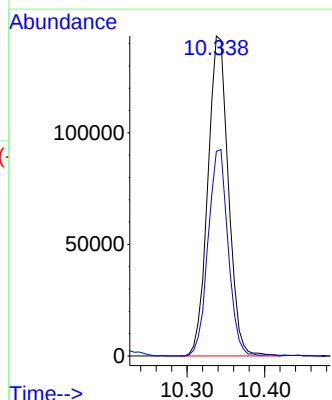
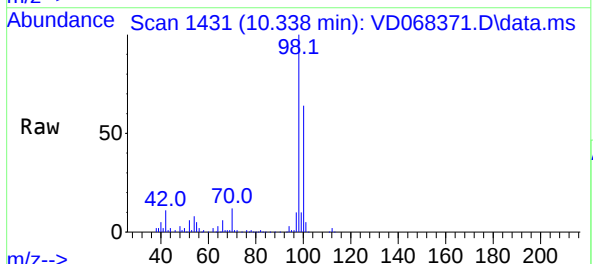
Manual Integrations
APPROVED

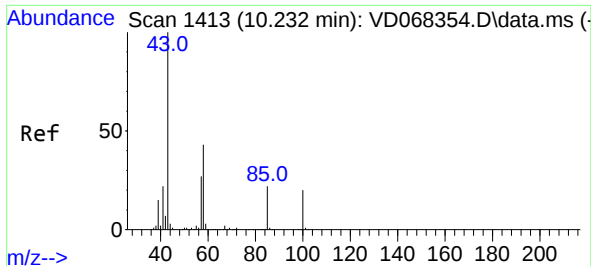
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#50
Toluene-d8
Concen: 31.30 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 98 Resp: 263760
Ion Ratio Lower Upper
98 100
100 62.9 53.0 79.4





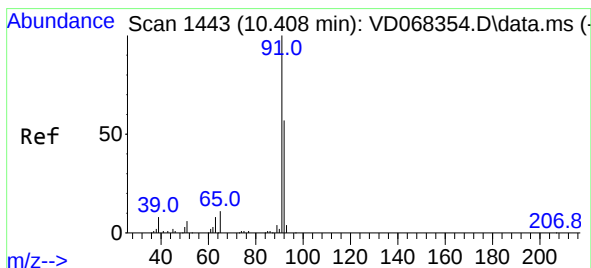
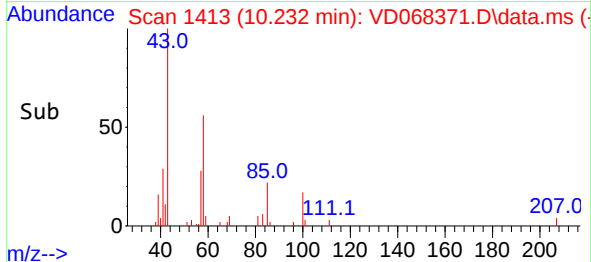
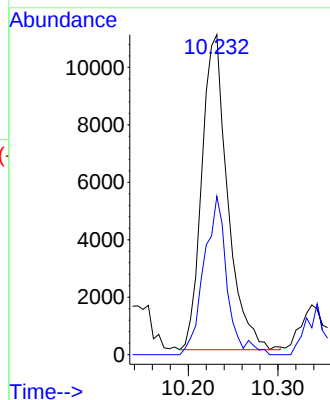
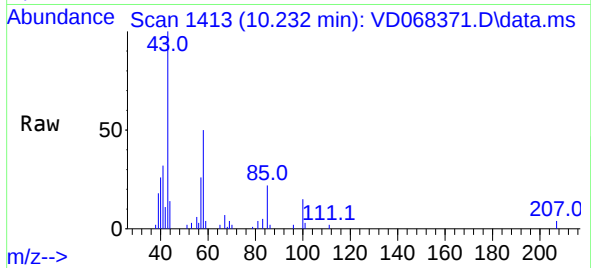
#51
4-Methyl-2-Pentanone
Concen: 21.77 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 43 Resp: 21918
Ion Ratio Lower Upper
43 100
58 44.7 36.1 54.1

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

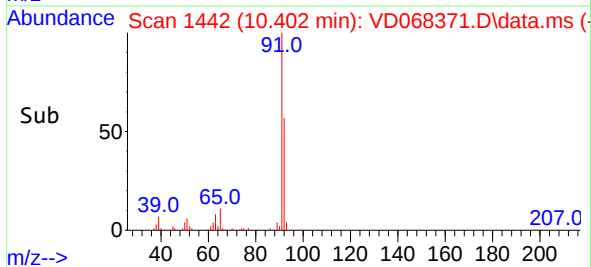
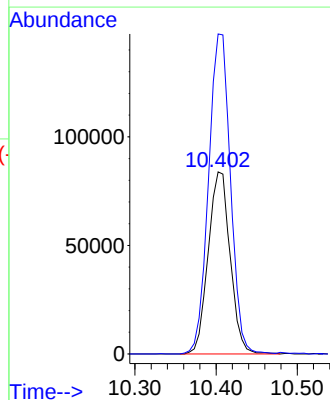
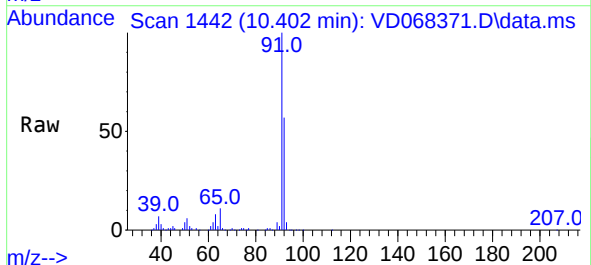
Manual Integrations
APPROVED

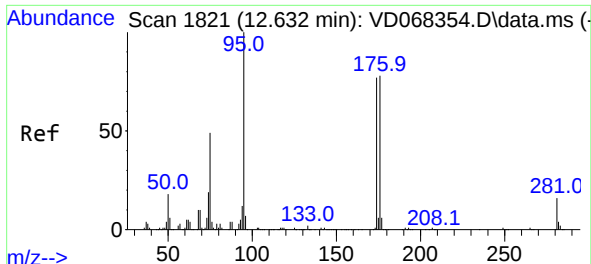
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#52
Toluene
Concen: 28.30 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

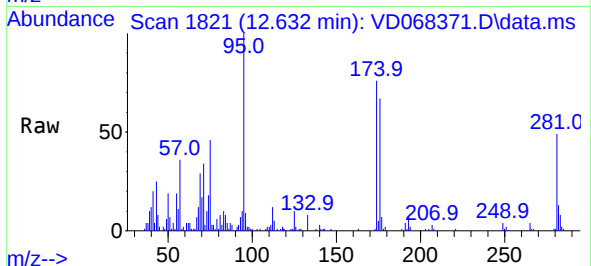
Tgt Ion: 92 Resp: 157276
Ion Ratio Lower Upper
92 100
91 175.8 134.1 201.1





#62
4-Bromofluorobenzene
Concen: 16.21 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

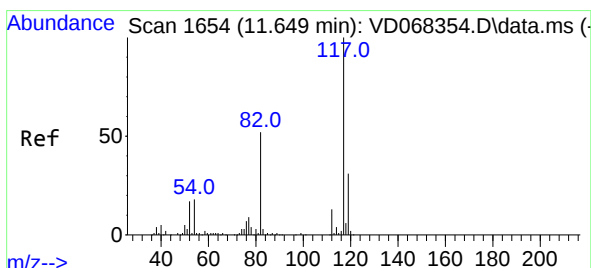
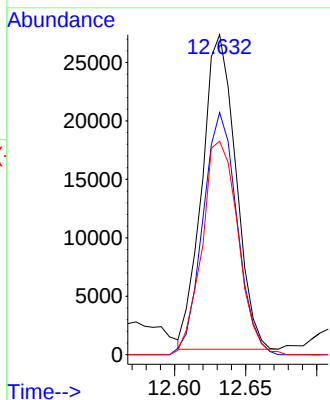
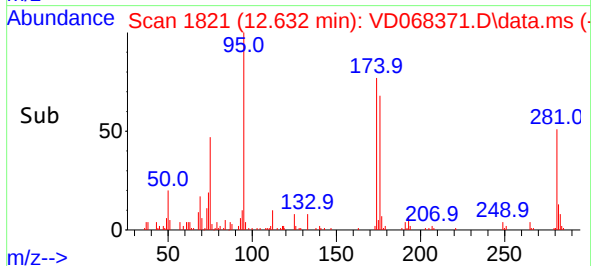
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP



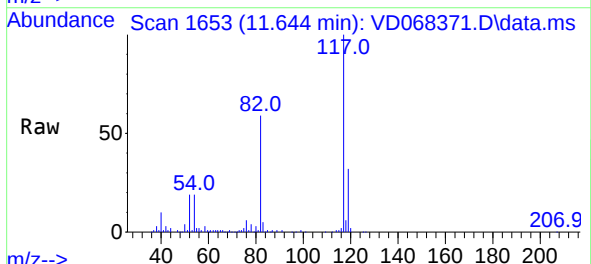
Tgt Ion: 95 Resp: 44489
Ion Ratio Lower Upper
95 100
174 78.1 0.0 172.4
176 72.3 0.0 168.4

Manual Integrations
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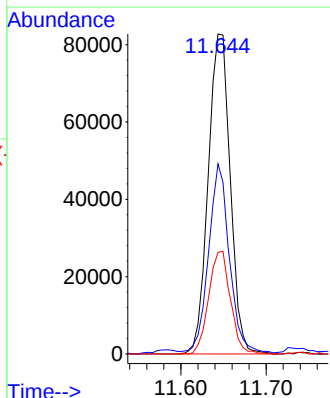
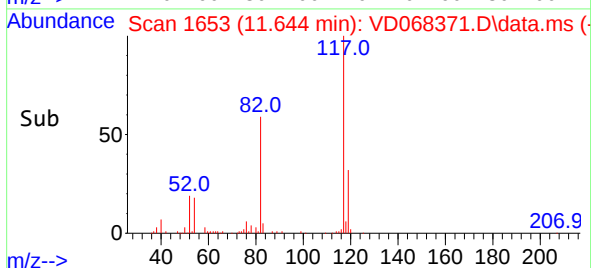
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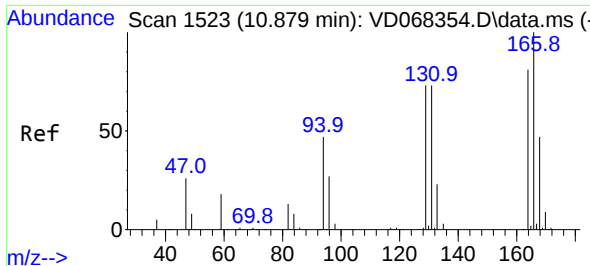


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41



Tgt Ion: 117 Resp: 148610
Ion Ratio Lower Upper
117 100
82 58.9 41.4 62.0
119 31.8 26.1 39.1





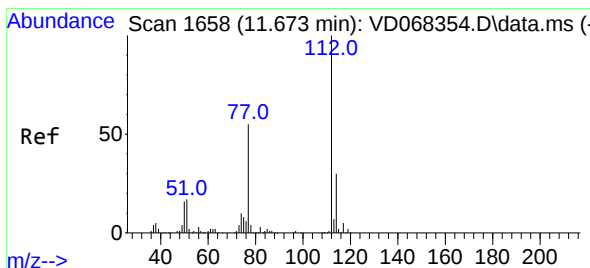
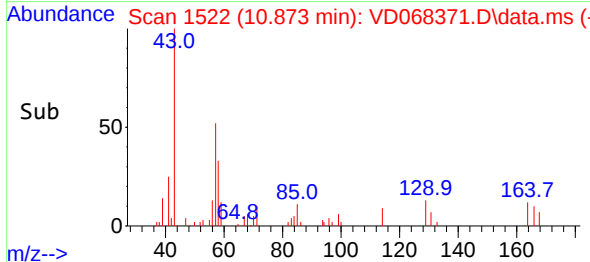
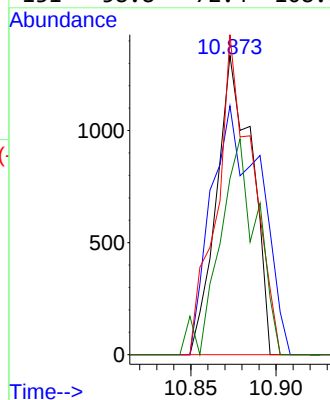
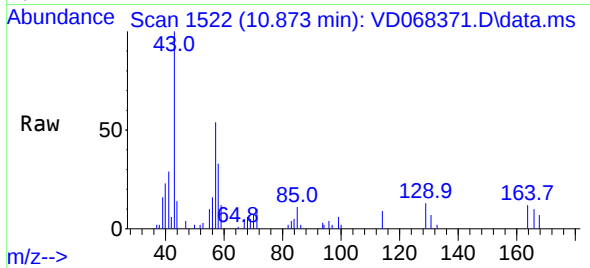
#64
Tetrachloroethene
Concen: 2.10 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion:	164	Resp:	1919
Ion	Ratio	Lower	Upper
164	100		
166	83.1	105.5	158.3#
129	107.0	75.6	113.4
131	58.8	72.4	108.6#

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

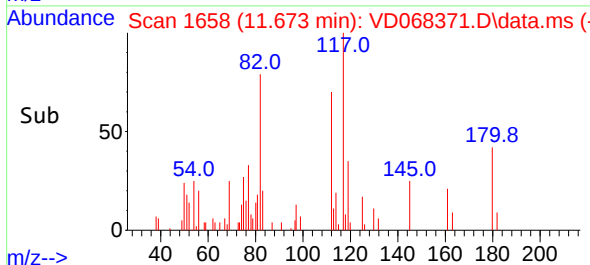
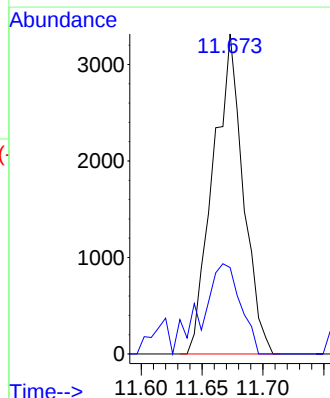
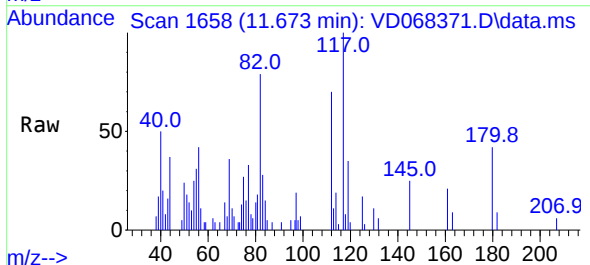
Manual Integrations
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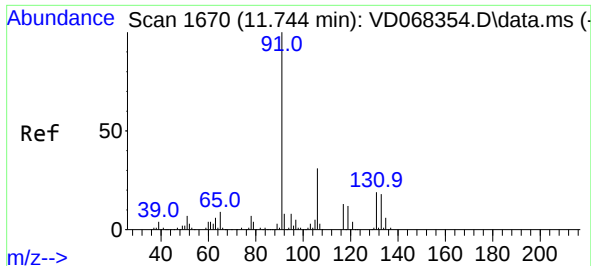
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#65
Chlorobenzene
Concen: 2.00 ug/l
RT: 11.673 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion:	112	Resp:	5710
Ion	Ratio	Lower	Upper
112	100		
114	27.0	25.7	38.5





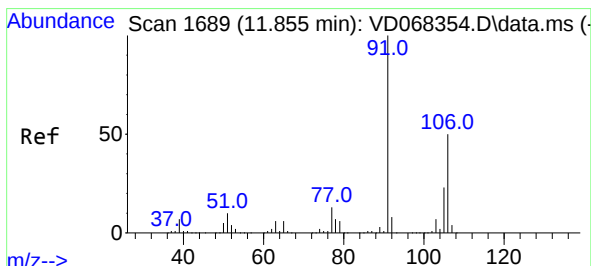
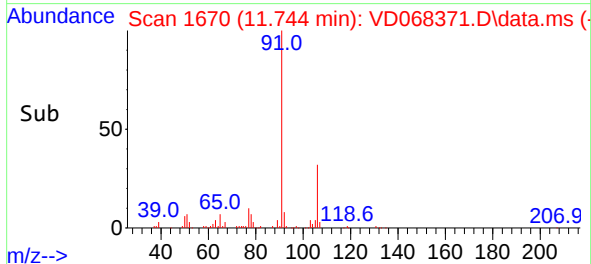
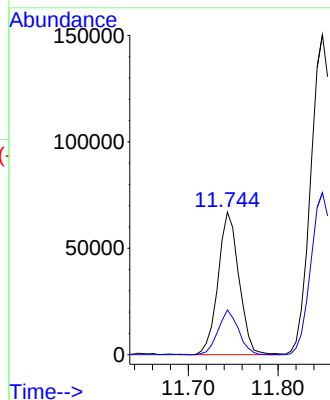
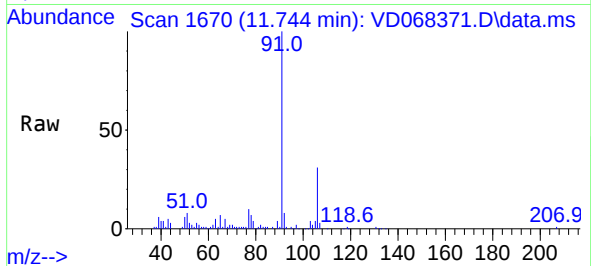
#67
Ethyl Benzene
Concen: 21.21 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 91 Resp: 108651
Ion Ratio Lower Upper
91 100
106 31.5 25.9 38.9

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

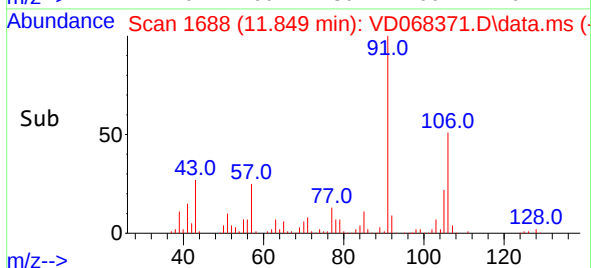
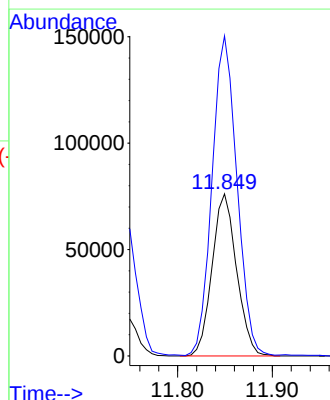
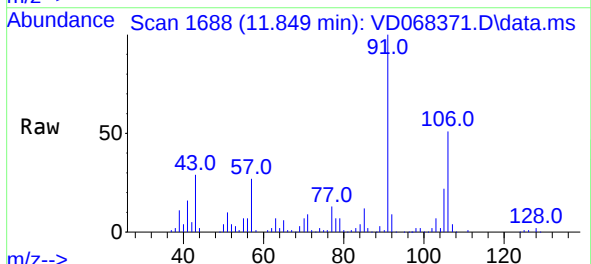
Manual Integrations
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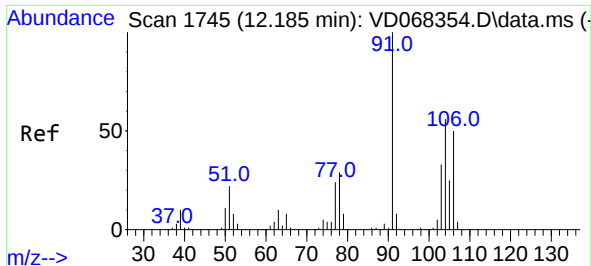
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#68
m/p-Xylenes
Concen: 70.68 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion:106 Resp: 136859
Ion Ratio Lower Upper
106 100
91 199.5 159.1 238.7





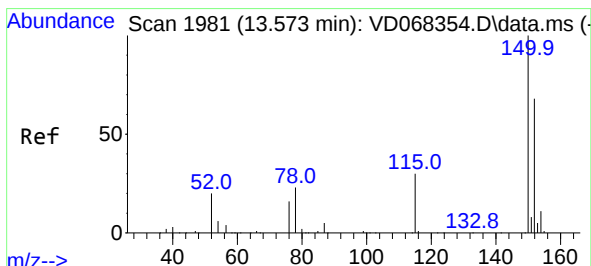
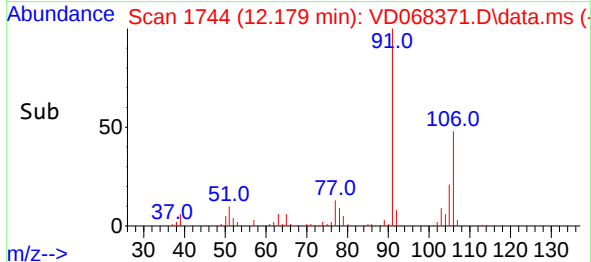
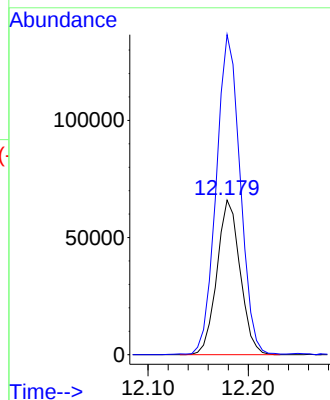
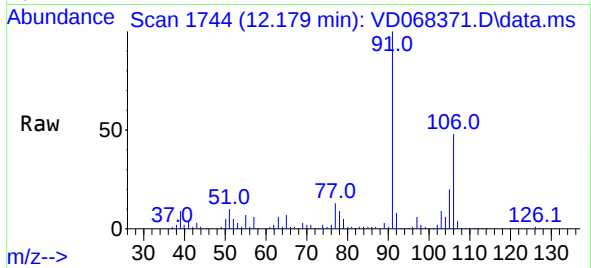
#69
o-Xylene
Concen: 59.50 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion:106 Resp: 105698
Ion Ratio Lower Upper
106 100
91 214.3 108.7 325.9

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

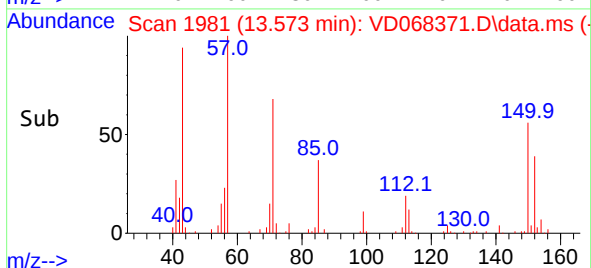
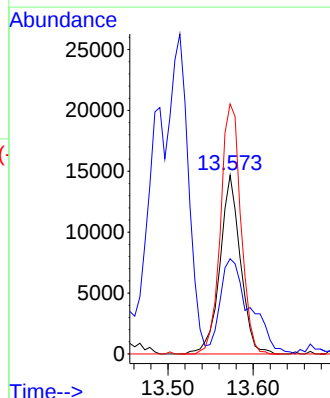
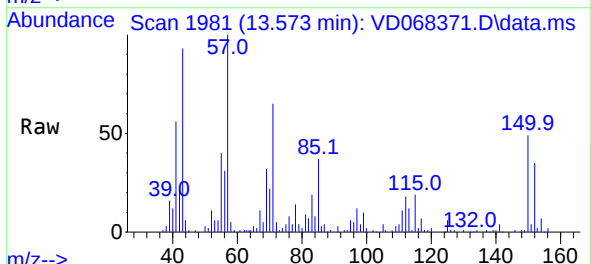
Manual Integrations
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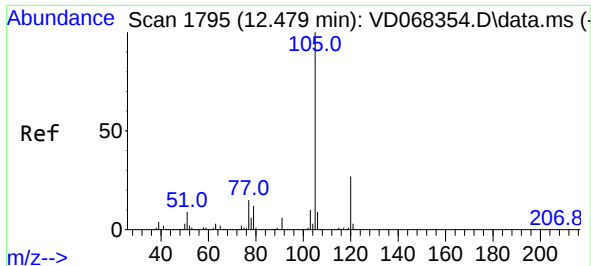
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

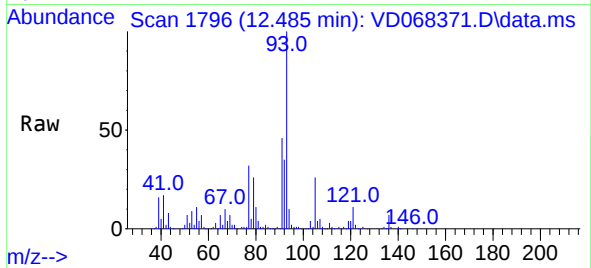
Tgt Ion:152 Resp: 24544
Ion Ratio Lower Upper
152 100
115 77.7 28.9 86.8
150 138.8 0.0 344.4





#73
Isopropylbenzene
Concen: 43.80 ug/l
RT: 12.485 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

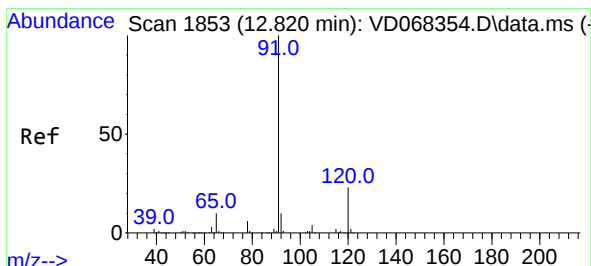
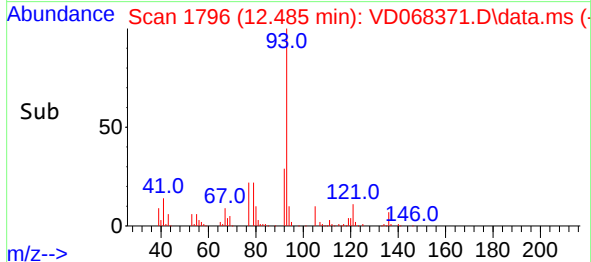
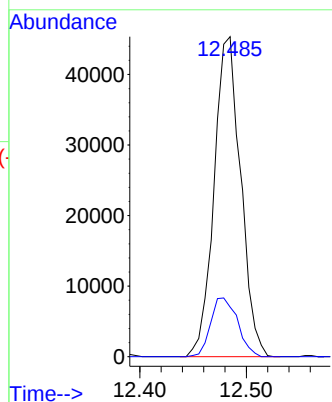
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP



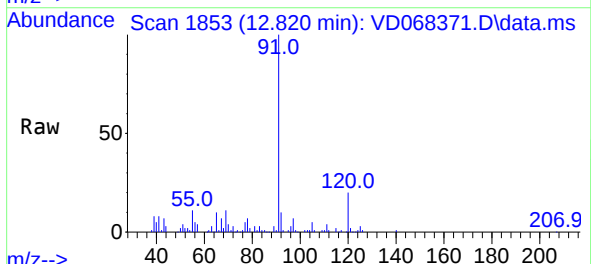
Tgt Ion:105 Resp: 78533
Ion Ratio Lower Upper
105 100
120 18.6 13.2 39.6

Manual Integrations
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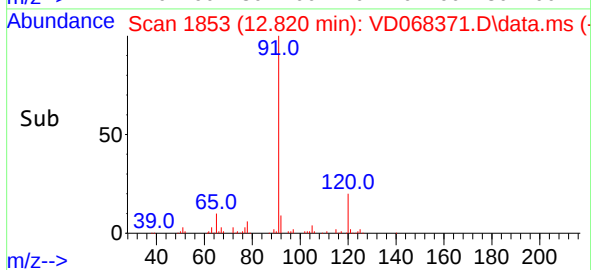
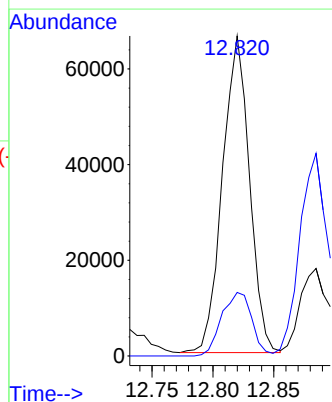
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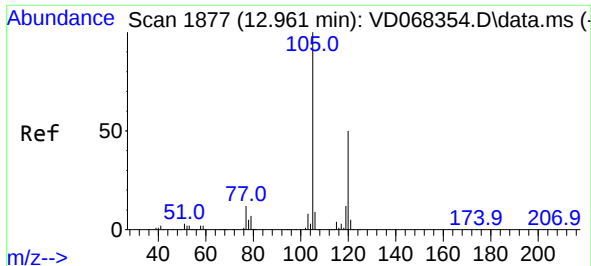


#78
n-propylbenzene
Concen: 47.60 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41



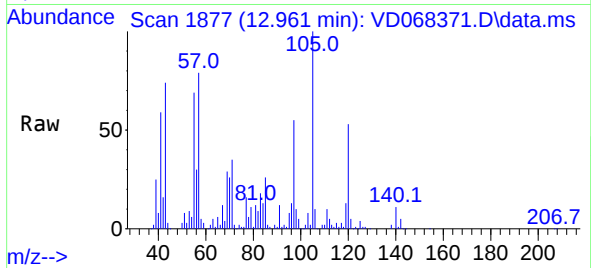
Tgt Ion: 91 Resp: 102161
Ion Ratio Lower Upper
91 100
120 22.5 12.0 36.0





#80
1,3,5-Trimethylbenzene
Concen: 99.46 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

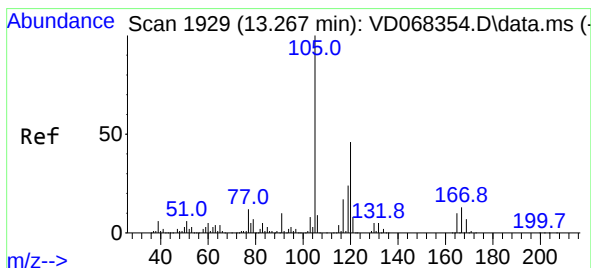
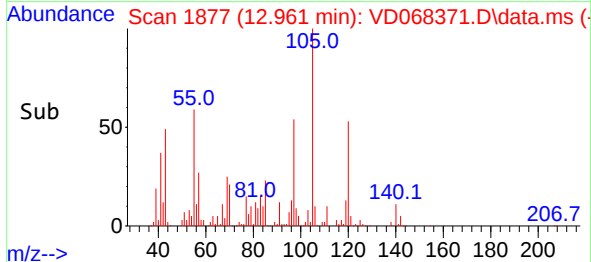
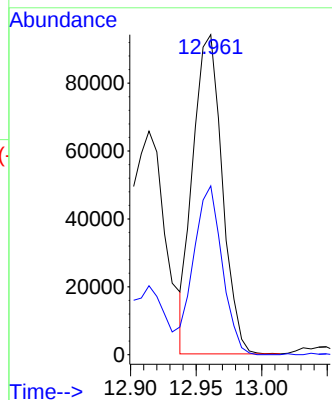
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP



Tgt Ion:105 Resp: 145712
Ion Ratio Lower Upper
105 100
120 52.8 24.2 72.6

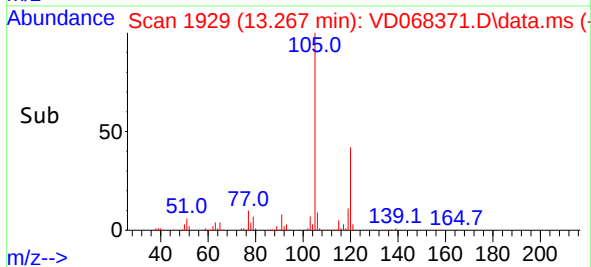
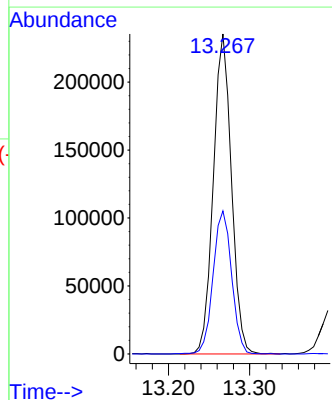
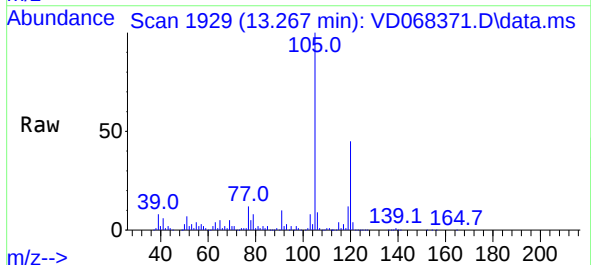
Manual Integrations
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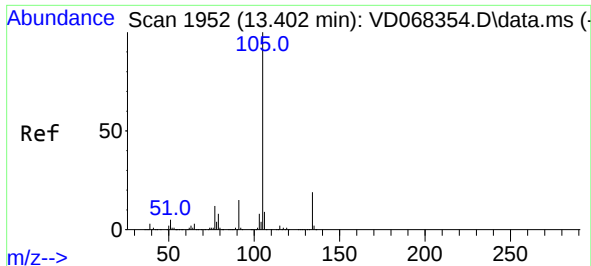
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#84
1,2,4-Trimethylbenzene
Concen: 249.69 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion:105 Resp: 364430
Ion Ratio Lower Upper
105 100
120 45.8 22.4 67.0





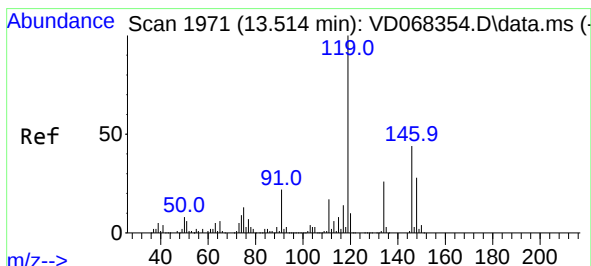
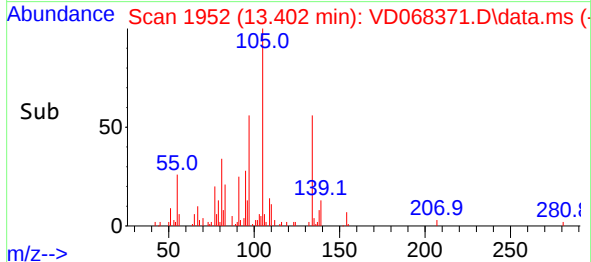
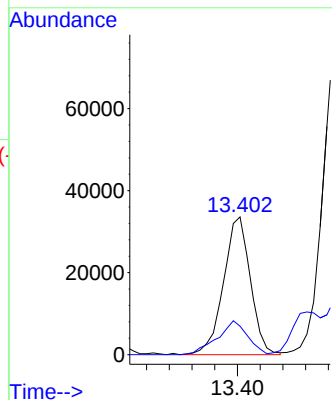
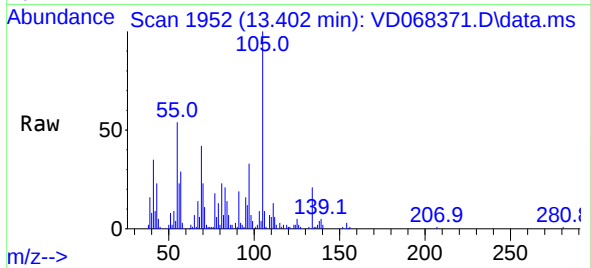
#85
sec-Butylbenzene
Concen: 31.06 ug/l
RT: 13.402 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion:105 Resp: 55206
Ion Ratio Lower Upper
105 100
134 27.7 10.3 30.9

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

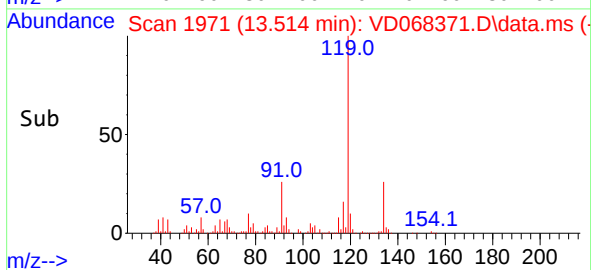
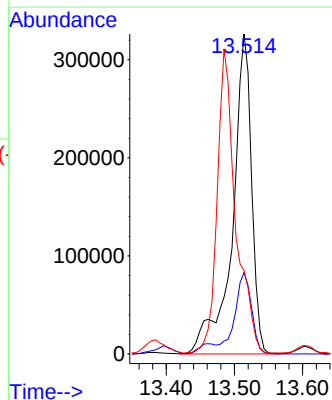
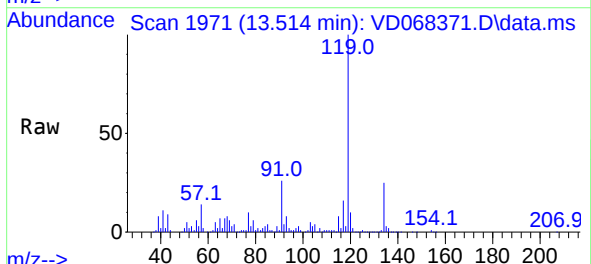
Manual Integrations
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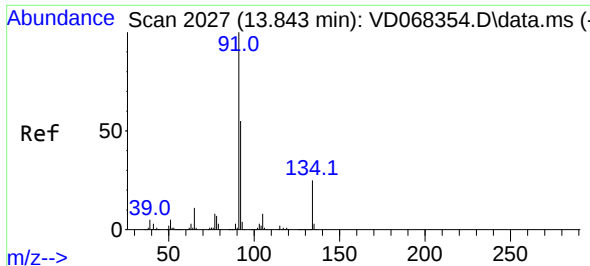
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#86
p-Isopropyltoluene
Concen: 400.45 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion:119 Resp: 639012
Ion Ratio Lower Upper
119 100
134 22.4 12.9 38.7
91 0.0 11.7 35.0#





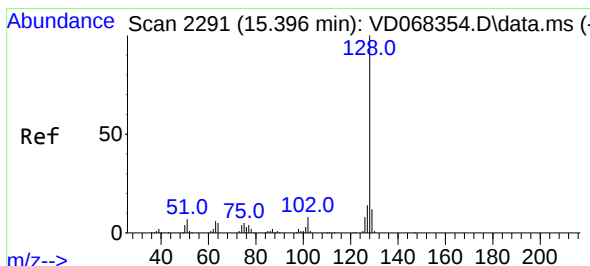
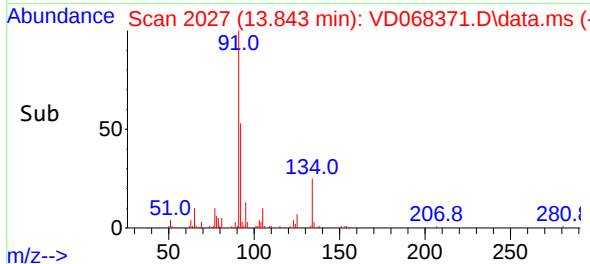
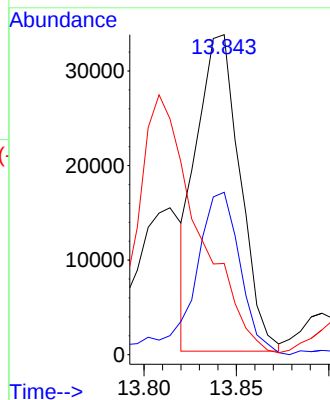
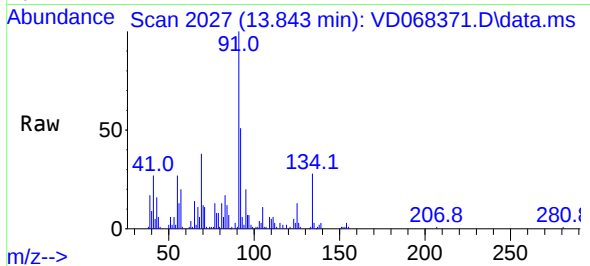
#89
n-Butylbenzene
Concen: 35.28 ug/l m
RT: 13.843 min Scan# 2027
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 91 Resp: 54930
Ion Ratio Lower Upper
91 100
92 38.9 27.2 81.6
134 46.4 13.9 41.7#

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

Manual Integrations
APPROVED

MMDadoda
2/17/2021 12:28:25 PM



#95
Naphthalene
Concen: 26.47 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion:128 Resp: 21652
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.2
129 12.4 8.8 13.2

