

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

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
2) Dichlorodifluoromethane	1.991	85	1640	1.23	ug/l #	56
3) Chloromethane	2.209	50	2187	1.38	ug/l	91
4) Vinyl Chloride	2.356	62	2023	1.07	ug/l #	82
5) Bromomethane	2.779	94	1738	1.28	ug/l #	53
6) Chloroethane	2.926	64	1441	1.16	ug/l	91
7) Trichlorofluoromethane	3.285	101	3385	1.45	ug/l #	69
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
18) Methyl Acetate	4.720	43	765	1.22	ug/l #	56
20) Methylene Chloride	4.967	84	6595	1.18	ug/l #	87
24) 1,1-Dichloroethane	6.267	63	3232	1.19	ug/l #	81
25) 2-Butanone	7.214	43	6917	21.61	ug/l	95
26) 2,2-Dichloropropane	7.208	77	2696	1.16	ug/l #	70
29) Tetrahydrofuran	7.556	42	1164	5.62	ug/l #	48
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
41) Methacrylonitrile	7.561	41	2018	3.42	ug/l #	35
43) Isopropyl Acetate	8.450	43	10748	5.48	ug/l #	46
48) Methyl methacrylate	9.408	41	3107	3.18	ug/l #	25
49) 1,4-Dioxane	9.461	88	91	6.81	ug/l #	30
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
55) 1,1,2-Trichloroethane	10.773	97	10233	6.47	ug/l #	21
56) Ethyl methacrylate	10.673	69	3030	1.62	ug/l #	1
59) 2-Hexanone	10.844	43	204215	300.01	ug/l	72
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
70) Styrene	12.196	104	28134	9.11	ug/l #	39
73) Isopropylbenzene	12.485	105	78533	43.80	ug/l	85

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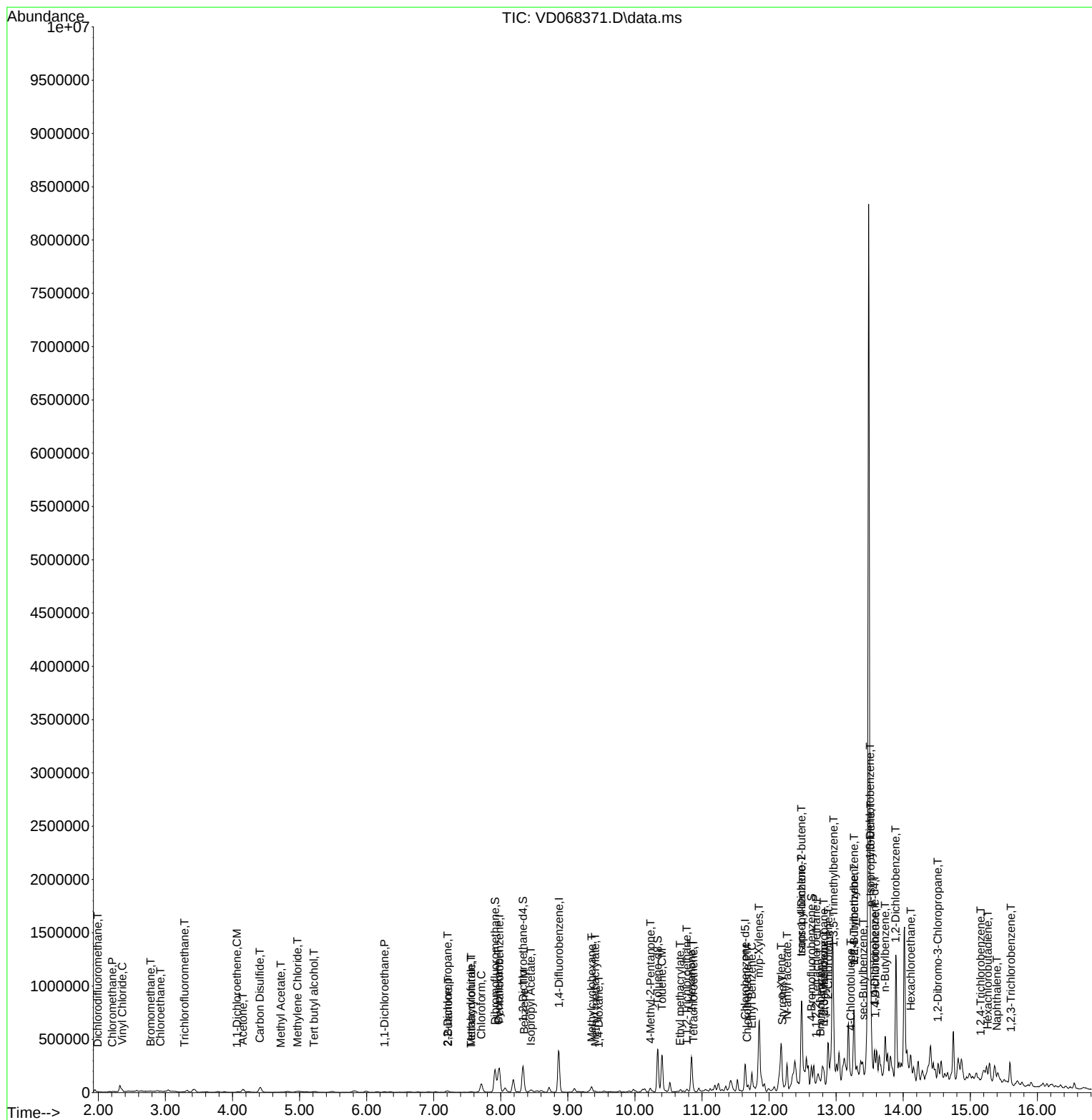
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	12.267	43	48006	151.65	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.702	83	3357	10.81	ug/l #	30
76) 1,2,3-Trichloropropane	12.814	75	773	3.31	ug/l #	100
77) Bromobenzene	12.767	156	1309	3.27	ug/l #	21
78) n-propylbenzene	12.820	91	102161	47.60	ug/l	97
79) 2-Chlorotoluene	12.885	91	28035	23.59	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.961	105	145712	99.46	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.485	75	1494	16.03	ug/l #	1
82) 4-Chlorotoluene	13.220	91	3798	3.02	ug/l	99
83) tert-Butylbenzene	13.267	119	46546	36.63	ug/l #	54
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
87) 1,3-Dichlorobenzene	13.508	146	2492	3.22	ug/l #	1
88) 1,4-Dichlorobenzene	13.585	146	2195	2.85	ug/l #	1
89) n-Butylbenzene	13.732	91	61799	39.69	ug/l	73
90) Hexachloroethane	14.114	117	9246	31.91	ug/l #	17
91) 1,2-Dichlorobenzene	13.885	146	1560	2.32	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.514	75	536	11.80	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.155	180	1622	3.69	ug/l #	1
94) Hexachlorobutadiene	15.261	225	910	3.76	ug/l	83
95) Naphthalene	15.396	128	21652	26.47	ug/l	96
96) 1,2,3-Trichlorobenzene	15.608	180	1905	4.96	ug/l #	1

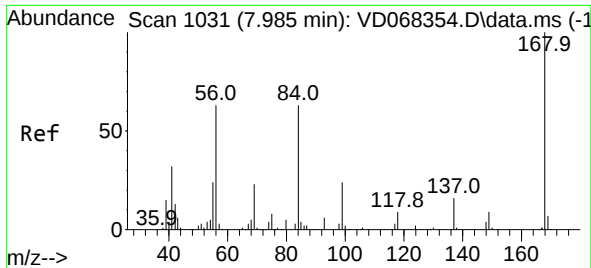
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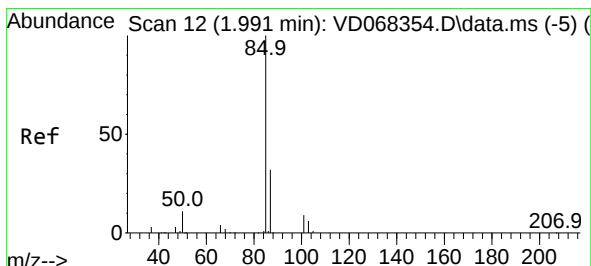
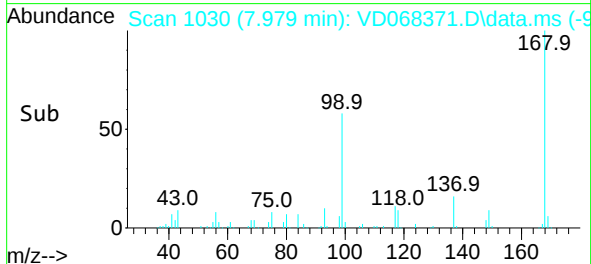
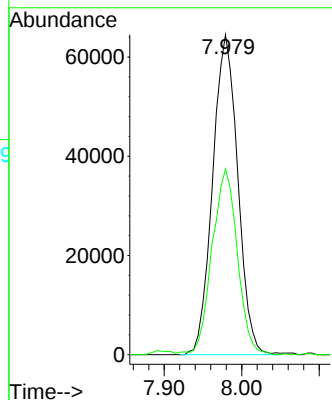
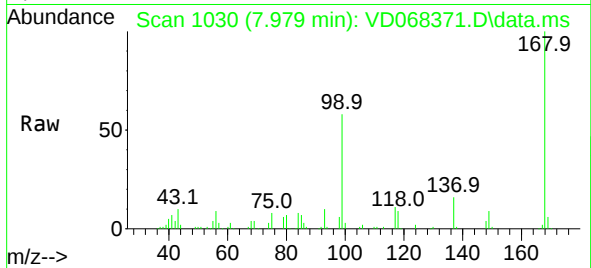




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

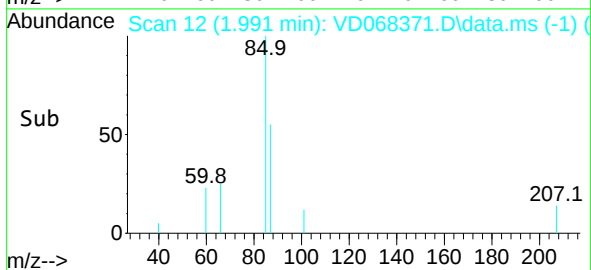
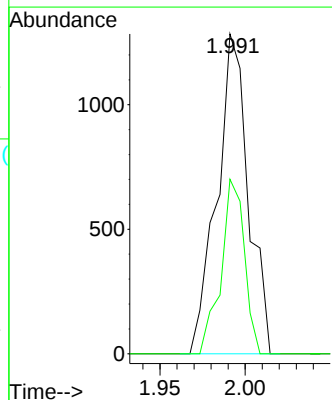
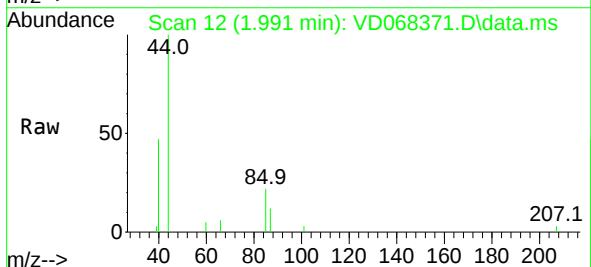
Instrument :
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ClientSampleId :
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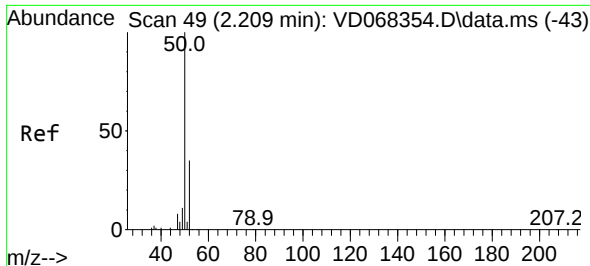
Tgt Ion:168 Resp: 145157
Ion Ratio Lower Upper
168 100
99 58.0 43.5 65.3



#2
Dichlorodifluoromethane
Concen: 1.23 ug/l
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 85 Resp: 1640
Ion Ratio Lower Upper
85 100
87 54.6 15.4 46.1#

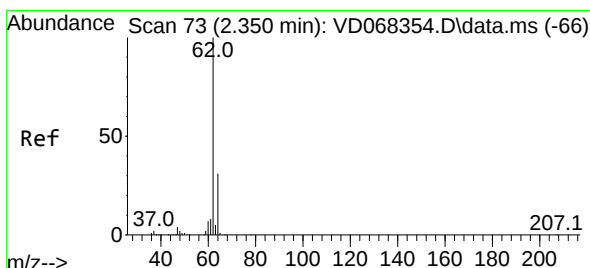
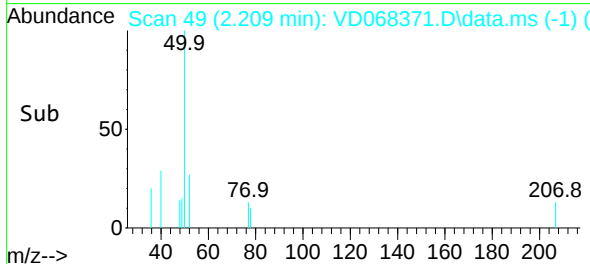
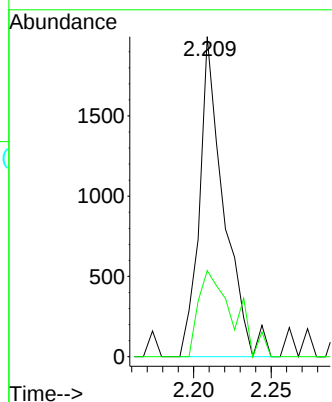
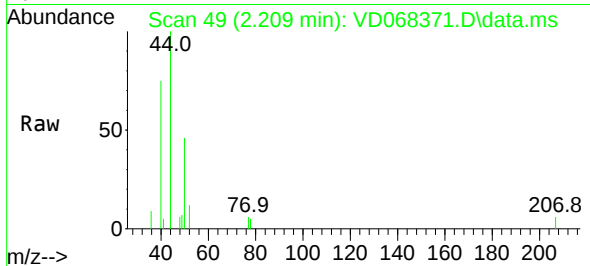




#3
Chloromethane
Concen: 1.38 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

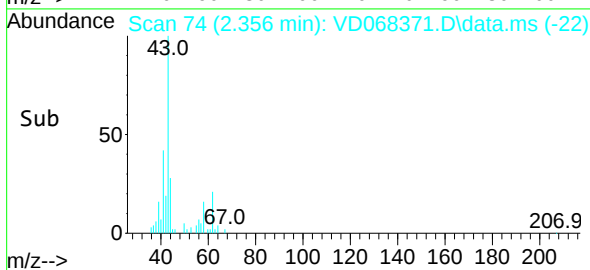
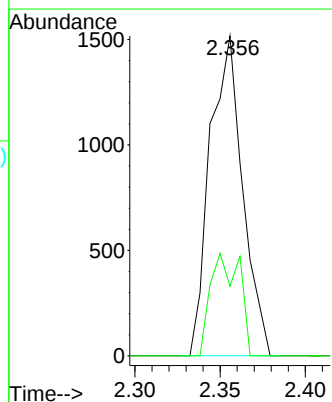
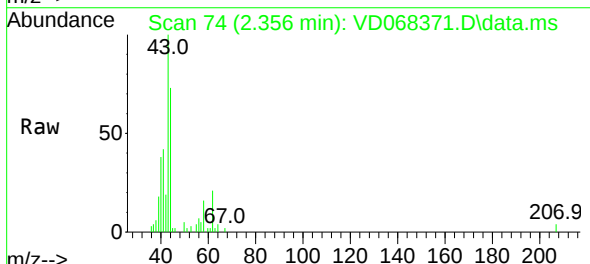
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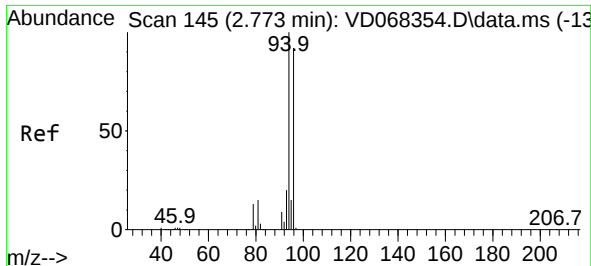
Tgt Ion: 50 Resp: 2187
Ion Ratio Lower Upper
50 100
52 26.9 25.4 38.2



#4
Vinyl Chloride
Concen: 1.07 ug/l
RT: 2.356 min Scan# 74
Delta R.T. 0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 62 Resp: 2023
Ion Ratio Lower Upper
62 100
64 21.8 25.4 38.2#

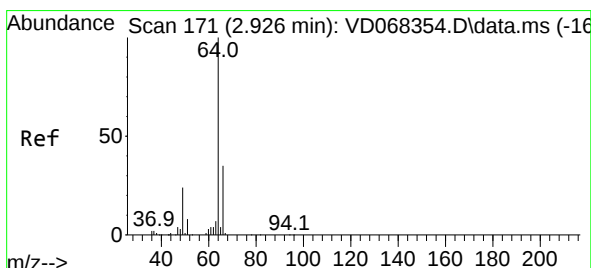
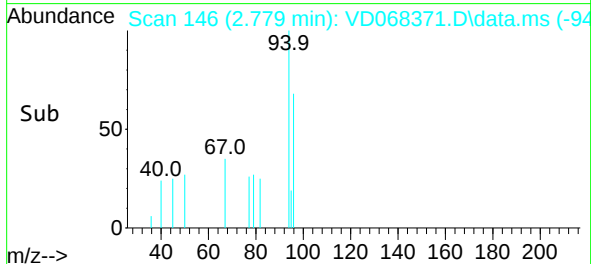
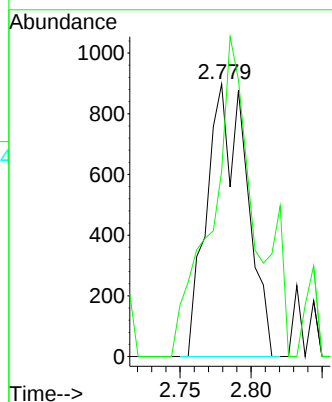
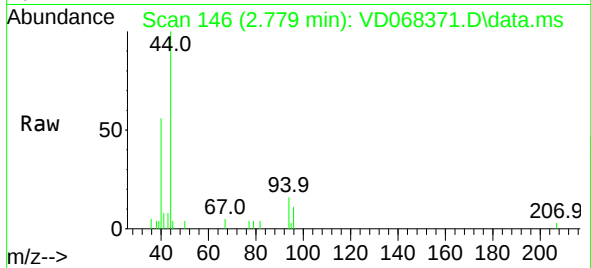




#5
Bromomethane
Concen: 1.28 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

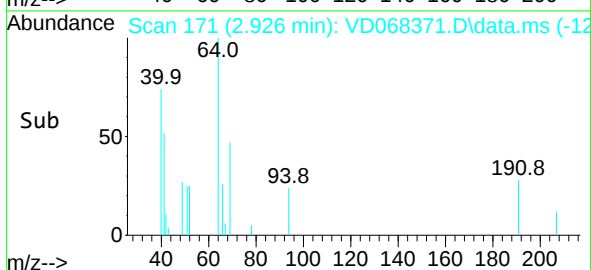
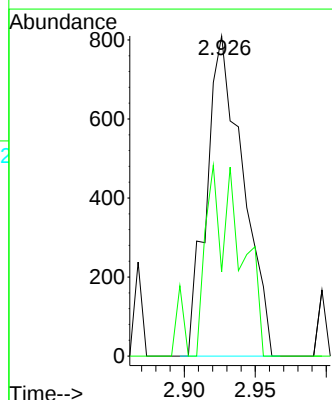
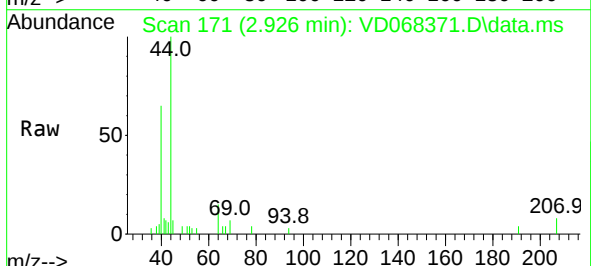
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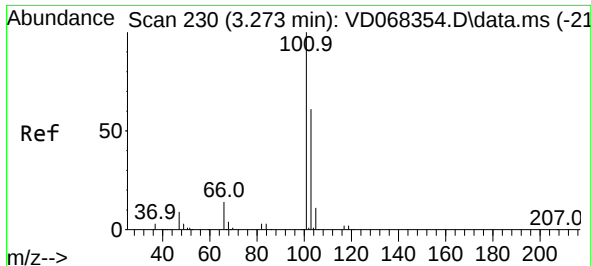
Tgt Ion: 94 Resp: 1738
Ion Ratio Lower Upper
94 100
96 49.3 75.8 113.8#



#6
Chloroethane
Concen: 1.16 ug/l
RT: 2.926 min Scan# 171
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 64 Resp: 1441
Ion Ratio Lower Upper
64 100
66 26.3 25.1 37.7

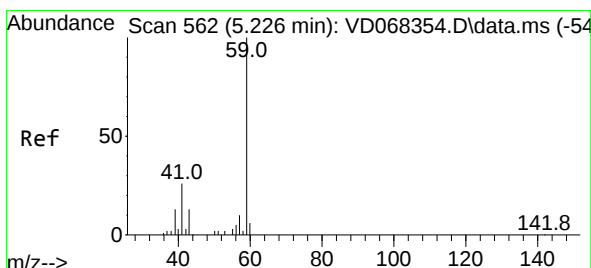
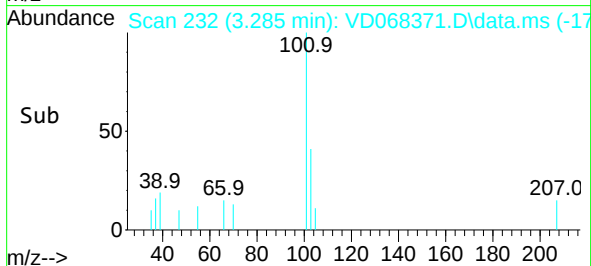
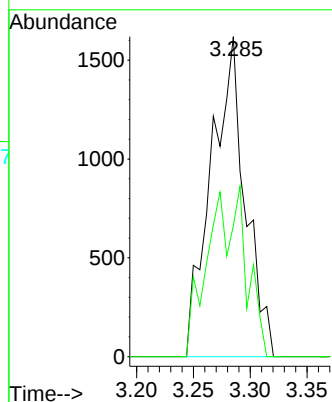
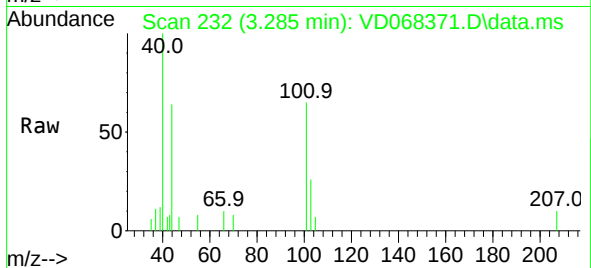




#7
Trichlorofluoromethane
Concen: 1.45 ug/l
RT: 3.285 min Scan# 232
Delta R.T. 0.012 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

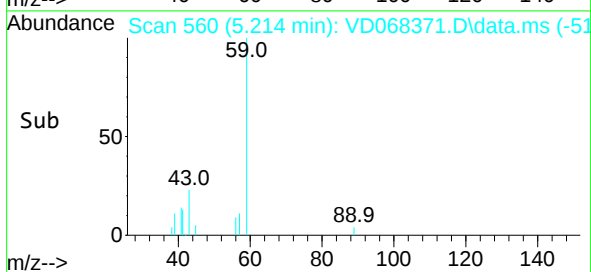
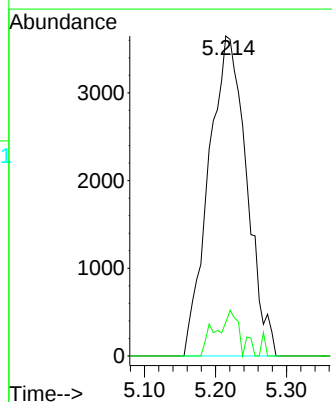
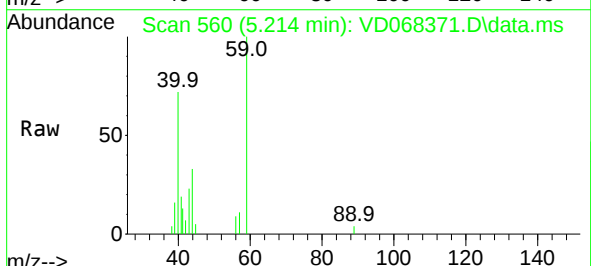
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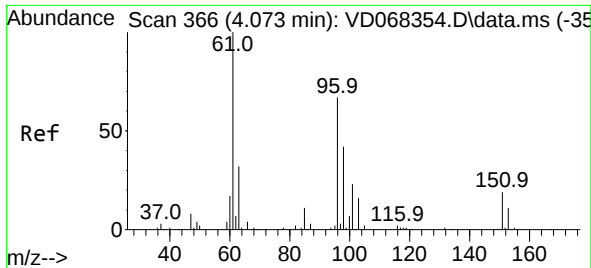
Tgt Ion:101 Resp: 3385
Ion Ratio Lower Upper
101 100
103 40.9 52.0 78.0#



#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#

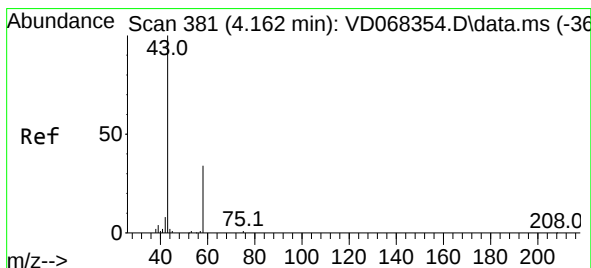
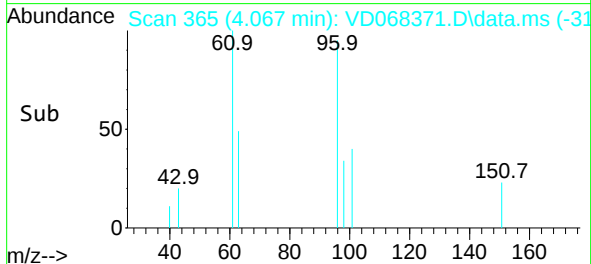
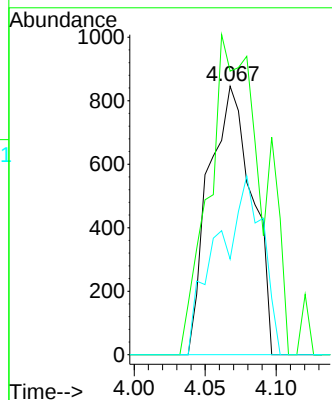
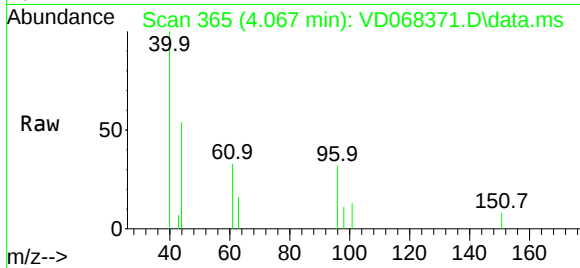




#12
1,1-Dichloroethene
Concen: 1.31 ug/l
RT: 4.067 min Scan# 365
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

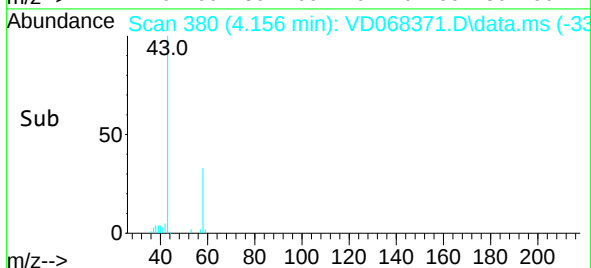
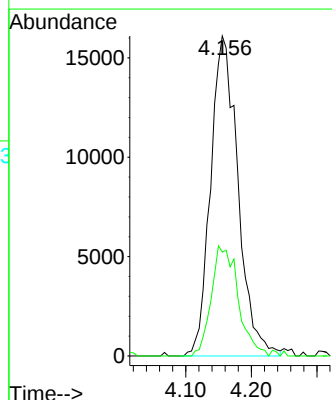
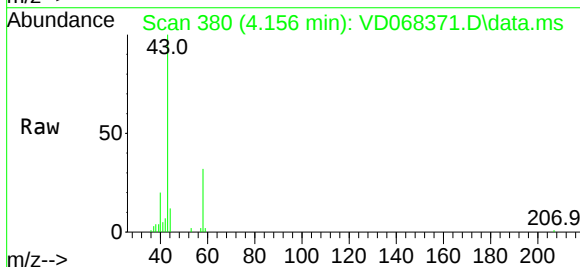
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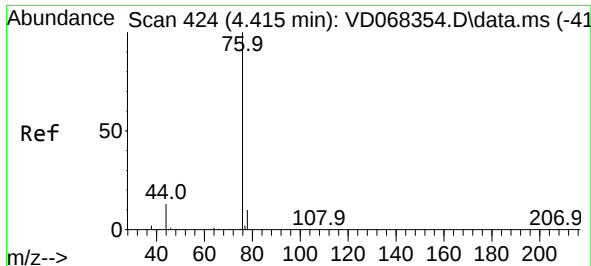
Tgt Ion: 96 Resp: 1803
Ion Ratio Lower Upper
96 100
61 105.6 116.2 174.4#
98 35.6 48.6 73.0#



#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

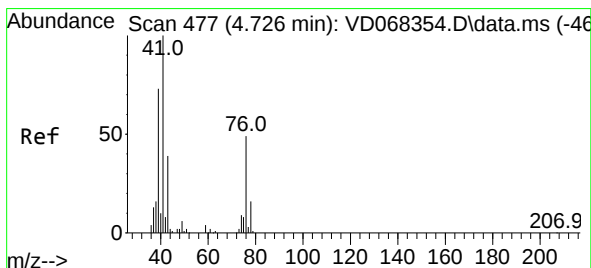
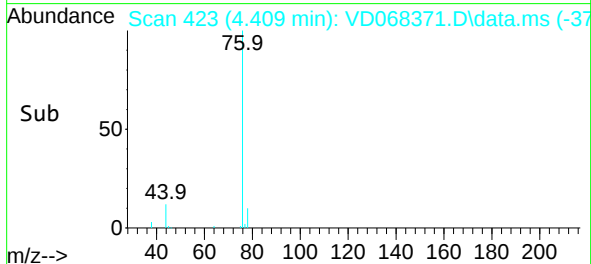
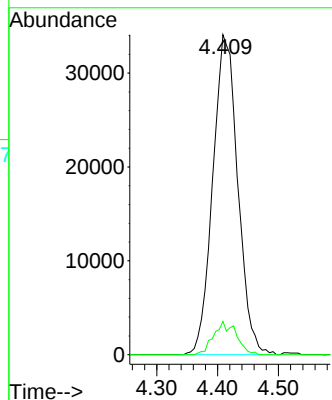
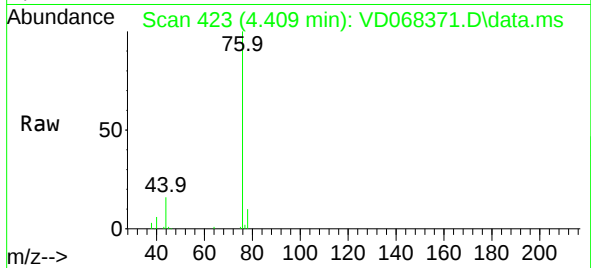




#17
Carbon Disulfide
Concen: 24.31 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

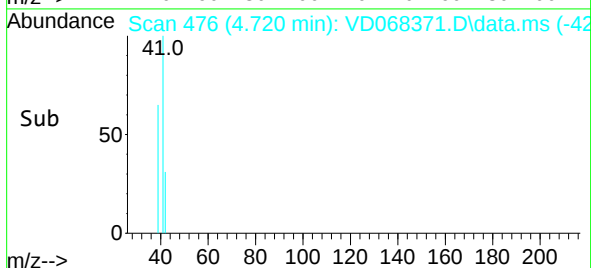
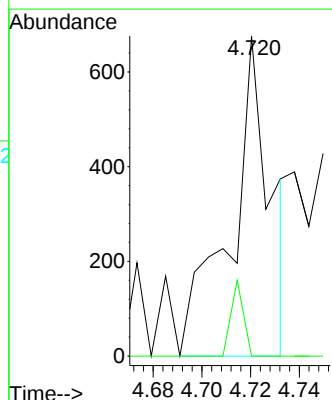
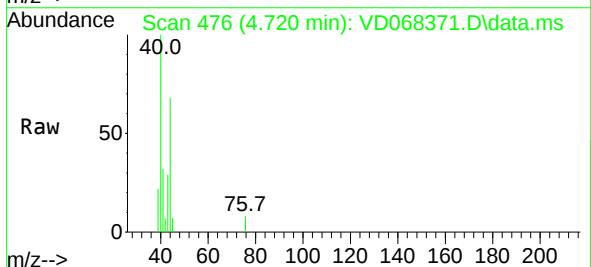
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

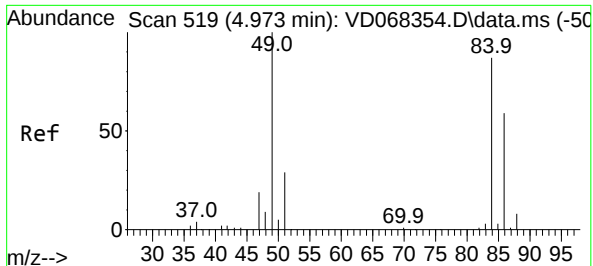
Tgt Ion: 76 Resp: 97204
Ion Ratio Lower Upper
76 100
78 10.4 7.3 10.9



#18
Methyl Acetate
Concen: 1.22 ug/l
RT: 4.720 min Scan# 476
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
74 7.3 25.4 38.0#



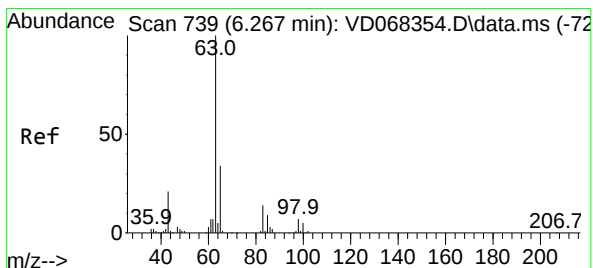
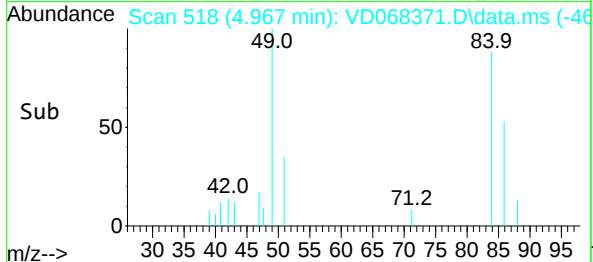
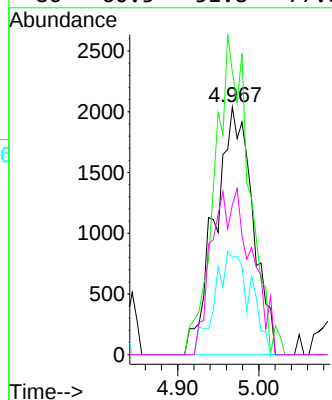
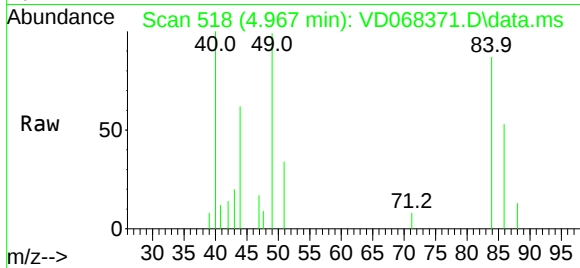


#20
Methylene Chloride
Concen: 1.18 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

Tgt Ion: 84 Resp: 6595

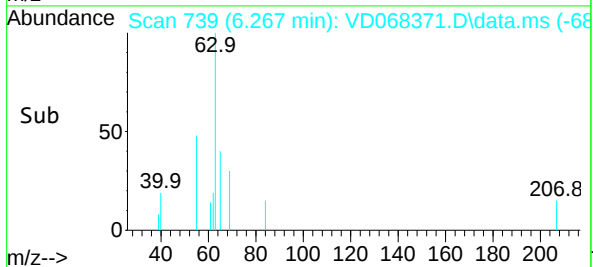
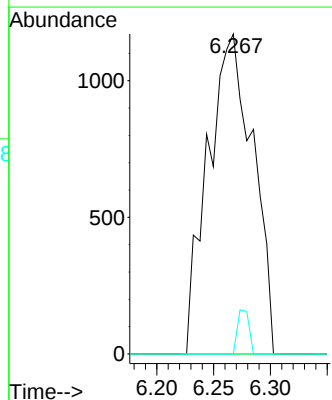
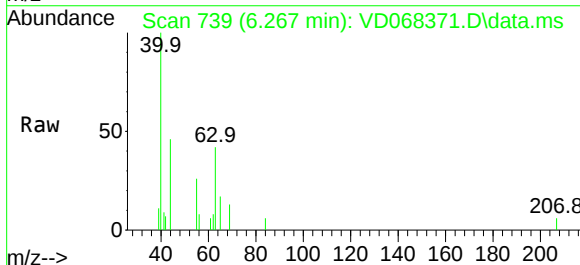
Ion	Ratio	Lower	Upper
84	100		
49	113.9	77.4	116.2
51	39.3	26.1	39.1#
86	60.5	51.8	77.8

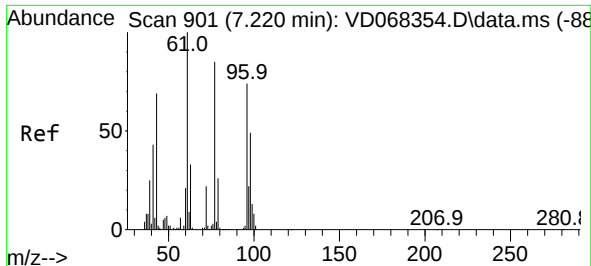


#24
1,1-Dichloroethane
Concen: 1.19 ug/l
RT: 6.267 min Scan# 739
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 63 Resp: 3232

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.4#
100	0.0	2.6	8.0#

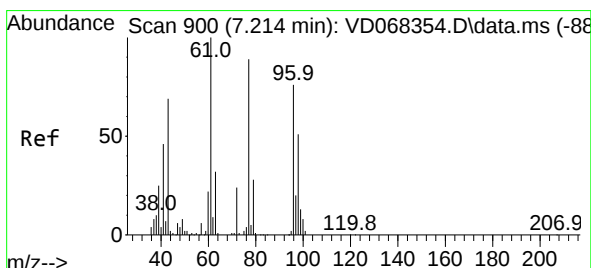
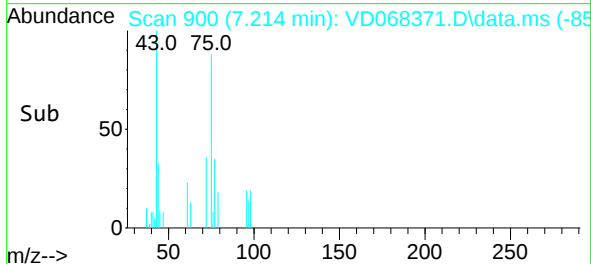
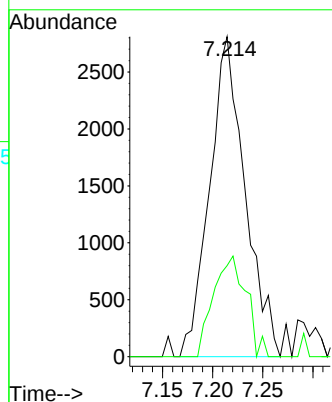
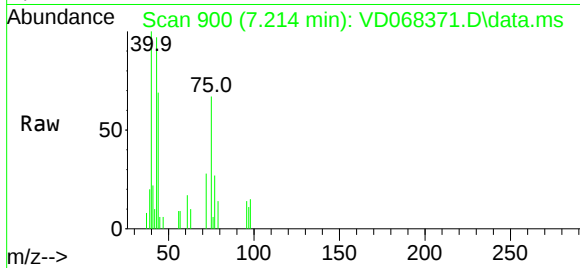




#25
2-Butanone
Concen: 21.61 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

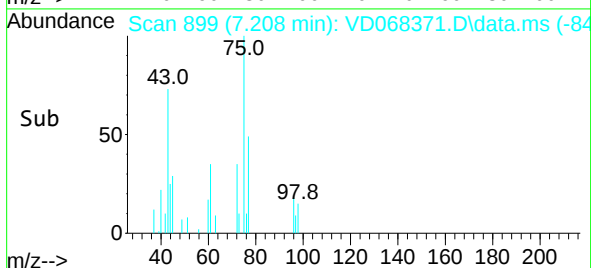
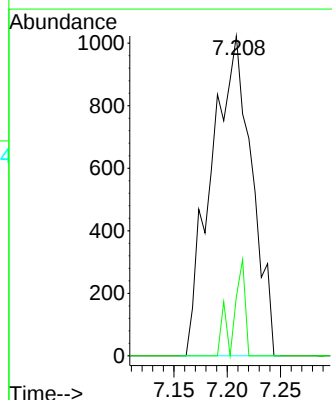
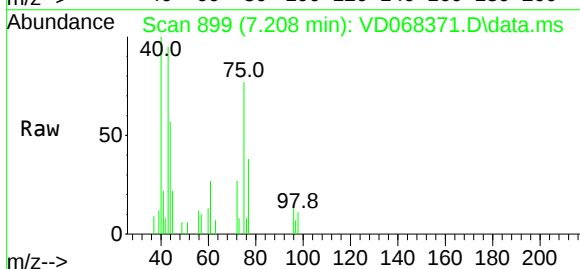
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

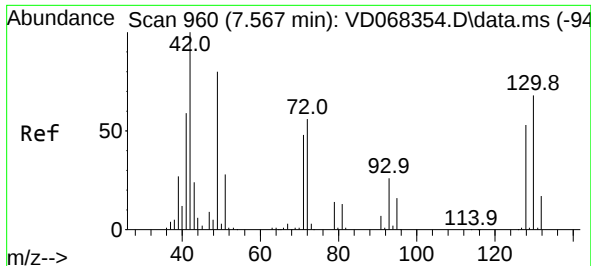
Tgt Ion: 43 Resp: 6917
Ion Ratio Lower Upper
43 100
72 28.5 25.1 37.7



#26
2,2-Dichloropropane
Concen: 1.16 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 77 Resp: 2696
Ion Ratio Lower Upper
77 100
97 8.8 11.7 35.1#





#29

Tetrahydrofuran

Concen: 5.62 ug/l

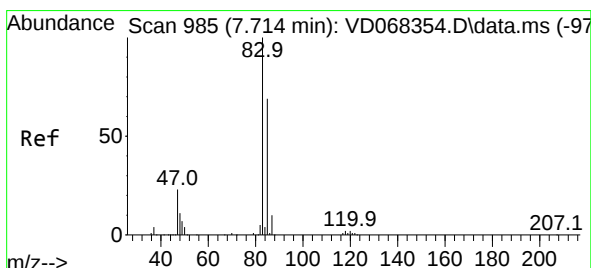
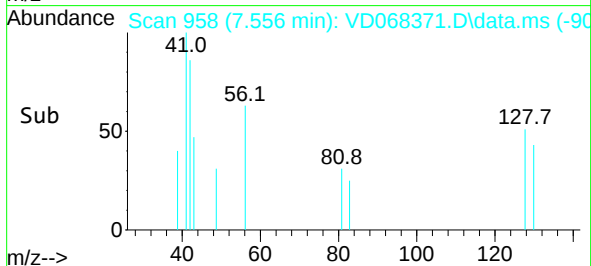
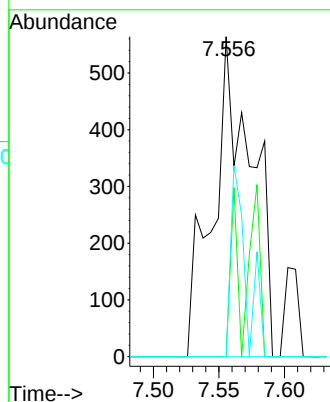
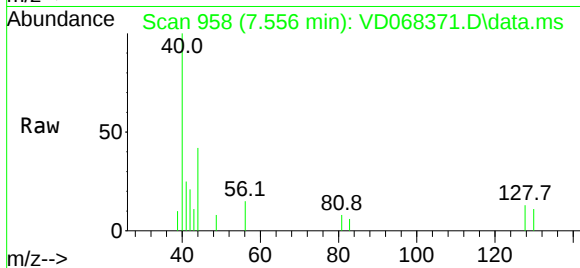
RT: 7.556 min Scan# 958

Delta R.T. -0.012 min

Lab File: VD068371.D

Acq: 16 Feb 2021 15:41

Tgt Ion:	42	Resp:	1164
Ion	Ratio	Lower	Upper
42	100		
72	9.0	43.4	65.0#
71	23.4	40.8	61.2#



#30

Chloroform

Concen: 25.11 ug/l

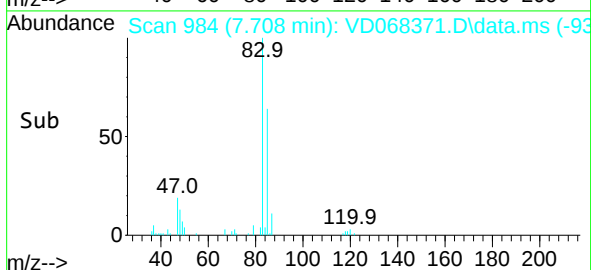
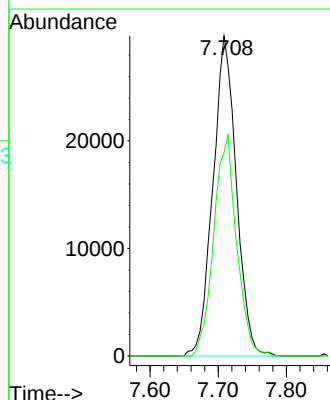
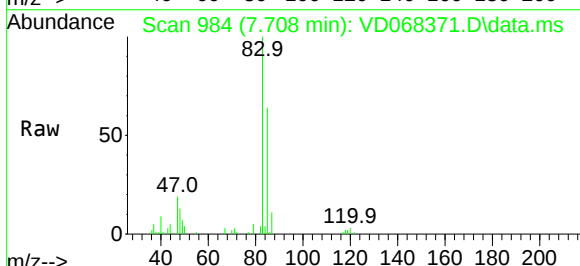
RT: 7.708 min Scan# 984

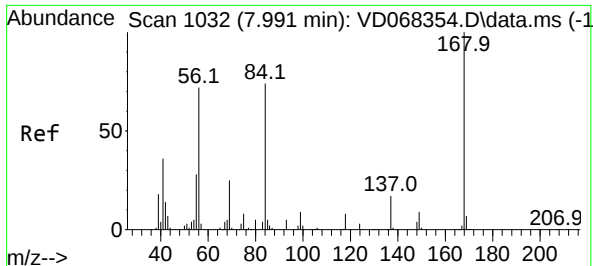
Delta R.T. -0.006 min

Lab File: VD068371.D

Acq: 16 Feb 2021 15:41

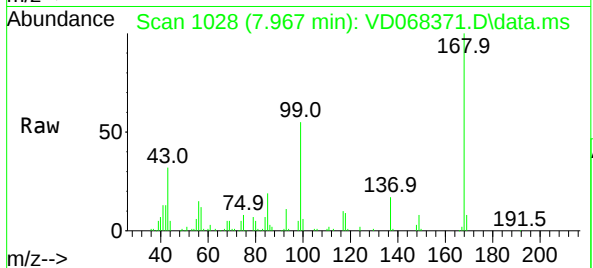
Tgt Ion:	83	Resp:	70977
Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.4	80.0



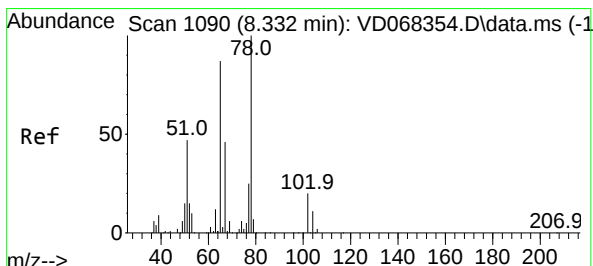
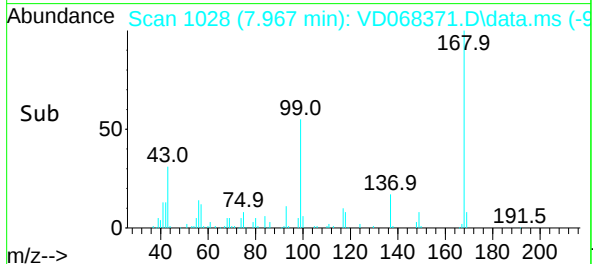
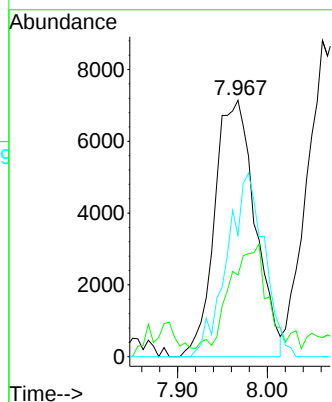


#31
Cyclohexane
Concen: 8.58 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.024 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

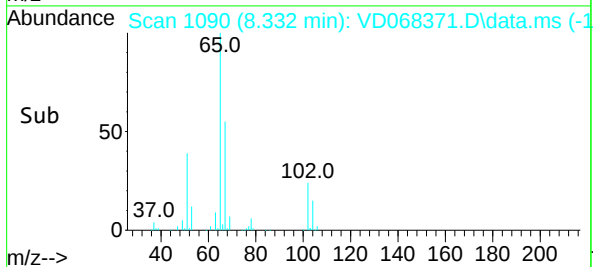
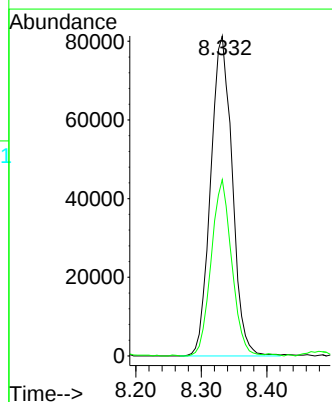
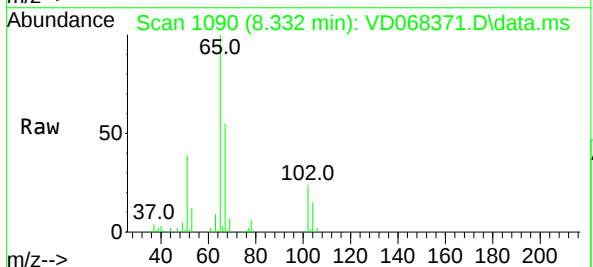


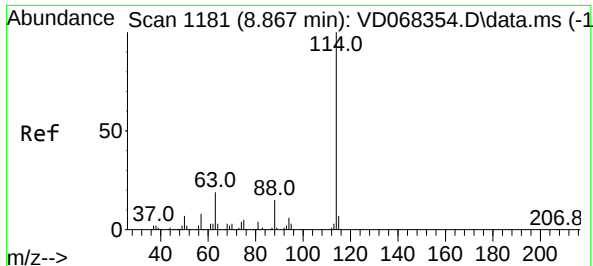
Tgt Ion: 56 Resp: 22368
Ion Ratio Lower Upper
56 100
69 27.7 30.1 45.1#
84 47.3 82.1 123.1#



#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

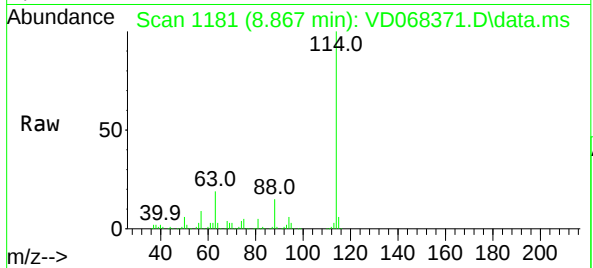
Tgt Ion: 65 Resp: 185957
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.0



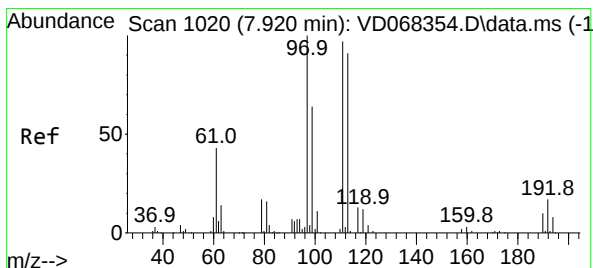
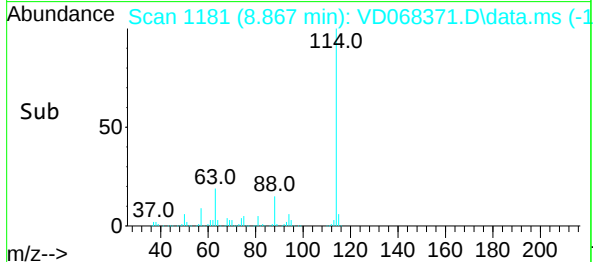
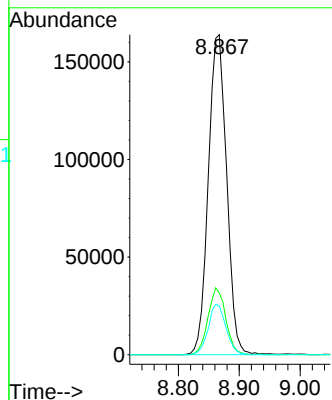


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

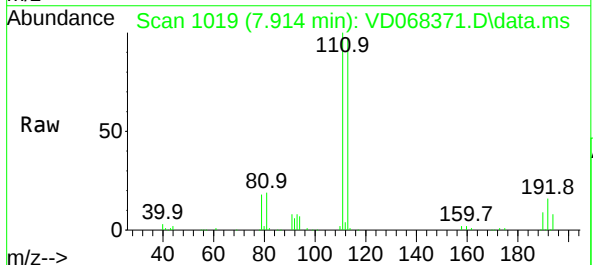
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP



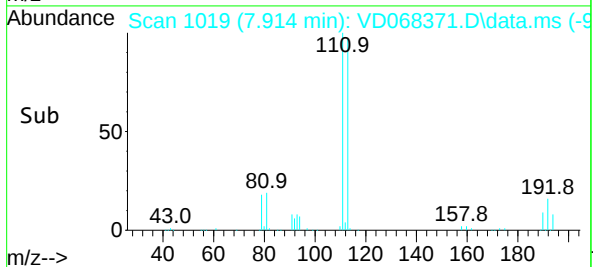
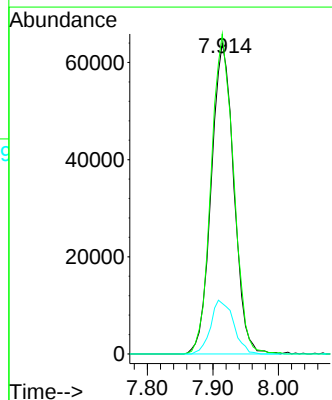
Tgt Ion:	114	Resp:	342494
Ion Ratio	Lower	Upper	
114	100		
63	19.4	0.0	34.8
88	15.3	0.0	31.6

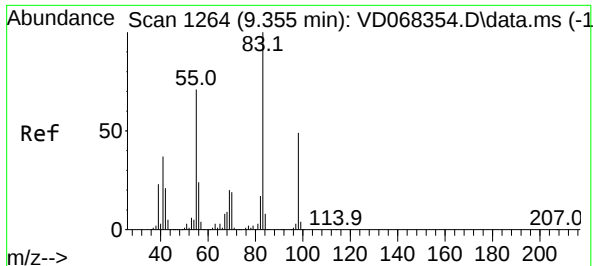


#35
Dibromofluoromethane
Concen: 74.95 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41



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





#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

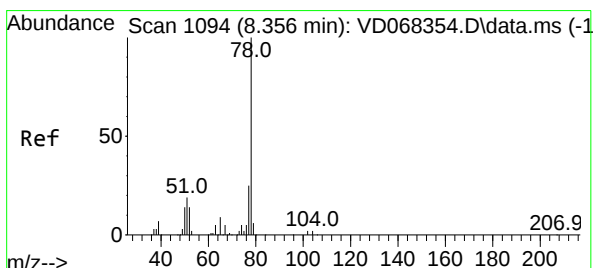
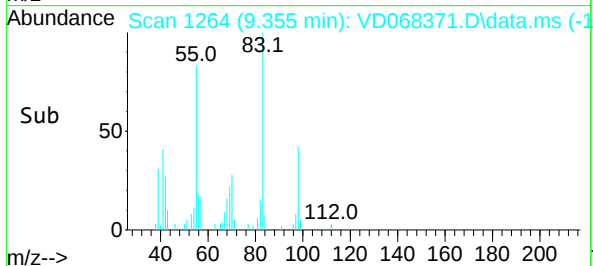
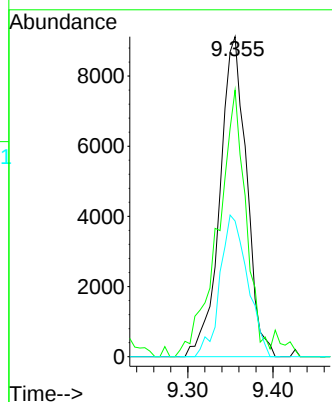
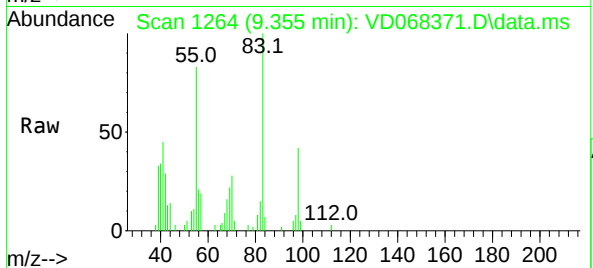
Instrument :

MSVOA_D

ClientSampleId :

SLUDGE-COMP

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

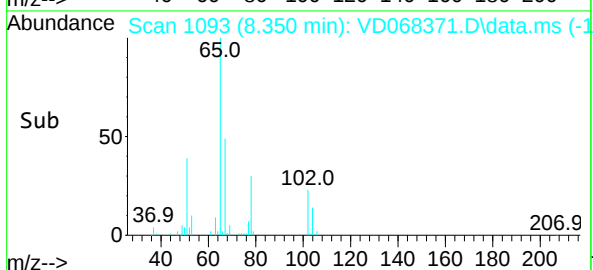
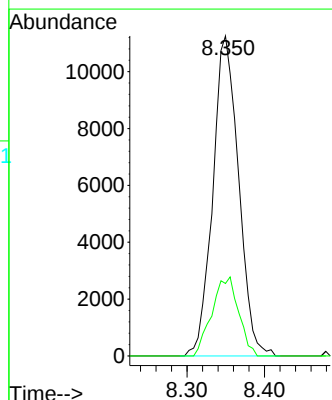
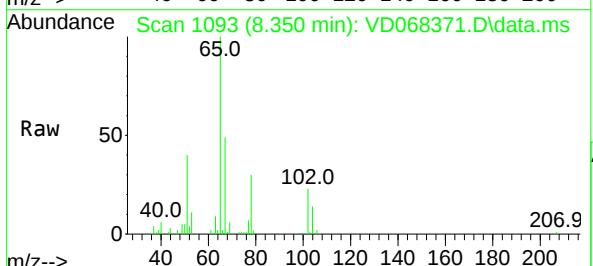
RT: 8.350 min Scan# 1093

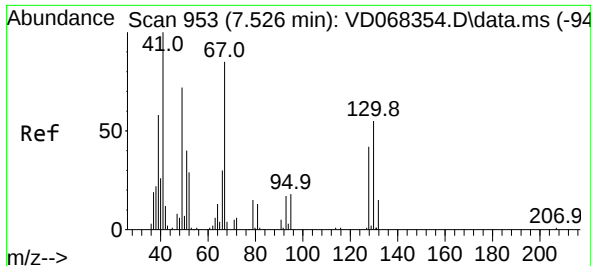
Delta R.T. -0.006 min

Lab File: VD068371.D

Acq: 16 Feb 2021 15:41

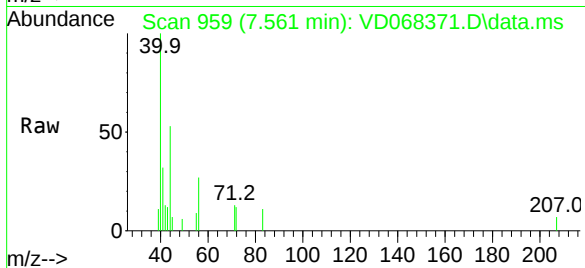
Tgt Ion:	78	Resp:	26002
Ion	Ratio	Lower	Upper
78	100		
77	22.6	17.8	26.6



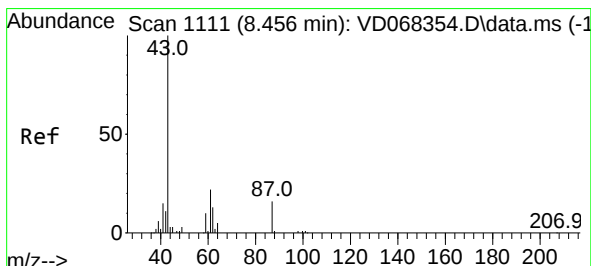
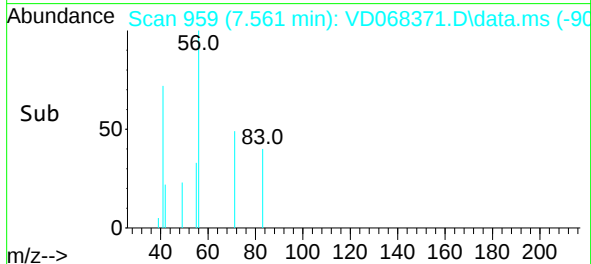
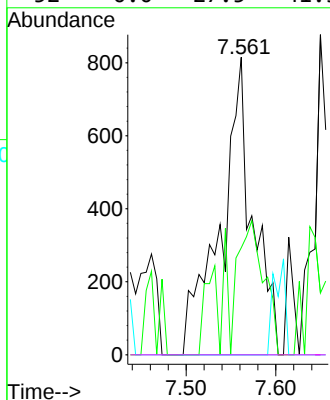


#41
Methacrylonitrile
Concen: 3.42 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.035 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

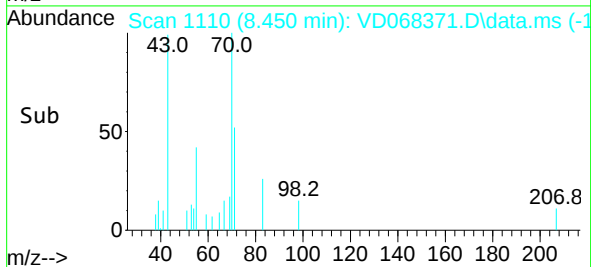
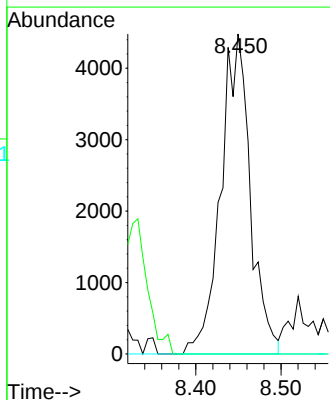
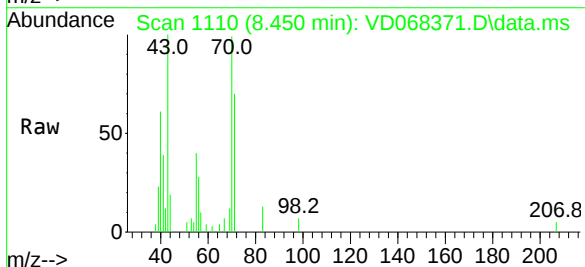


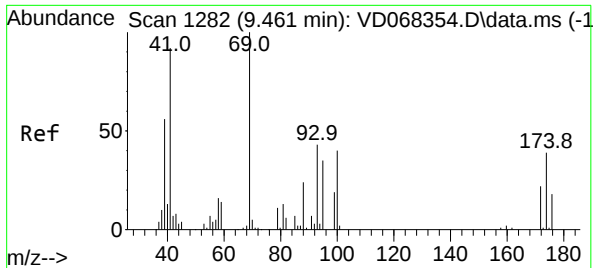
Tgt Ion:	41	Resp:	2018
Ion	Ratio	Lower	Upper
41	100		
39	36.6	45.2	67.8#
67	0.0	67.4	101.2#
52	0.0	27.5	41.3#



#43
Isopropyl Acetate
Concen: 5.48 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion:	43	Resp:	10748
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.7	43.1#
87	0.0	13.9	20.9#

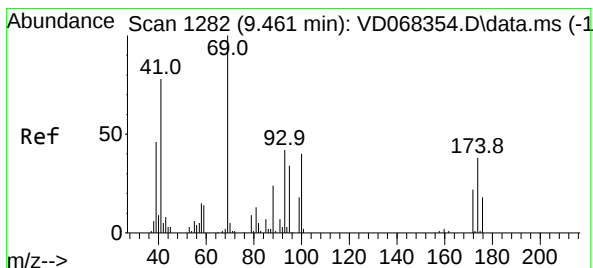
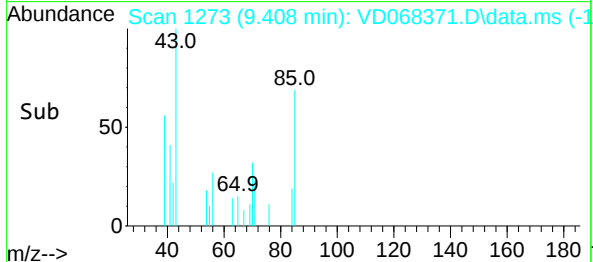
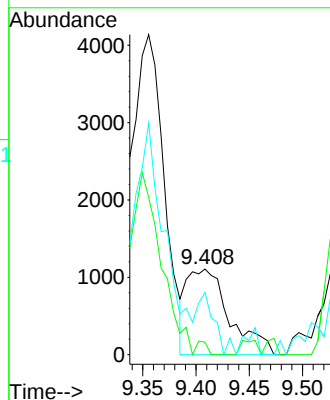
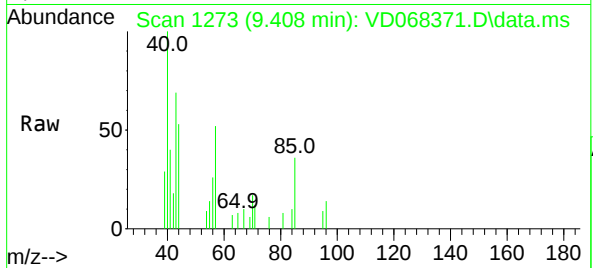




#48
Methyl methacrylate
Concen: 3.18 ug/l
RT: 9.408 min Scan# 1273
Delta R.T. -0.053 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

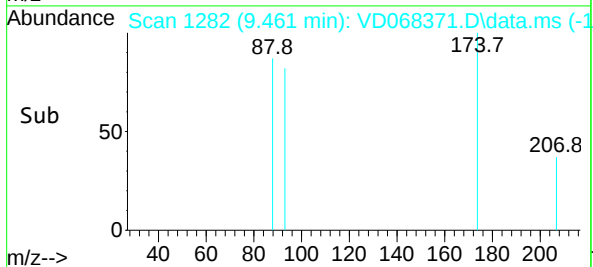
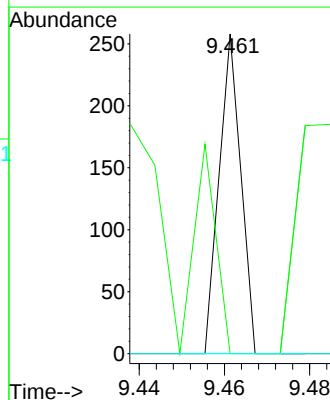
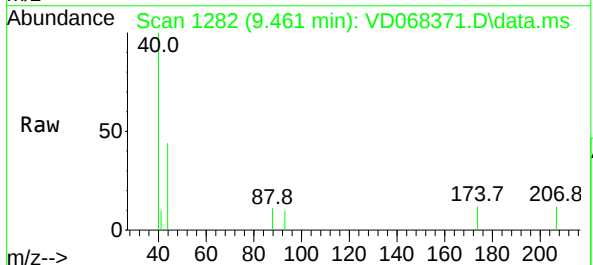
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

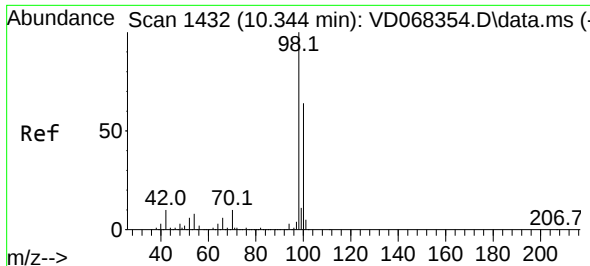
Tgt Ion: 41 Resp: 3107
Ion Ratio Lower Upper
41 100
69 0.0 77.1 115.7#
39 29.3 41.5 62.3#



#49
1,4-Dioxane
Concen: 6.81 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 0.0 22.1 33.1#
58 0.0 46.7 70.1#

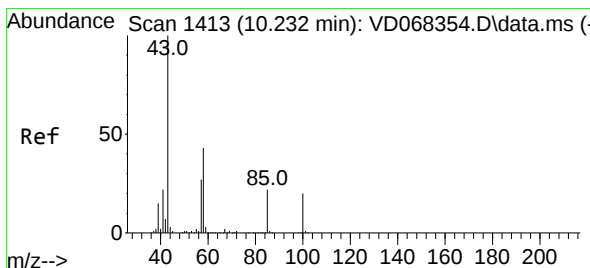
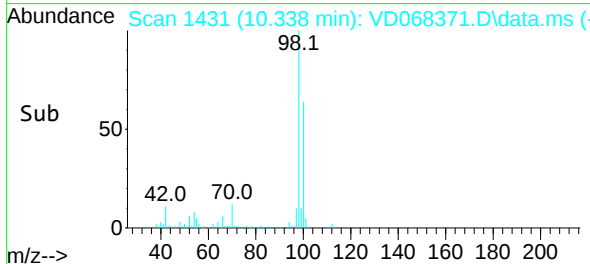
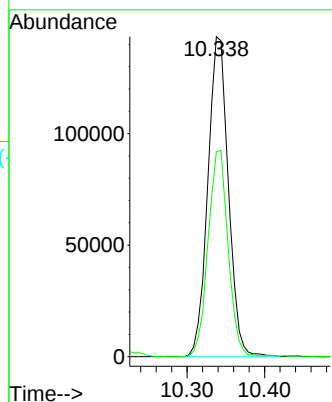
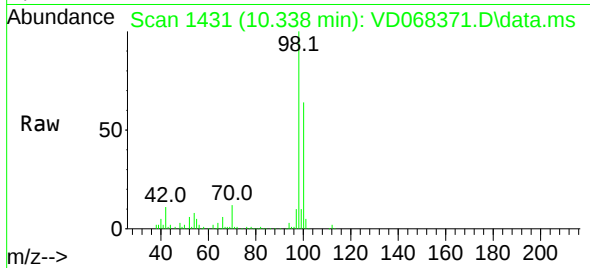




#50
Toluene-d8
Concen: 31.30 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

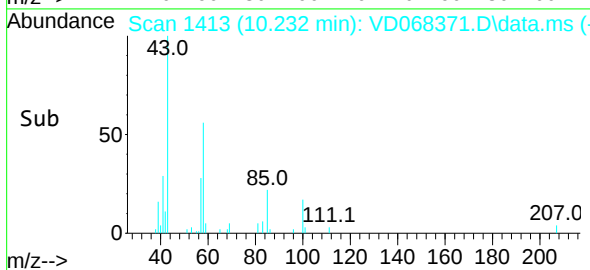
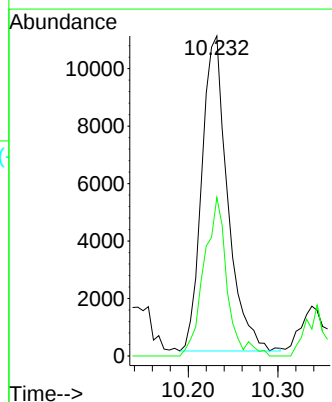
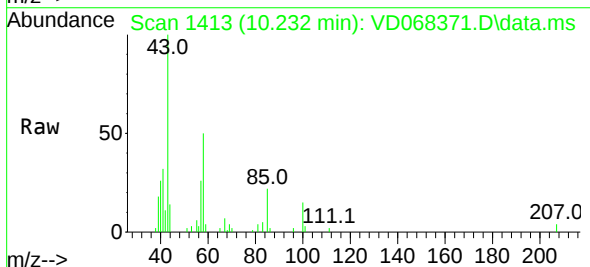
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

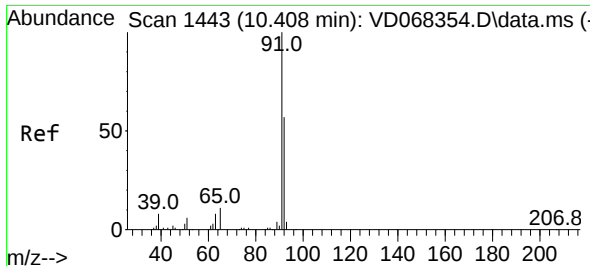
Tgt Ion: 98 Resp: 263760
Ion Ratio Lower Upper
98 100
100 62.9 53.0 79.4



#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

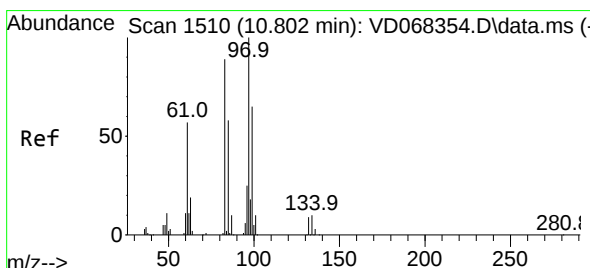
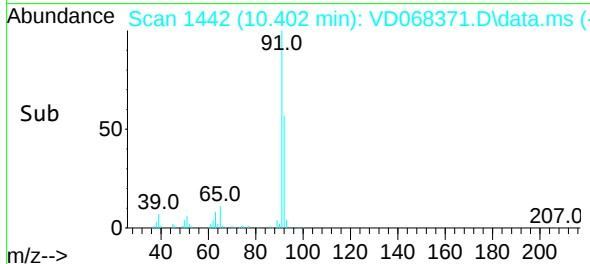
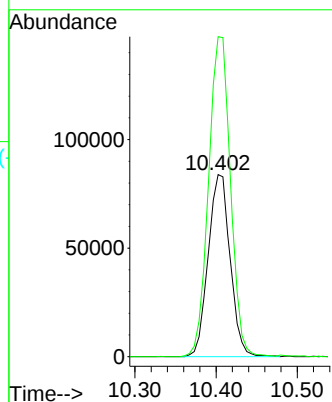
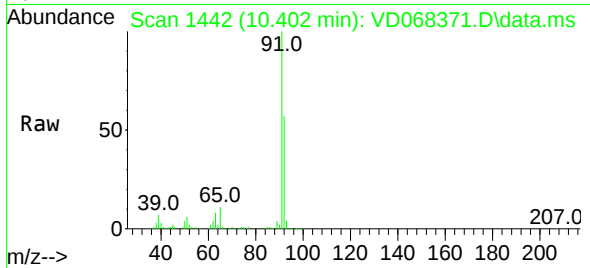




#52
Toluene
Concen: 28.30 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

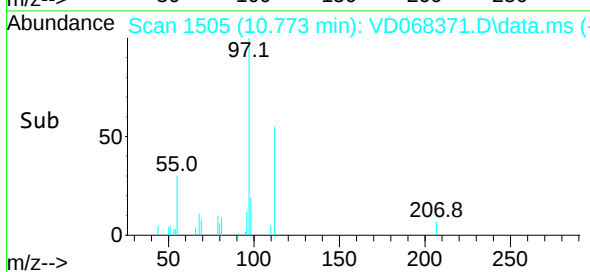
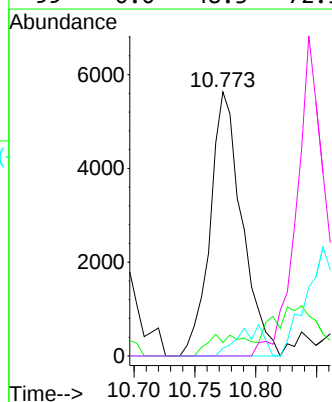
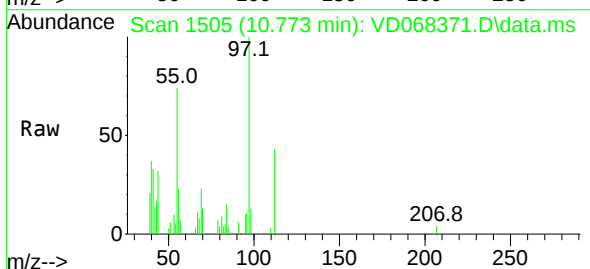
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

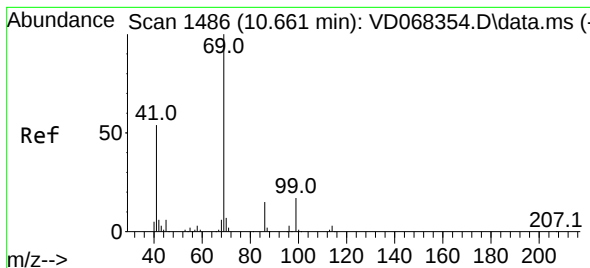
Tgt Ion: 92 Resp: 157276
Ion Ratio Lower Upper
92 100
91 175.8 134.1 201.1



#55
1,1,2-Trichloroethane
Concen: 6.47 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.029 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 97 Resp: 10233
Ion Ratio Lower Upper
97 100
83 5.1 61.8 92.6#
85 2.9 42.2 63.2#
99 0.0 48.3 72.5#

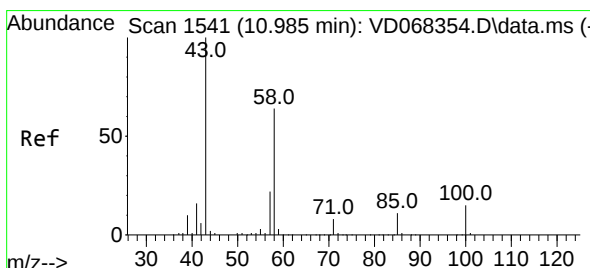
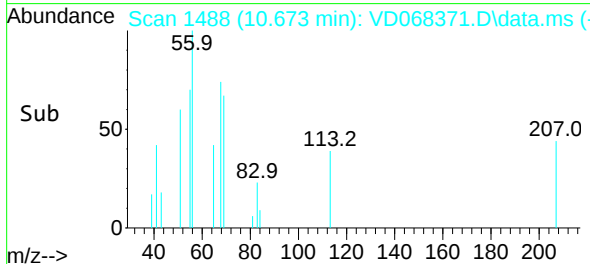
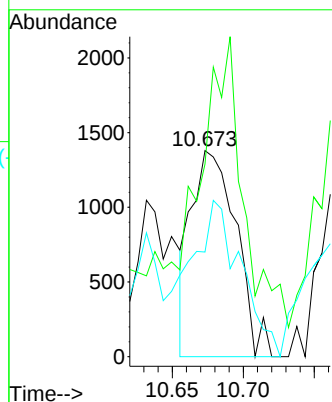
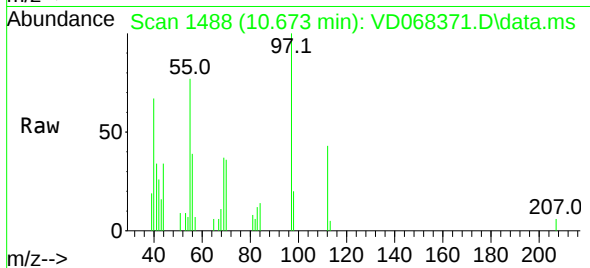




#56
Ethyl methacrylate
Concen: 1.62 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.012 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

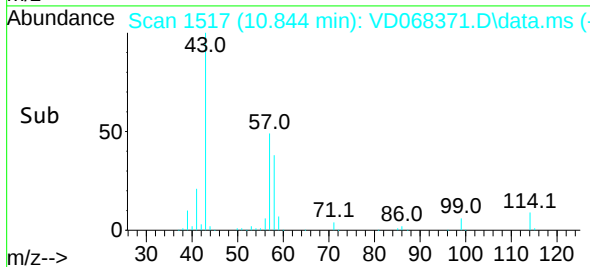
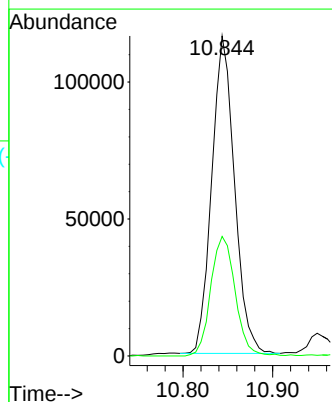
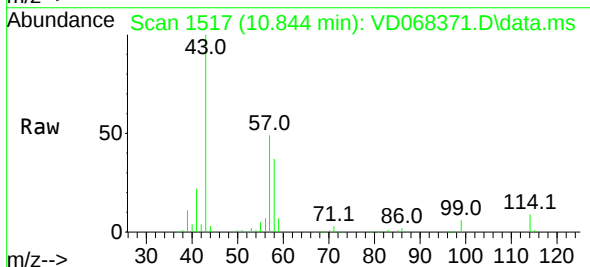
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

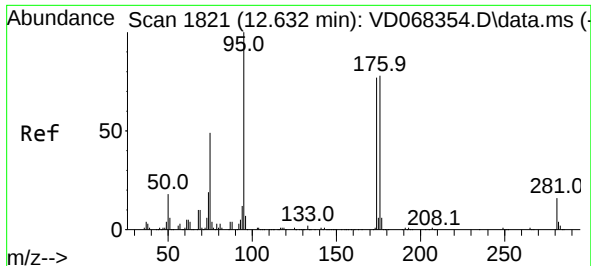
Tgt Ion: 69 Resp: 3030
Ion Ratio Lower Upper
69 100
41 137.4 44.9 67.3#
39 82.9 21.9 32.9#



#59
2-Hexanone
Concen: 300.01 ug/l
RT: 10.844 min Scan# 1517
Delta R.T. -0.141 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 43 Resp: 204215
Ion Ratio Lower Upper
43 100
58 40.4 31.0 93.0

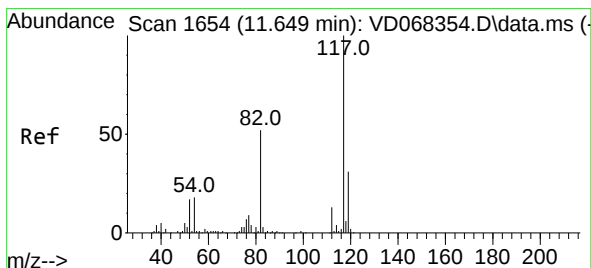
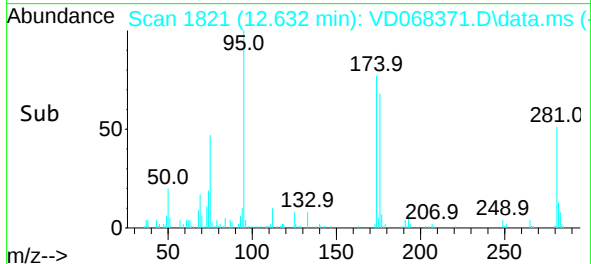
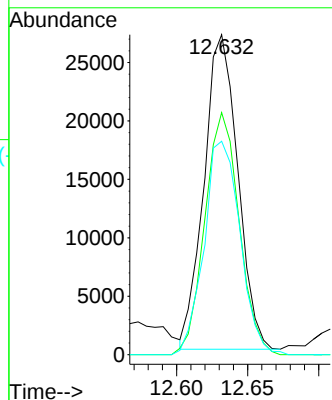
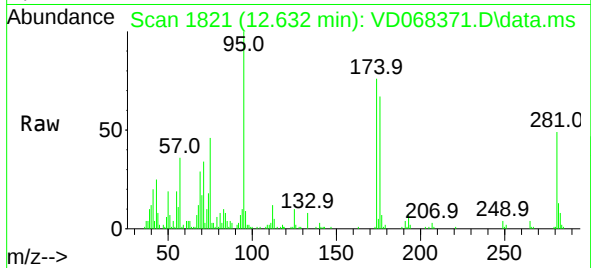




#62
4-Bromofluorobenzene
Concen: 16.21 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

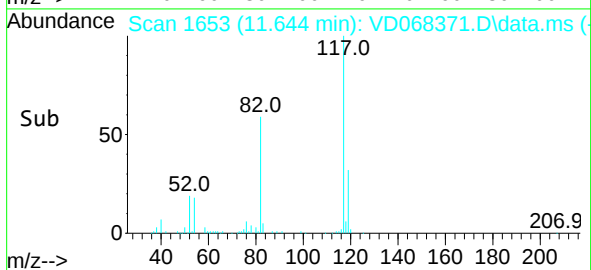
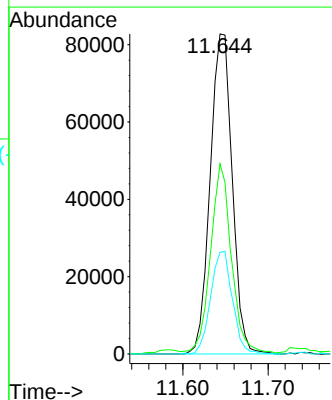
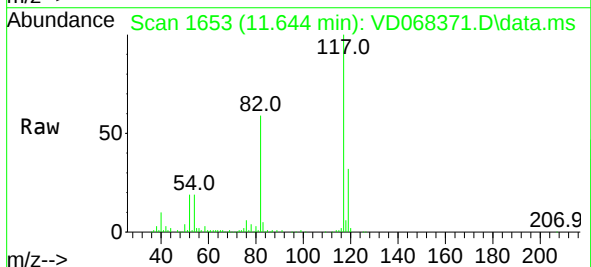
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

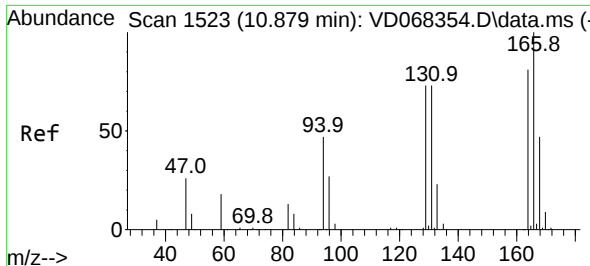
Tgt Ion: 95 Resp: 44489
Ion Ratio Lower Upper
95 100
174 78.1 0.0 172.4
176 72.3 0.0 168.4



#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

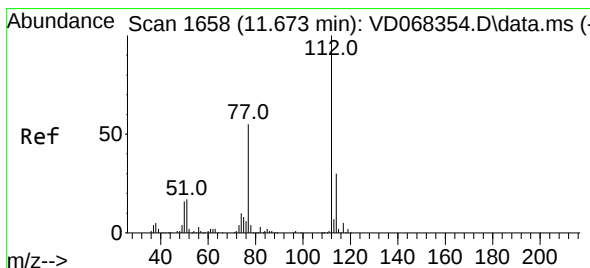
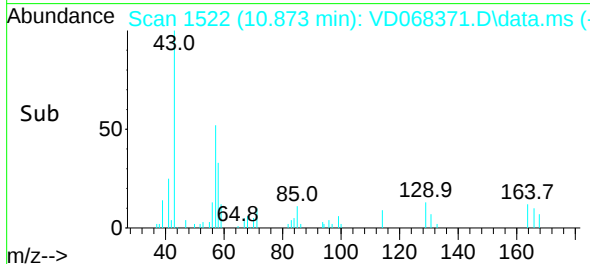
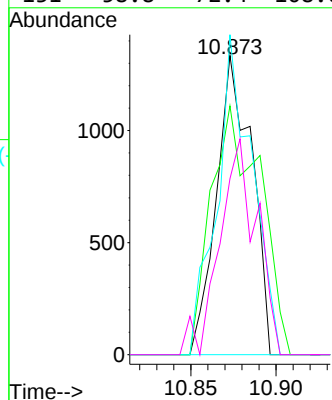
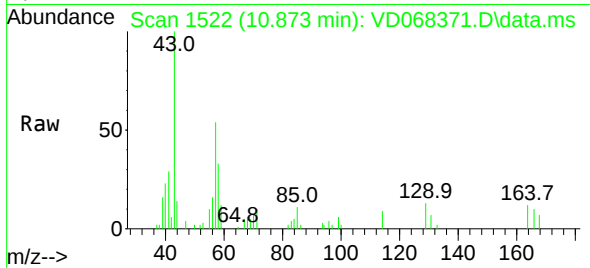




#64
Tetrachloroethene
Concen: 2.10 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

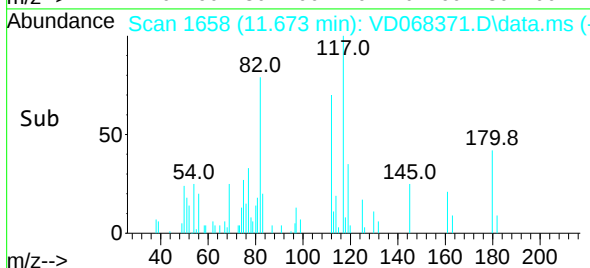
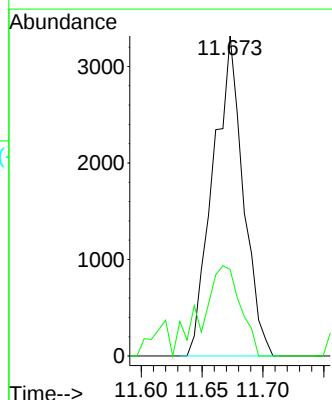
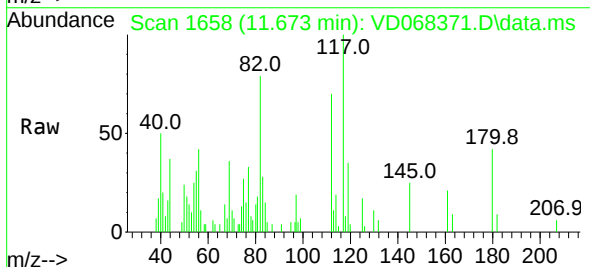
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

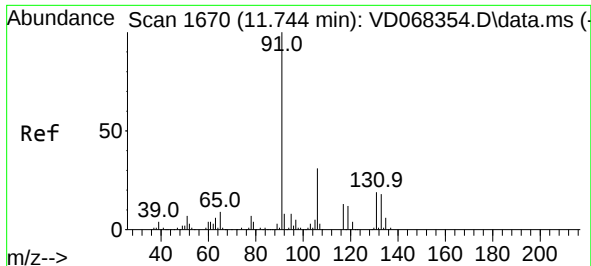
Tgt Ion:164 Resp: 1919
Ion Ratio Lower Upper
164 100
166 83.1 105.5 158.3#
129 107.0 75.6 113.4
131 58.8 72.4 108.6#



#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

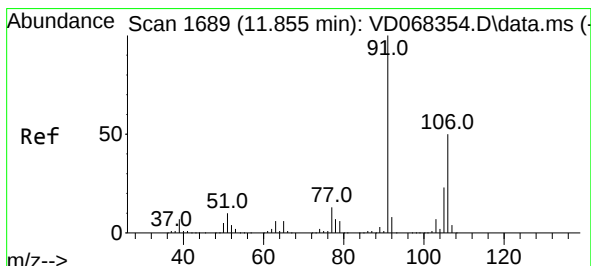
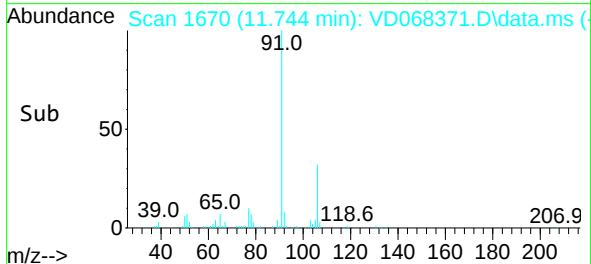
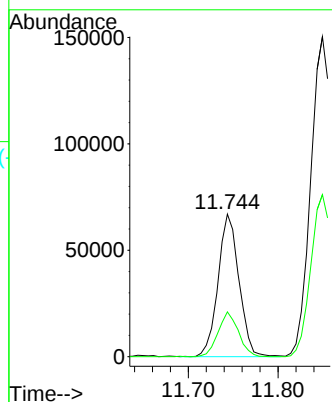
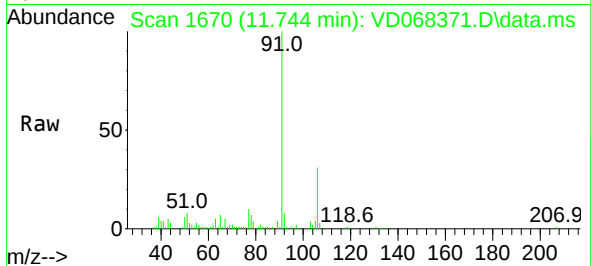




#67
Ethyl Benzene
Concen: 21.21 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

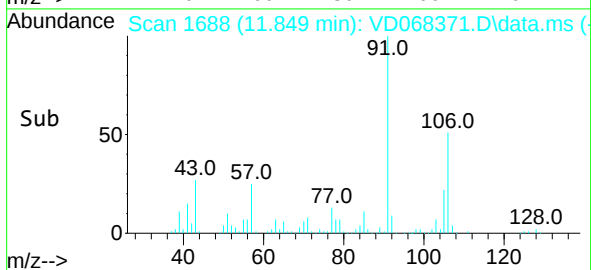
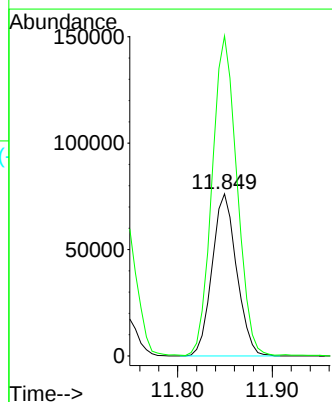
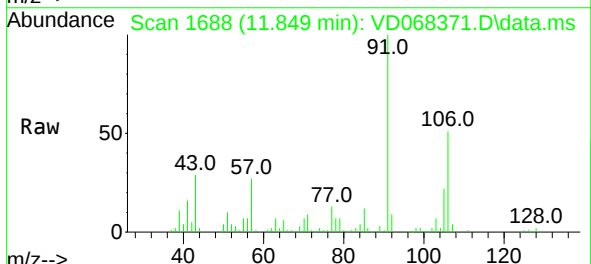
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

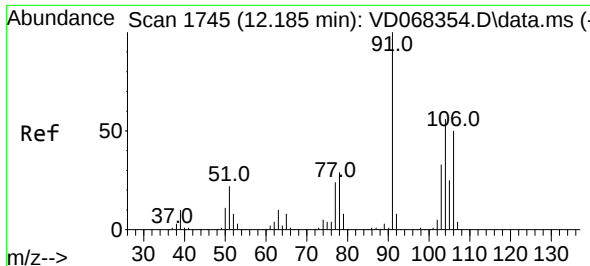
Tgt Ion: 91 Resp: 108651
Ion Ratio Lower Upper
91 100
106 31.5 25.9 38.9



#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

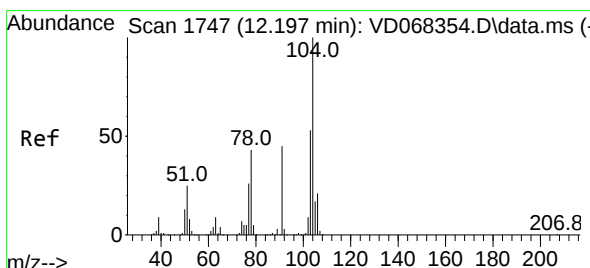
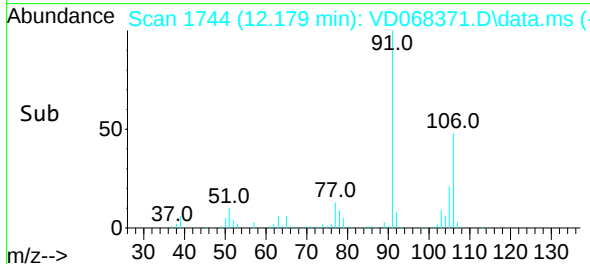
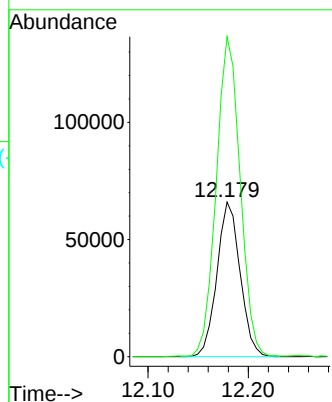
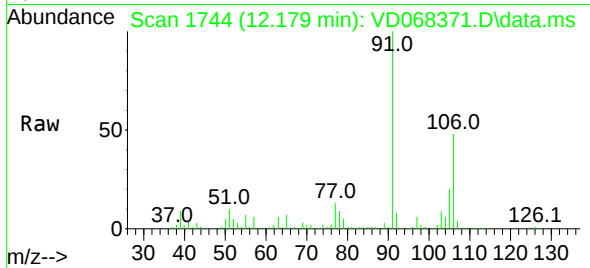




#69
o-Xylene
Concen: 59.50 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

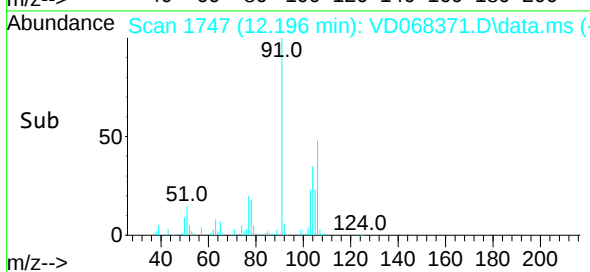
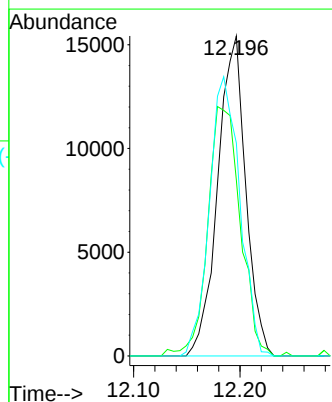
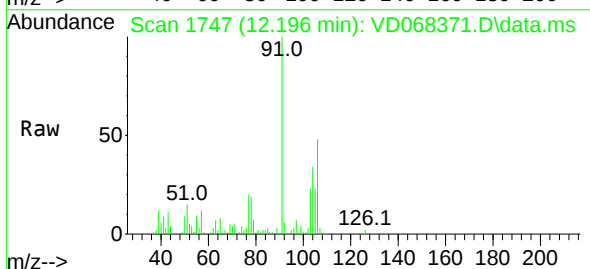
Instrument :
MSVOA_D
ClientSampleId :
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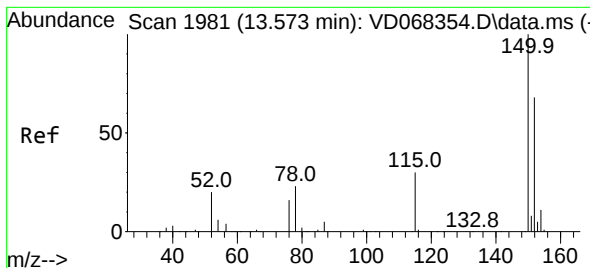
Tgt Ion:106 Resp: 105698
Ion Ratio Lower Upper
106 100
91 214.3 108.7 325.9



#70
Styrene
Concen: 9.11 ug/l
RT: 12.196 min Scan# 1747
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion:104 Resp: 28134
Ion Ratio Lower Upper
104 100
78 90.7 38.2 57.2#
103 95.1 43.1 64.7#

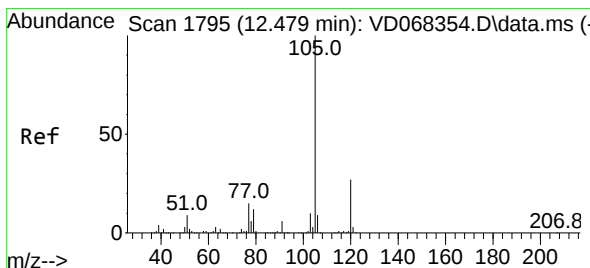
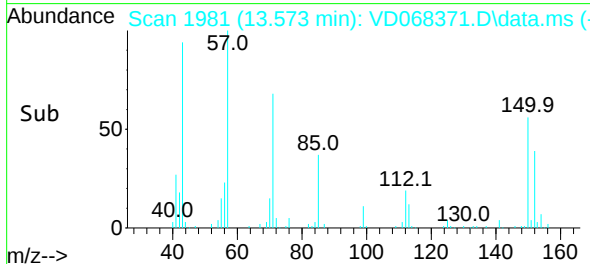
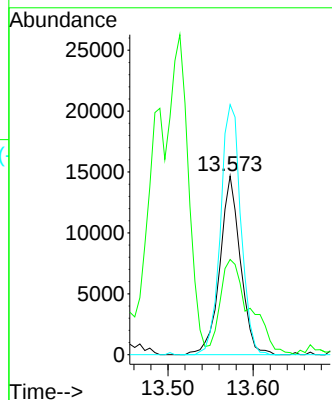
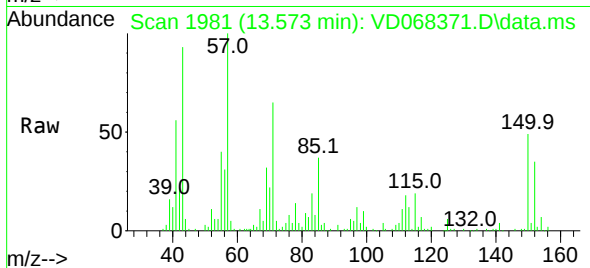




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. -0.000 min
 Lab File: VD068371.D
 Acq: 16 Feb 2021 15:41

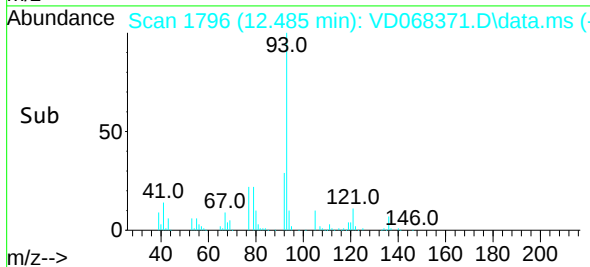
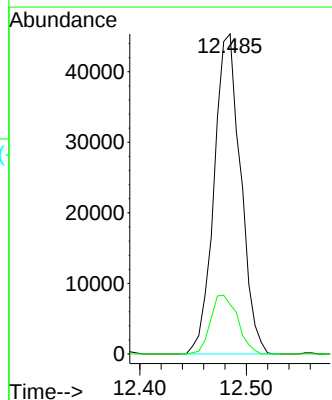
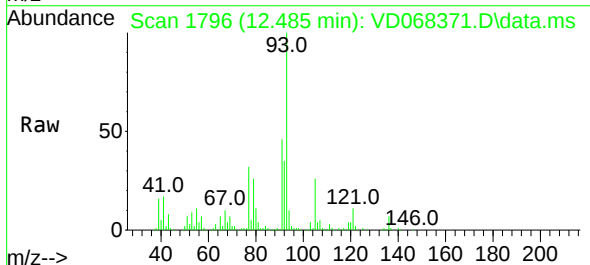
Instrument :
 MSVOA_D
 ClientSampleId :
 SLUDGE-COMP

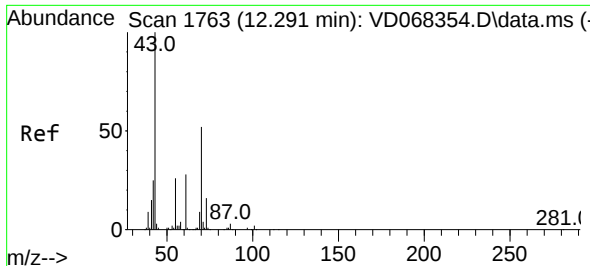
Tgt Ion:152 Resp: 24544
 Ion Ratio Lower Upper
 152 100
 115 77.7 28.9 86.8
 150 138.8 0.0 344.4



#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

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

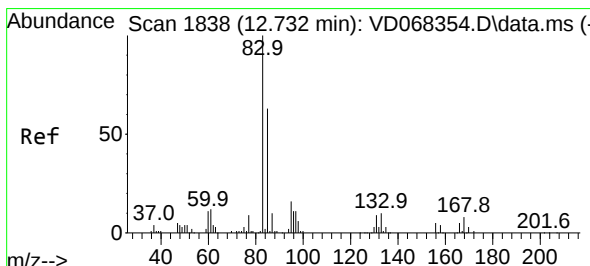
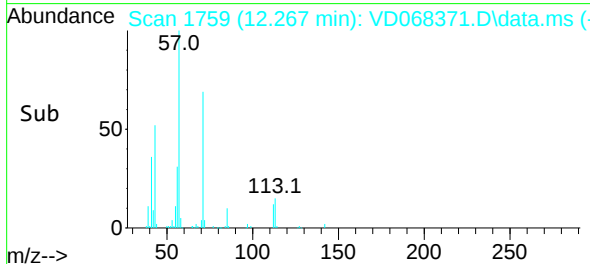
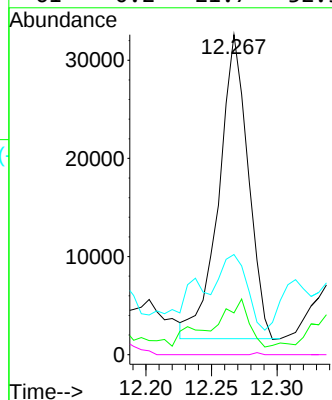
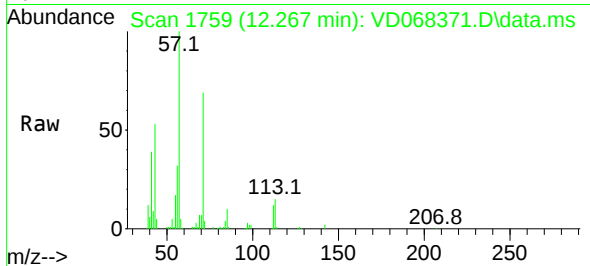




#74
N-amy1 acetate
Concen: 151.65 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.024 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

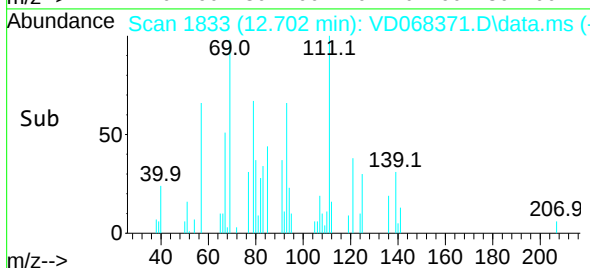
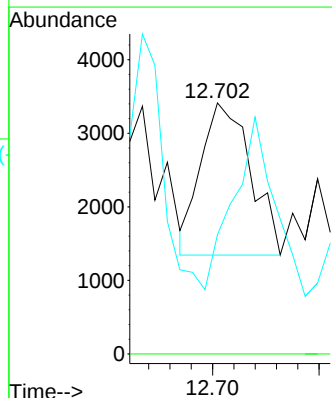
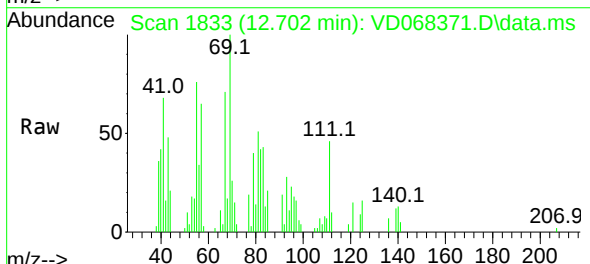
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

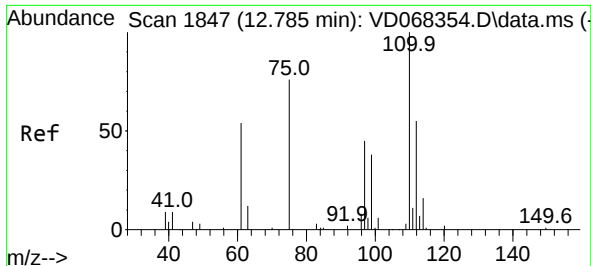
Tgt Ion:	43	Resp:	48006
Ion	Ratio	Lower	Upper
43	100		
70	12.3	41.8	62.8#
55	23.1	24.2	36.4#
61	0.2	21.7	32.5#



#75
1,1,2,2-Tetrachloroethane
Concen: 10.81 ug/l
RT: 12.702 min Scan# 1833
Delta R.T. -0.029 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

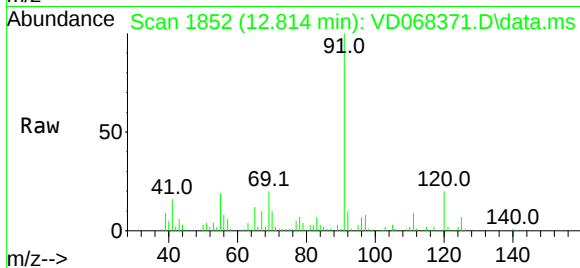
Tgt Ion:	83	Resp:	3357
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.8	17.4#
85	125.4	32.4	97.2#



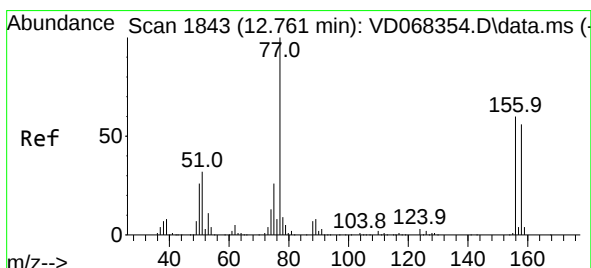
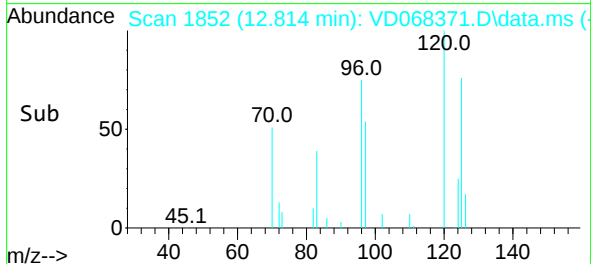
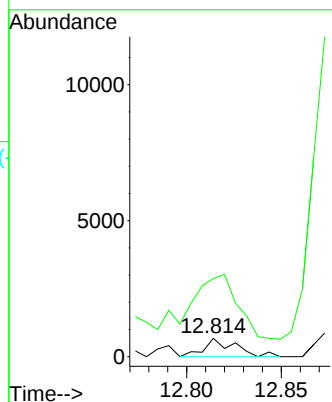


#76
1,2,3-Trichloropropane
Concen: 3.31 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.029 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

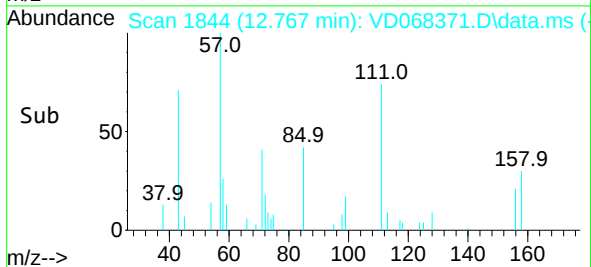
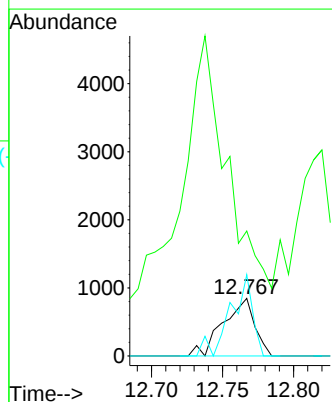
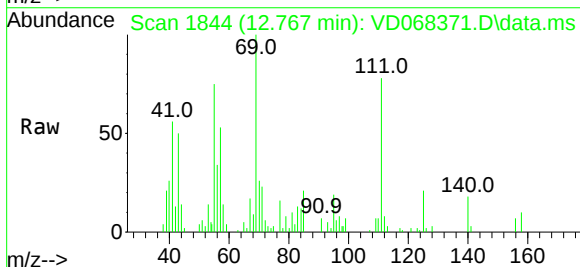


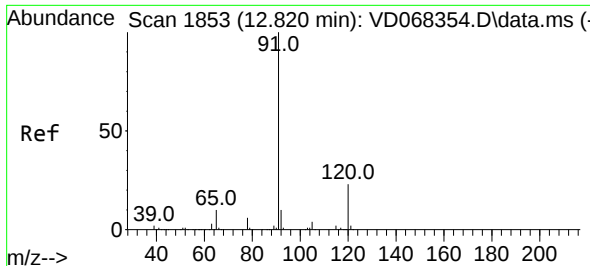
Tgt Ion: 75 Resp: 773
Ion Ratio Lower Upper
75 100
77 541.7 0.0 0.0#



#77
Bromobenzene
Concen: 3.27 ug/l
RT: 12.767 min Scan# 1844
Delta R.T. 0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion:156 Resp: 1309
Ion Ratio Lower Upper
156 100
77 0.0 82.8 248.3#
158 98.3 48.0 144.0

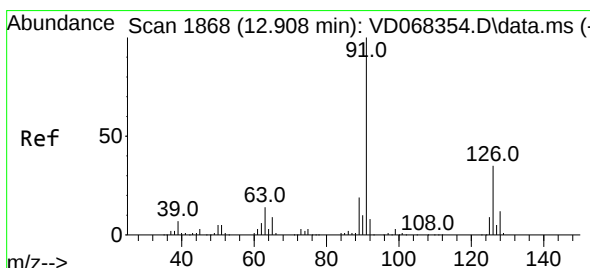
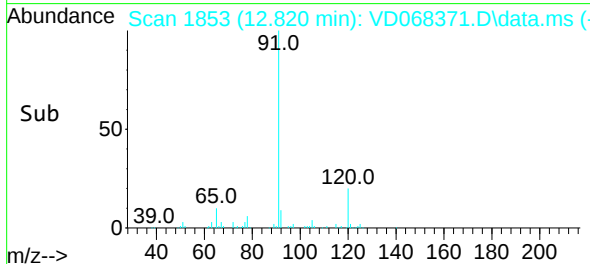
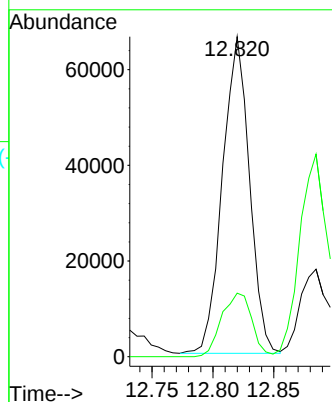
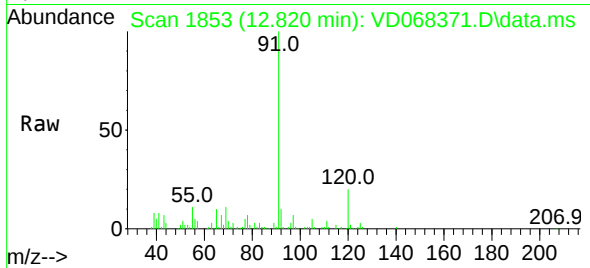




#78
n-propylbenzene
Concen: 47.60 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

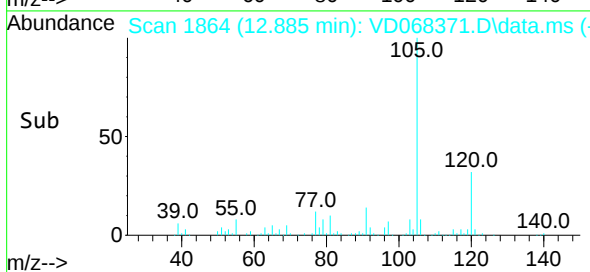
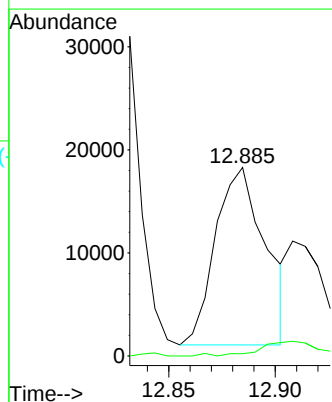
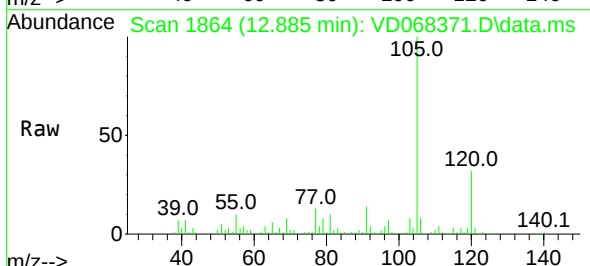
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

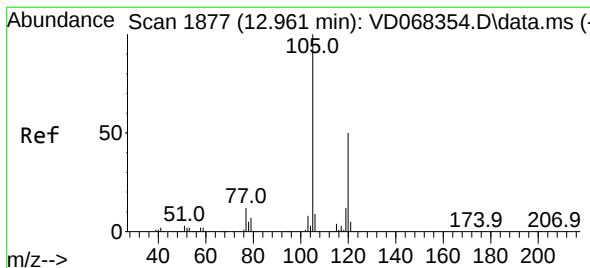
Tgt Ion: 91 Resp: 102161
Ion Ratio Lower Upper
91 100
120 22.5 12.0 36.0



#79
2-Chlorotoluene
Concen: 23.59 ug/l
RT: 12.885 min Scan# 1864
Delta R.T. -0.024 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 91 Resp: 28035
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.5#

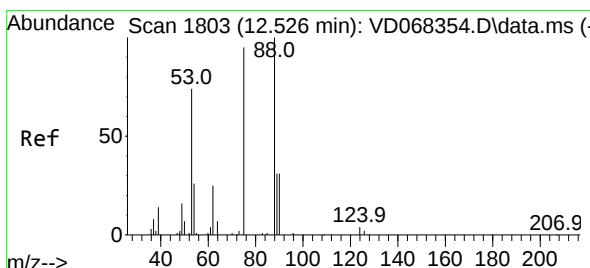
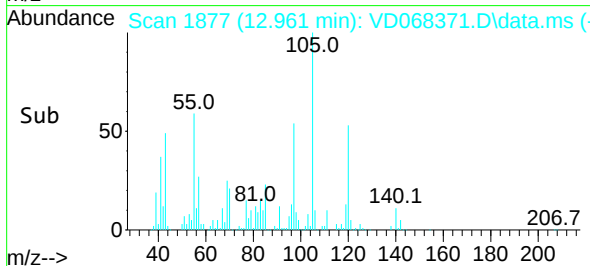
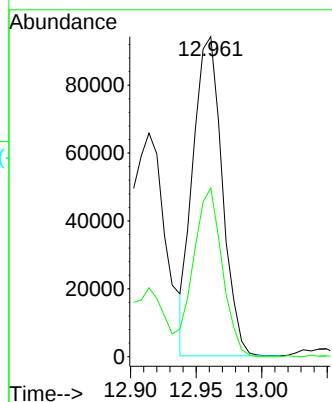
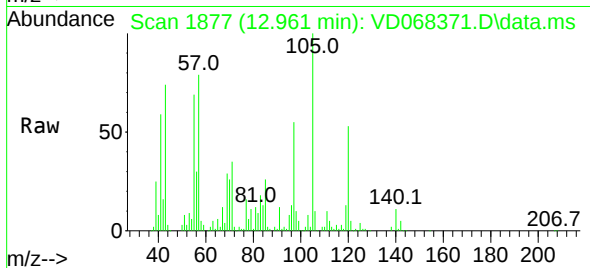




#80
1,3,5-Trimethylbenzene
Concen: 99.46 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

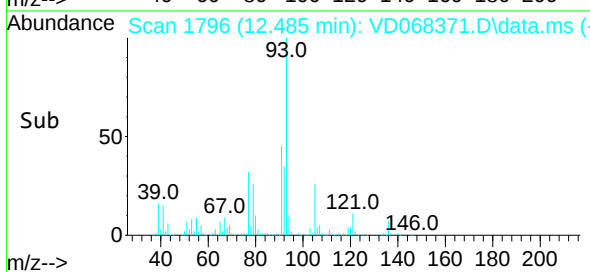
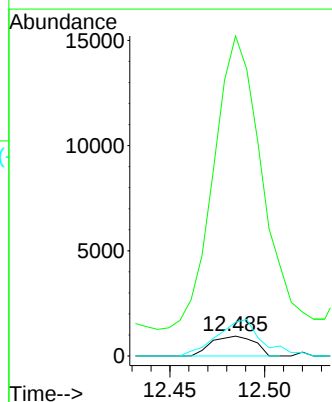
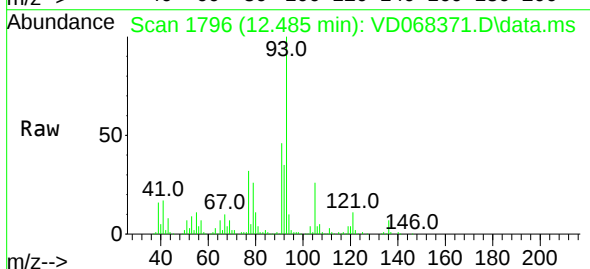
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

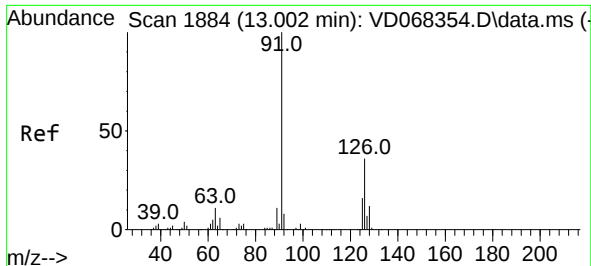
Tgt Ion:105 Resp: 145712
Ion Ratio Lower Upper
105 100
120 52.8 24.2 72.6



#81
trans-1,4-Dichloro-2-butene
Concen: 16.03 ug/l
RT: 12.485 min Scan# 1796
Delta R.T. -0.041 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 75 Resp: 1494
Ion Ratio Lower Upper
75 100
53 1664.3 70.2 105.2#
89 190.8 40.3 60.5#

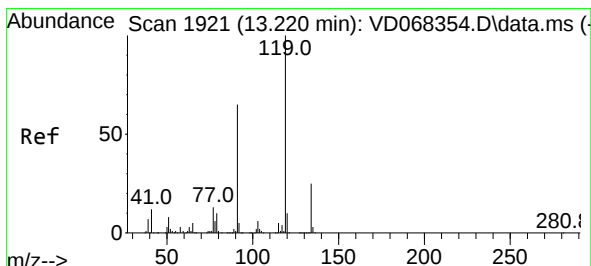
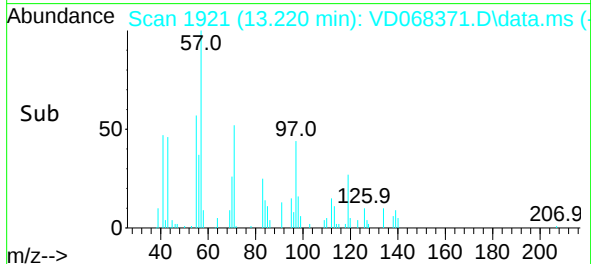
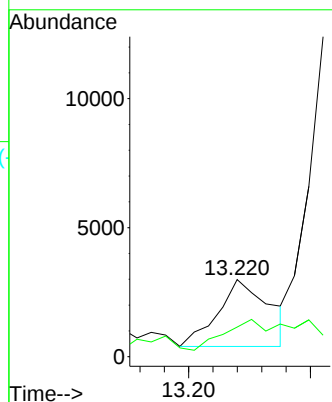
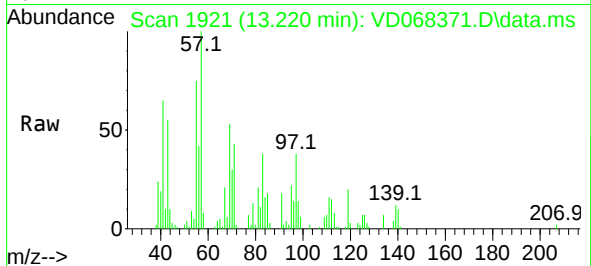




#82
4-Chlorotoluene
Concen: 3.02 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.218 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

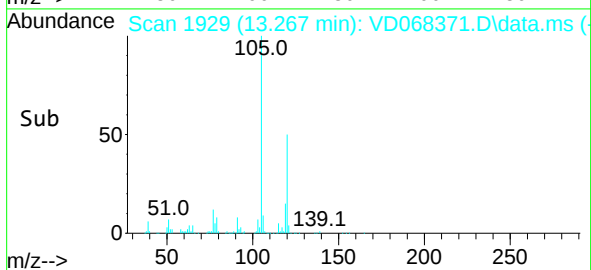
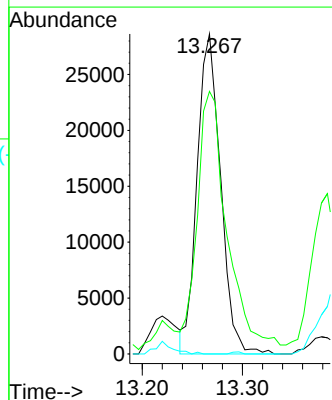
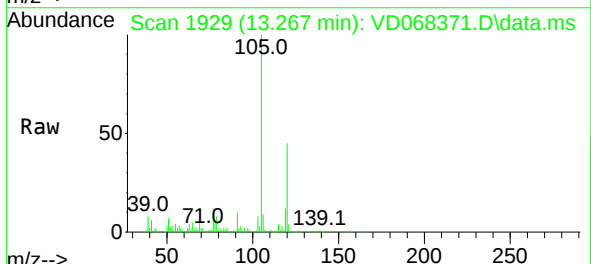
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

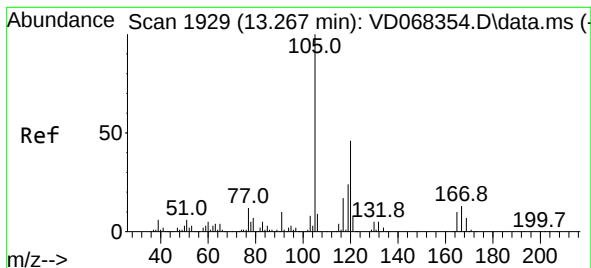
Tgt Ion: 91 Resp: 3798
Ion Ratio Lower Upper
91 100
126 36.0 17.7 53.1



#83
tert-Butylbenzene
Concen: 36.63 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.047 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 119 Resp: 46546
Ion Ratio Lower Upper
119 100
91 96.2 31.1 93.5#
134 0.0 13.3 39.8#





#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

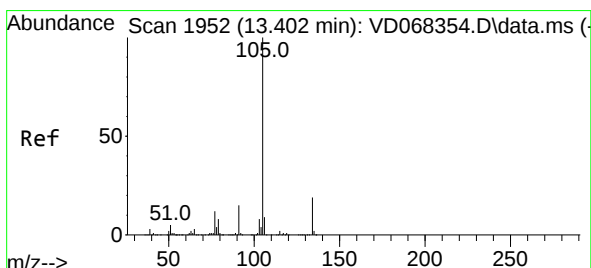
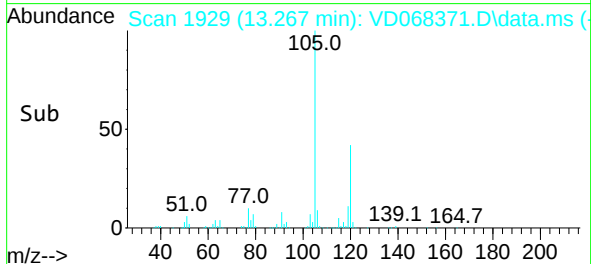
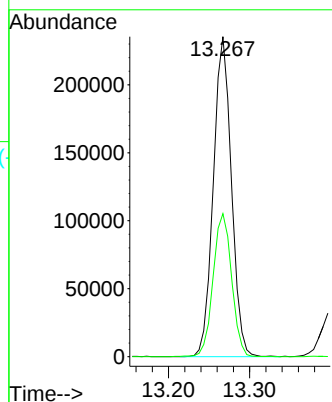
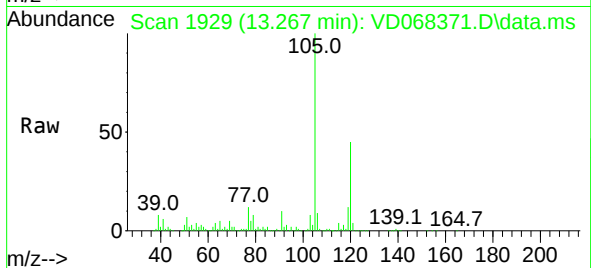
Acq: 16 Feb 2021 15:41

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

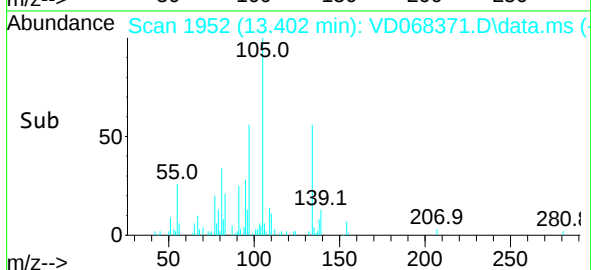
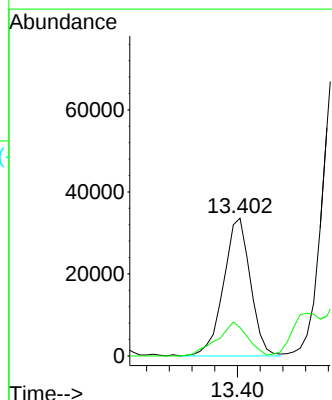
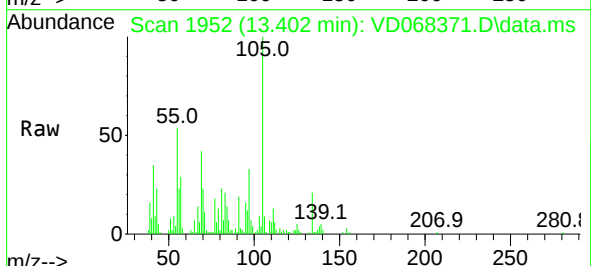
Acq: 16 Feb 2021 15:41

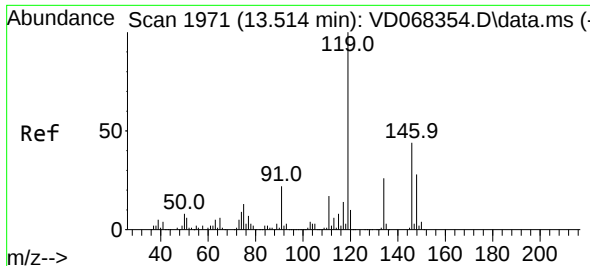
Tgt Ion:105 Resp: 55206

Ion Ratio Lower Upper

105 100

134 27.7 10.3 30.9

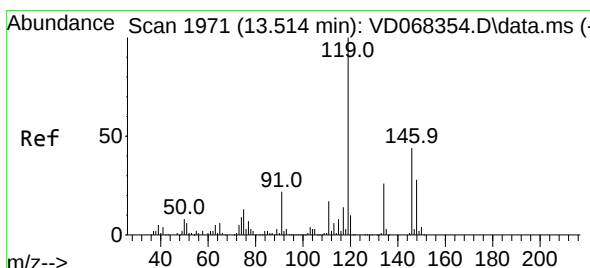
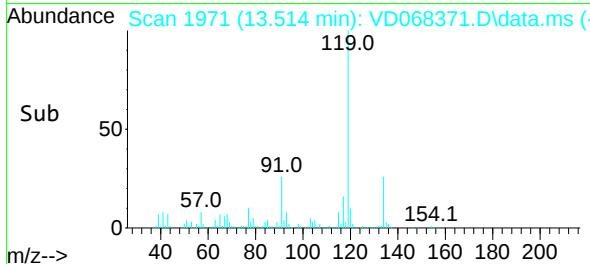
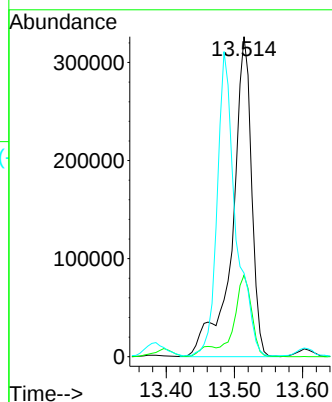
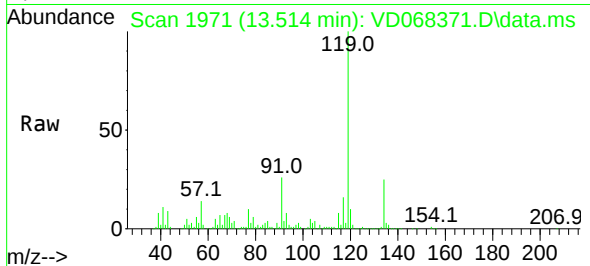




#86
p-Isopropyltoluene
Concen: 400.45 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

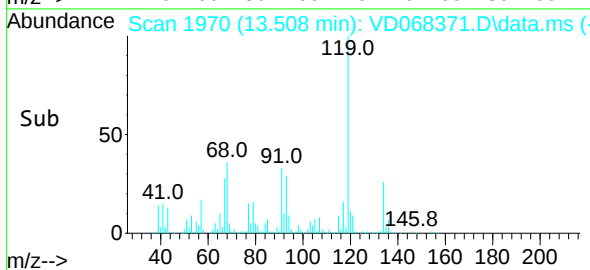
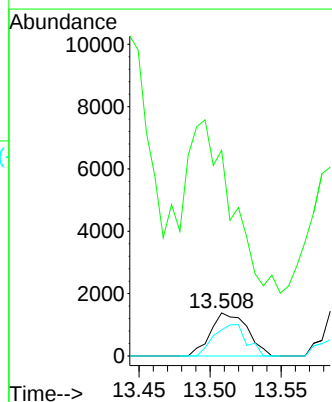
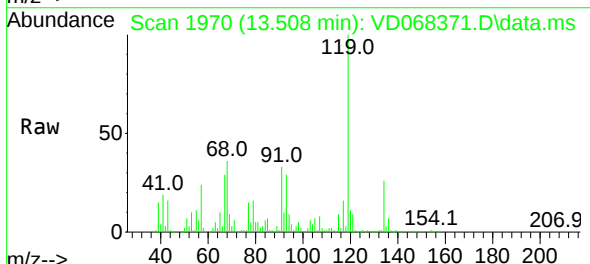
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

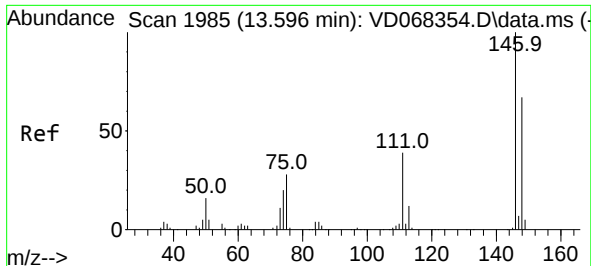
Tgt Ion:119 Resp: 639012
Ion Ratio Lower Upper
119 100
134 22.4 12.9 38.7
91 0.0 11.7 35.0#



#87
1,3-Dichlorobenzene
Concen: 3.22 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion:146 Resp: 2492
Ion Ratio Lower Upper
146 100
111 457.1 19.5 58.5#
148 0.0 31.6 95.0#

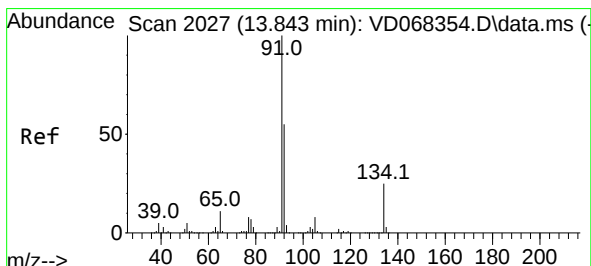
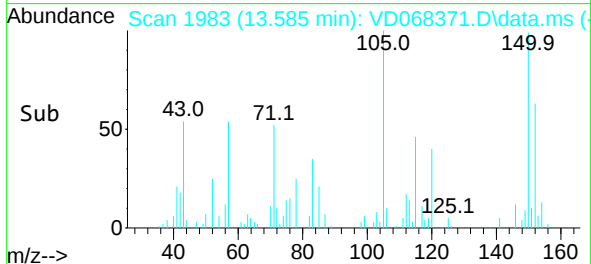
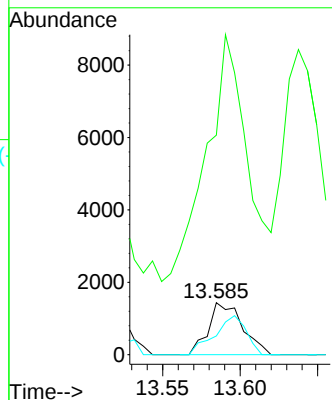
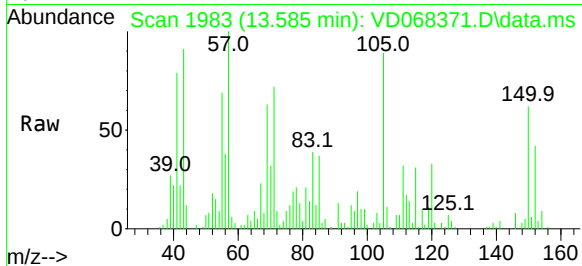




#88
1,4-Dichlorobenzene
Concen: 2.85 ug/l
RT: 13.585 min Scan# 1983
Delta R.T. -0.012 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

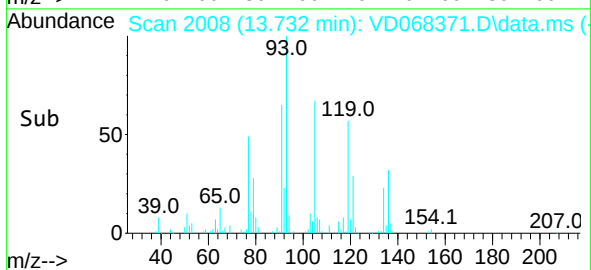
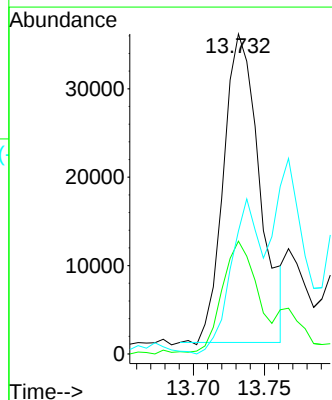
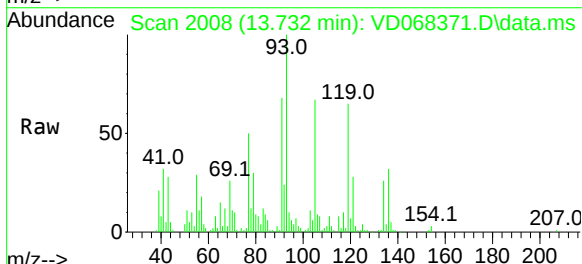
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

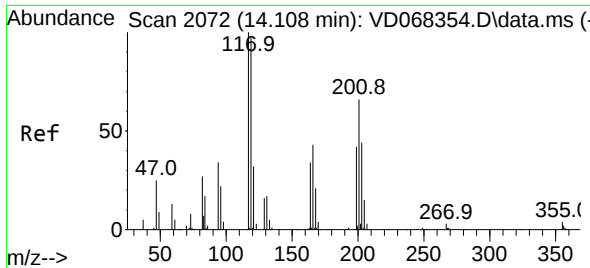
Tgt Ion:146 Resp: 2195
Ion Ratio Lower Upper
146 100
111 566.5 19.1 57.1#
148 69.6 31.9 95.7



#89
n-Butylbenzene
Concen: 39.69 ug/l
RT: 13.732 min Scan# 2008
Delta R.T. -0.112 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion: 91 Resp: 61799
Ion Ratio Lower Upper
91 100
92 34.6 27.2 81.6
134 41.3 13.9 41.7

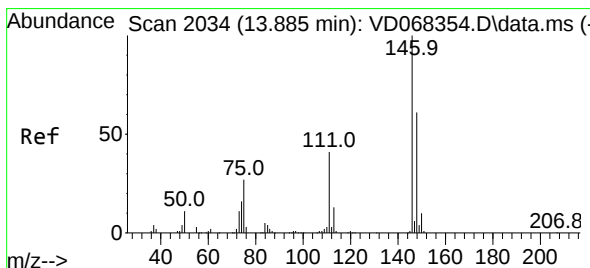
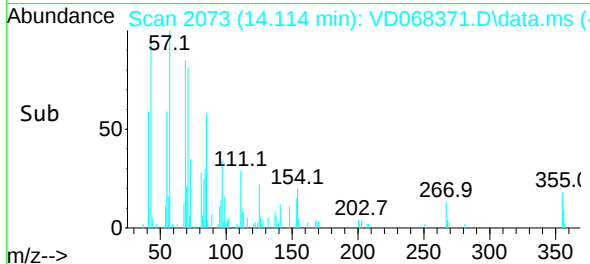
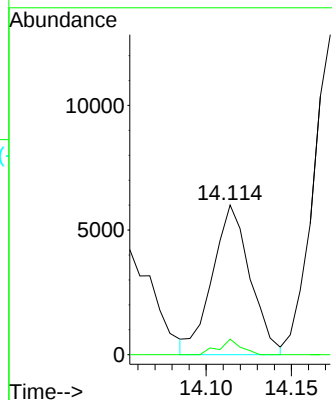
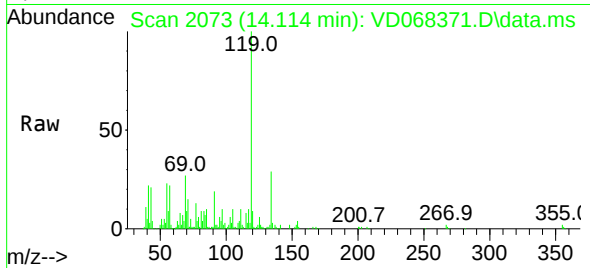




#90
Hexachloroethane
Concen: 31.91 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

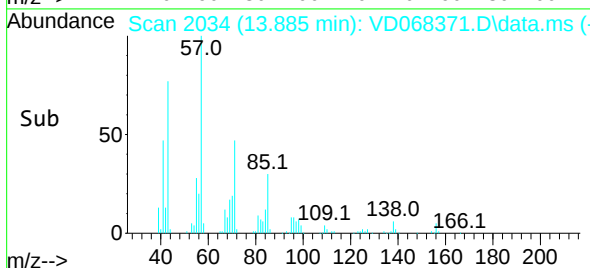
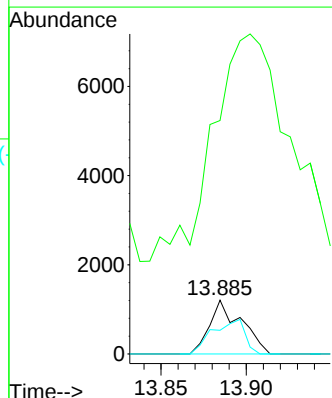
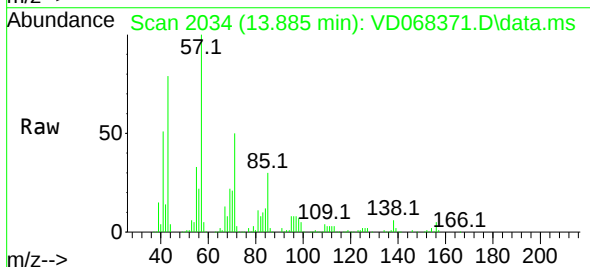
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

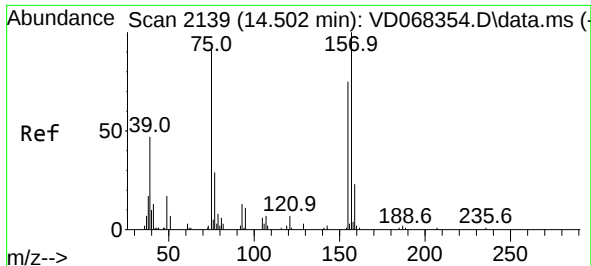
Tgt Ion:117 Resp: 9246
Ion Ratio Lower Upper
117 100
201 5.9 39.5 118.5#



#91
1,2-Dichlorobenzene
Concen: 2.32 ug/l
RT: 13.885 min Scan# 2034
Delta R.T. -0.000 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

Tgt Ion:146 Resp: 1560
Ion Ratio Lower Upper
146 100
111 1151.3 20.3 60.9#
148 65.3 31.7 95.1

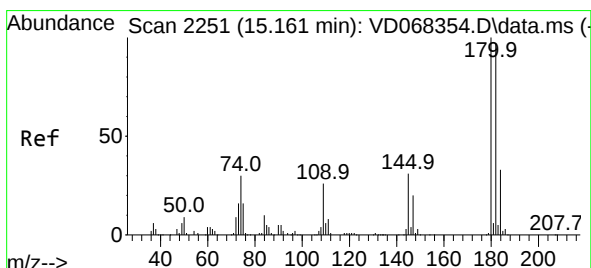
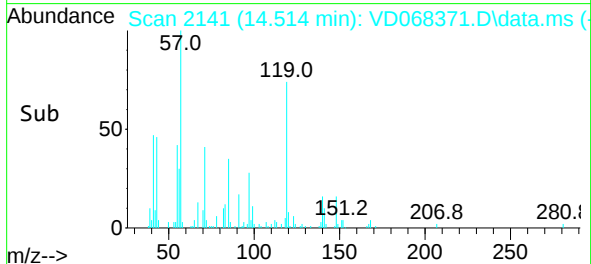
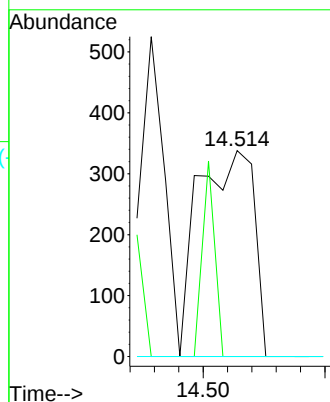
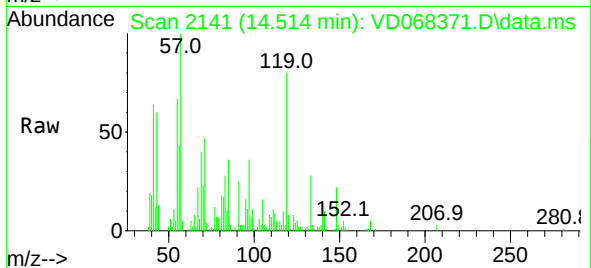




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.80 ug/l
 RT: 14.514 min Scan# 2141
 Delta R.T. 0.012 min
 Lab File: VD068371.D
 Acq: 16 Feb 2021 15:41

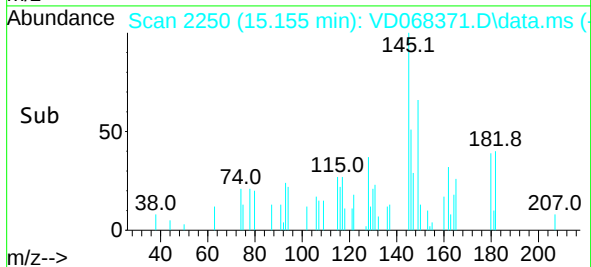
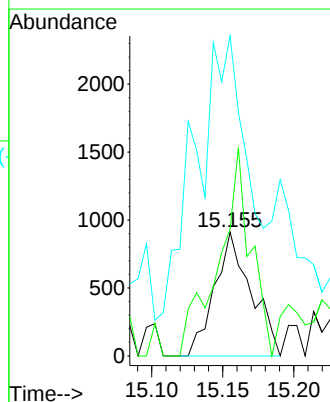
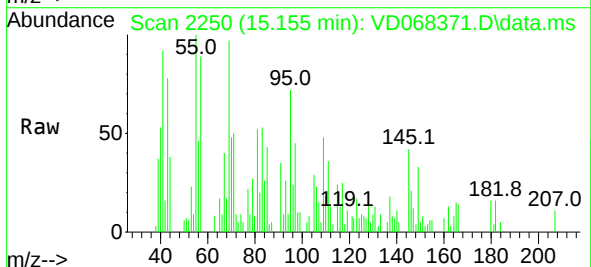
Instrument :
 MSVOA_D
 ClientSampleId :
 SLUDGE-COMP

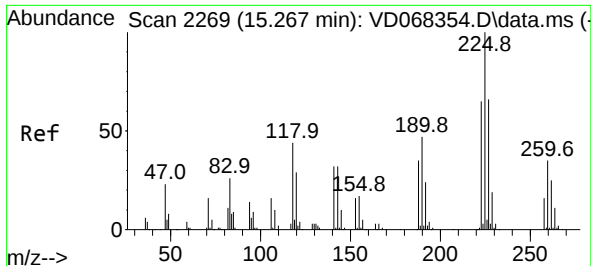
Tgt Ion: 75 Resp: 536
 Ion Ratio Lower Upper
 75 100
 155 21.1 48.0 144.2#
 157 0.0 65.0 194.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.69 ug/l
 RT: 15.155 min Scan# 2250
 Delta R.T. -0.006 min
 Lab File: VD068371.D
 Acq: 16 Feb 2021 15:41

Tgt Ion: 180 Resp: 1622
 Ion Ratio Lower Upper
 180 100
 182 148.5 46.8 140.4#
 145 321.8 15.2 45.5#

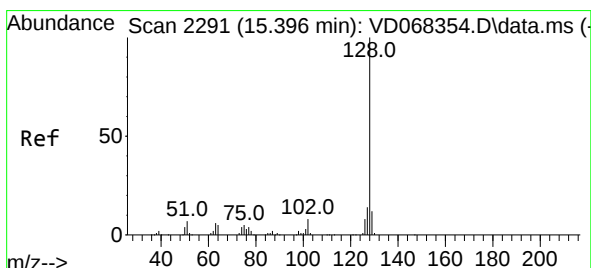
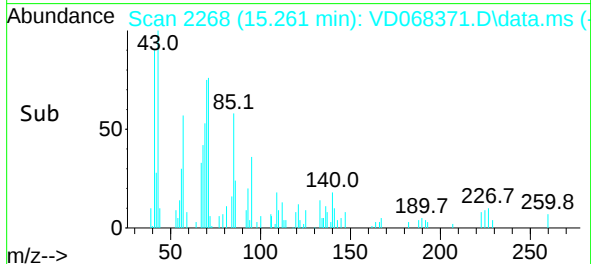
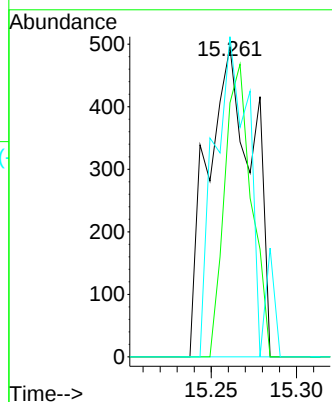
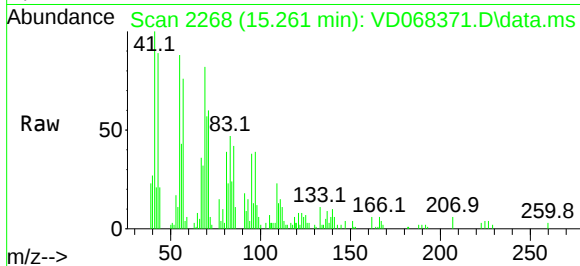




#94
Hexachlorobutadiene
Concen: 3.76 ug/l
RT: 15.261 min Scan# 2268
Delta R.T. -0.006 min
Lab File: VD068371.D
Acq: 16 Feb 2021 15:41

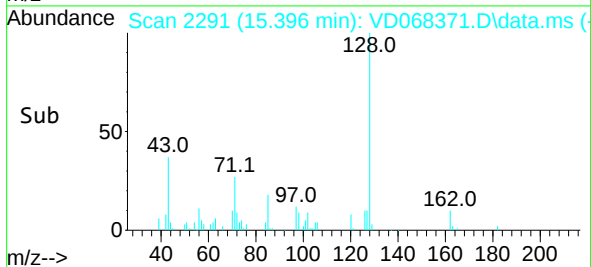
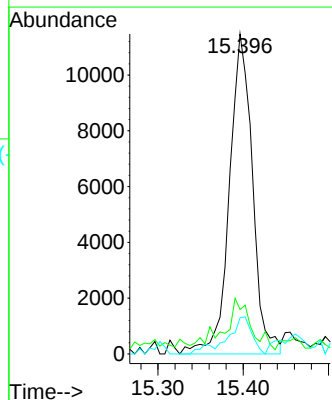
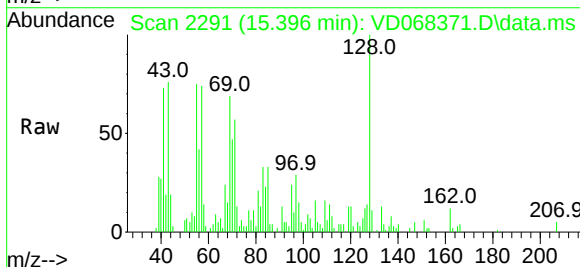
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

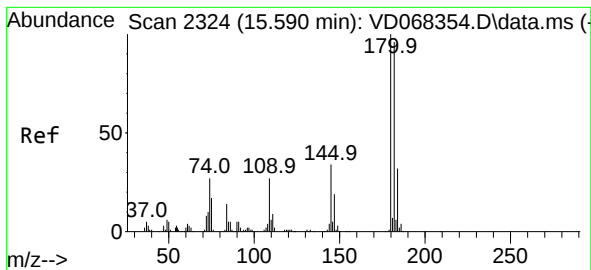
Tgt Ion:	225	Resp:	910
Ion	Ratio	Lower	Upper
225	100		
223	56.6	31.9	95.5
227	83.5	32.1	96.5



#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

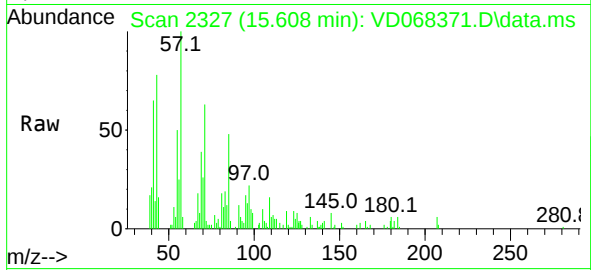
Tgt Ion:	128	Resp:	21652
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.2	15.2
129	12.4	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 4.96 ug/l
 RT: 15.608 min Scan# 2327
 Delta R.T. 0.018 min
 Lab File: VD068371.D
 Acq: 16 Feb 2021 15:41

Instrument :
 MSVOA_D
 ClientSampleId :
 SLUDGE-COMP



Tgt Ion:180 Resp: 1905
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.3 144.8#
 145 163.5 16.7 50.1#

