

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031821\
 Data File : VW018366.D
 Acq On : 18 Mar 2021 12:37
 Operator : SY/VA
 Sample : M1458-03
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT1-2021

Manual Integrations
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Quant Time: Mar 18 18:29:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 18 18:28:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.945	168	343927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	577718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	529418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	253867	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	191707	52.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.40%	
35) Dibromofluoromethane	7.884	113	163076	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
50) Toluene-d8	10.323	98	671271	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.615	95	248416	48.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.76%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.020	85	9180	3.75	ug/l	93
3) Chloromethane	2.215	50	14296	3.78	ug/l	99
4) Vinyl Chloride	2.367	62	17837	4.88	ug/l	90
5) Bromomethane	2.782	94	16544	5.54	ug/l	100
6) Chloroethane	2.934	64	13412	4.69	ug/l #	83
7) Trichlorofluoromethane	3.263	101	10321	3.63	ug/l	96
8) Diethyl Ether	3.678	74	7147	4.17	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.062	101	13783	4.29	ug/l #	73
10) Methyl Iodide	4.275	142	20742	4.39	ug/l #	93
11) Tert butyl alcohol	5.171	59	4653	20.82	ug/l	96
12) 1,1-Dichloroethene	4.050	96	15063m	4.56	ug/l	
13) Acrolein	3.891	56	3677	21.54	ug/l	96
14) Allyl chloride	4.665	41	19017	4.22	ug/l	92
15) Acrylonitrile	5.367	53	14401	21.20	ug/l	98
16) Acetone	4.123	43	13463	24.52	ug/l	99
17) Carbon Disulfide	4.385	76	36385	4.19	ug/l	97
18) Methyl Acetate	4.672	43	7234	5.02	ug/l	94
19) Methyl tert-butyl Ether	5.428	73	21252	4.28	ug/l	97
20) Methylene Chloride	4.915	84	32332	7.75	ug/l	97
21) trans-1,2-Dichloroethene	5.421	96	16621	4.27	ug/l	88
22) Diisopropyl ether	6.311	45	40821	4.41	ug/l #	91
23) Vinyl Acetate	6.251	43	118082	20.63	ug/l	97
24) 1,1-Dichloroethane	6.214	63	28691	4.32	ug/l	95
25) 2-Butanone	7.171	43	17087	21.01	ug/l	90
26) 2,2-Dichloropropane	7.171	77	19033	4.46	ug/l	98
27) cis-1,2-Dichloroethene	7.165	96	18567	4.38	ug/l	96
28) Bromochloromethane	7.519	49	10892	4.20	ug/l #	6
29) Tetrahydrofuran	7.531	42	12230	23.17	ug/l	90
30) Chloroform	7.677	83	30404	4.35	ug/l	95
31) Cyclohexane	7.958	56	32927	5.24	ug/l #	82
32) 1,1,1-Trichloroethane	7.872	97	24612	4.33	ug/l	97
36) 1,1-Dichloropropene	8.086	75	24417	4.28	ug/l	99
37) Ethyl Acetate	7.256	43	8169	4.09	ug/l #	92
38) Carbon Tetrachloride	8.067	117	22625	4.24	ug/l	96
39) Methylcyclohexane	9.335	83	31098	4.30	ug/l	96
40) Benzene	8.323	78	65156	4.26	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	4464	4.13	ug/l #	87
42) 1,2-Dichloroethane	8.403	62	20610	4.29	ug/l	99
43) Isopropyl Acetate	8.421	43	16040	4.00	ug/l	99
44) Trichloroethene	9.091	130	17461	4.24	ug/l	87
45) 1,2-Dichloropropane	9.372	63	15349	4.16	ug/l	98
46) Dibromomethane	9.463	93	8804	4.27	ug/l	98
47) Bromodichloromethane	9.646	83	21727	4.05	ug/l	95
48) Methyl methacrylate	9.433	41	8122	4.27	ug/l	95
49) 1,4-Dioxane	9.445	88	2427	81.12	ug/l #	82
51) 4-Methyl-2-Pentanone	10.207	43	39801	20.34	ug/l	97
52) Toluene	10.390	92	43786	4.34	ug/l	100
53) t-1,3-Dichloropropene	10.603	75	21656	3.96	ug/l	92
54) cis-1,3-Dichloropropene	10.073	75	25048	4.02	ug/l #	88
55) 1,1,2-Trichloroethane	10.786	97	12314	4.41	ug/l	91
56) Ethyl methacrylate	10.646	69	14093	3.88	ug/l	89
57) 1,3-Dichloropropane	10.933	76	21468	4.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.927	63	35718	19.40	ug/l	95
59) 2-Hexanone	10.969	43	26941	20.00	ug/l	96
60) Dibromochloromethane	11.128	129	13028	3.79	ug/l	98
61) 1,2-Dibromoethane	11.237	107	11623	4.24	ug/l	98
64) Tetrachloroethene	10.866	164	14288	4.23	ug/l	87
65) Chlorobenzene	11.658	112	44262	4.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	14489	3.84	ug/l	97
67) Ethyl Benzene	11.731	91	85394	4.22	ug/l	97
68) m/p-Xylenes	11.841	106	62882	8.19	ug/l	100
69) o-Xylene	12.164	106	28776	4.01	ug/l	100
70) Styrene	12.182	104	47344	3.94	ug/l	98
71) Bromoform	12.347	173	6837	3.55	ug/l #	97
73) Isopropylbenzene	12.463	105	82627	4.32	ug/l	99
74) N-amyl acetate	12.268	43	16153	4.29	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.713	83	13419	4.30	ug/l	99
76) 1,2,3-Trichloropropane	12.762	75	9035m	3.87	ug/l	
77) Bromobenzene	12.743	156	17296	4.22	ug/l	93
78) n-propylbenzene	12.804	91	99234	4.35	ug/l	98
79) 2-Chlorotoluene	12.890	91	55057	4.22	ug/l	92
80) 1,3,5-Trimethylbenzene	12.944	105	70722	4.29	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	3741m	3.51	ug/l	
82) 4-Chlorotoluene	12.987	91	60540	4.40	ug/l	99
83) tert-Butylbenzene	13.207	119	59122	4.23	ug/l	97
84) 1,2,4-Trimethylbenzene	13.249	105	70363	4.26	ug/l	100
85) sec-Butylbenzene	13.383	105	84516	4.29	ug/l	100
86) p-Isopropyltoluene	13.493	119	75254	4.25	ug/l	98
87) 1,3-Dichlorobenzene	13.499	146	34525	4.18	ug/l	99
88) 1,4-Dichlorobenzene	13.578	146	34678	4.21	ug/l	88
89) n-Butylbenzene	13.822	91	75025	4.27	ug/l	98
90) Hexachloroethane	14.091	117	13042	4.01	ug/l	96
91) 1,2-Dichlorobenzene	13.871	146	30210	4.15	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	2186	3.78	ug/l	92
93) 1,2,4-Trichlorobenzene	15.127	180	22290	4.33	ug/l	94
94) Hexachlorobutadiene	15.231	225	12437	4.26	ug/l	87
95) Naphthalene	15.365	128	40949	4.31	ug/l	100
96) 1,2,3-Trichlorobenzene	15.554	180	19218	4.48	ug/l	94

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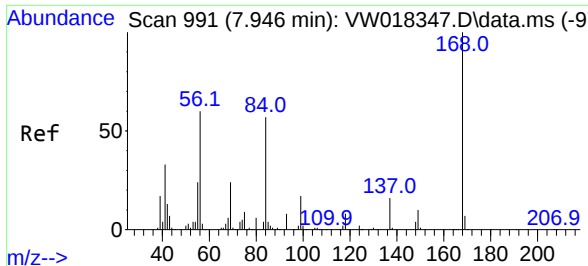
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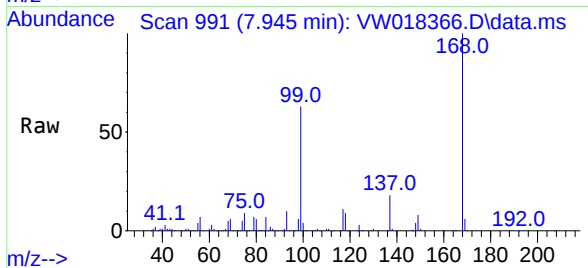
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.001 min
Lab File: VW018366.D
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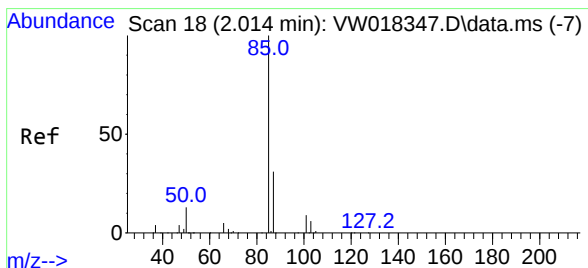
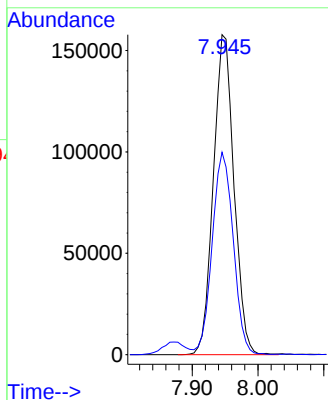
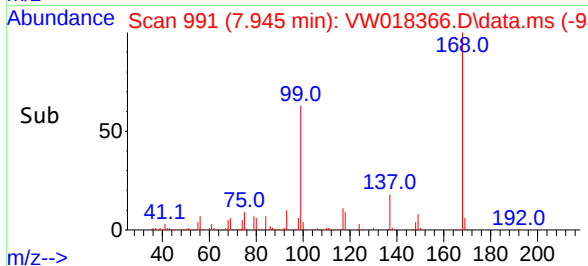
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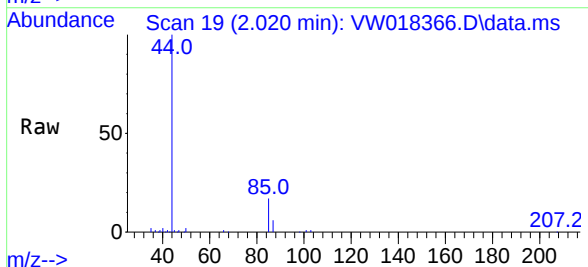
Tgt Ion:168 Resp: 343927
Ion Ratio Lower Upper
168 100
99 63.1 60.8 91.2

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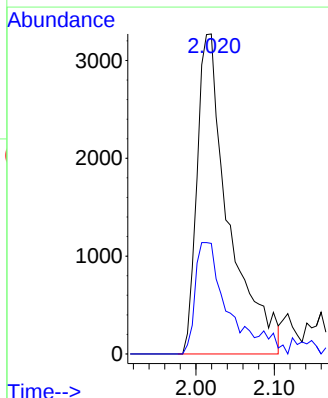
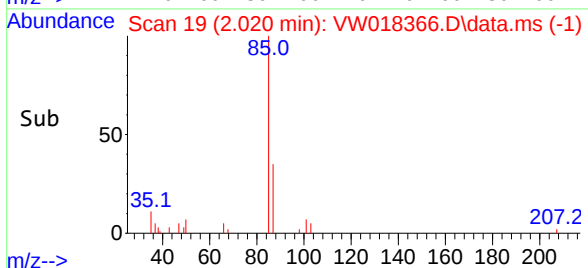
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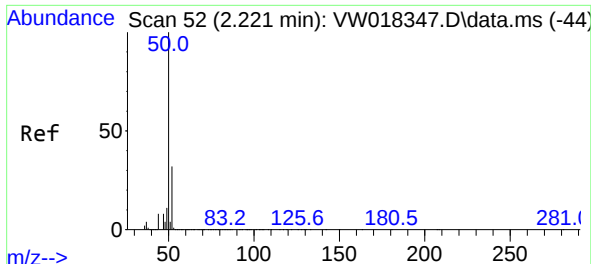


#2
Dichlorodifluoromethane
Concen: 3.75 ug/l
RT: 2.020 min Scan# 19
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



Tgt Ion: 85 Resp: 9180
Ion Ratio Lower Upper
85 100
87 34.6 15.3 45.9





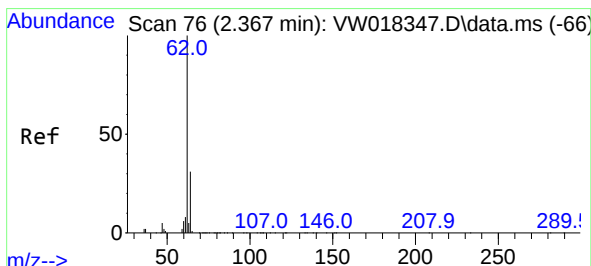
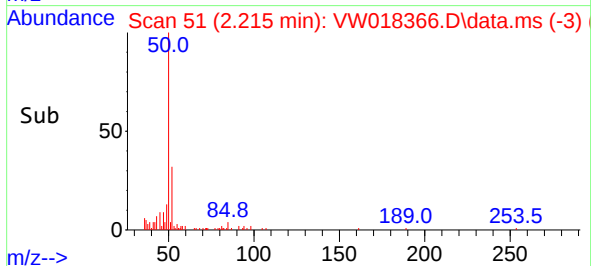
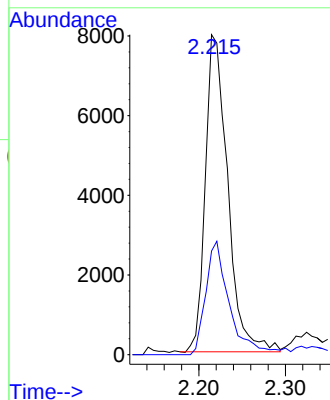
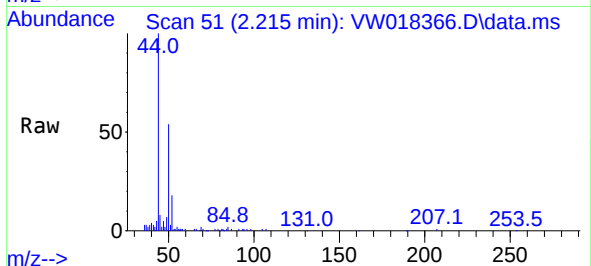
#3
Chloromethane
Concen: 3.78 ug/l
RT: 2.215 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 50 Resp: 14296
Ion Ratio Lower Upper
50 100
52 32.7 25.8 38.6

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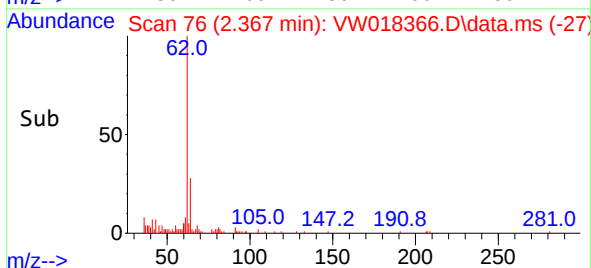
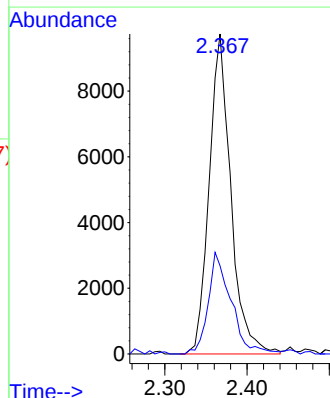
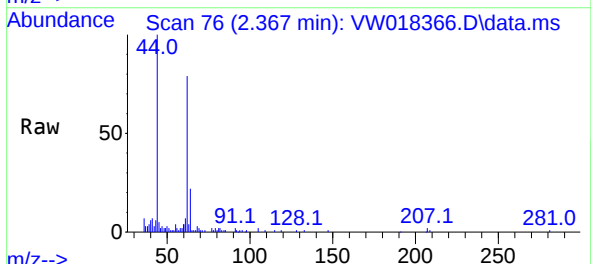
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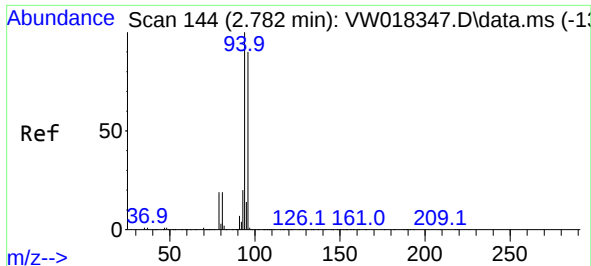
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#4
Vinyl Chloride
Concen: 4.88 ug/l
RT: 2.367 min Scan# 76
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 62 Resp: 17837
Ion Ratio Lower Upper
62 100
64 27.6 26.7 40.1





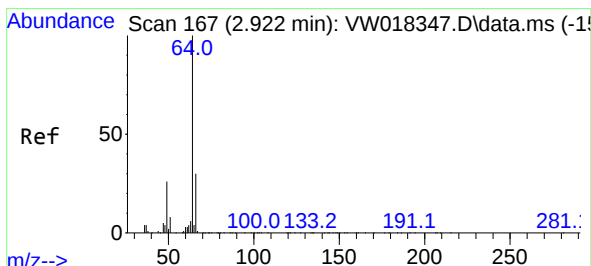
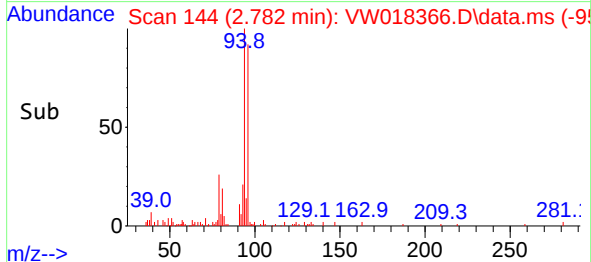
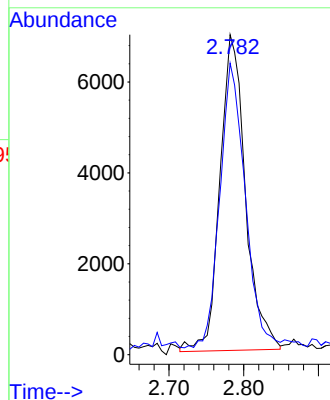
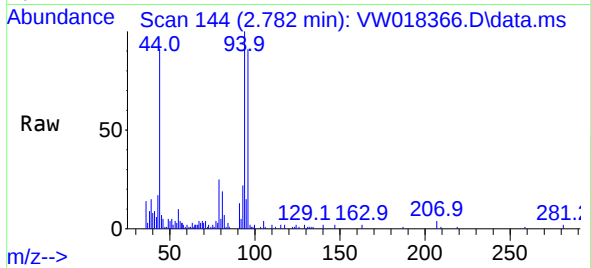
#5
Bromomethane
Concen: 5.54 ug/l
RT: 2.782 min Scan# 144
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 94 Resp: 16544
Ion Ratio Lower Upper
94 100
96 90.6 72.3 108.5

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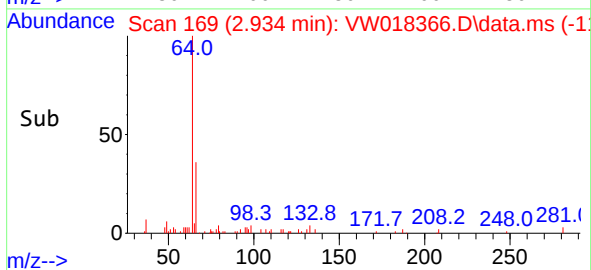
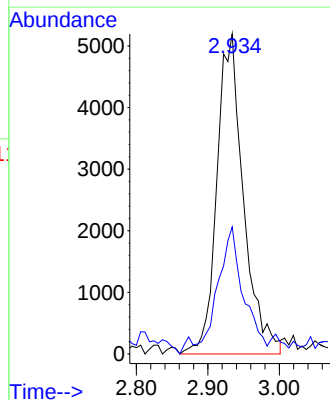
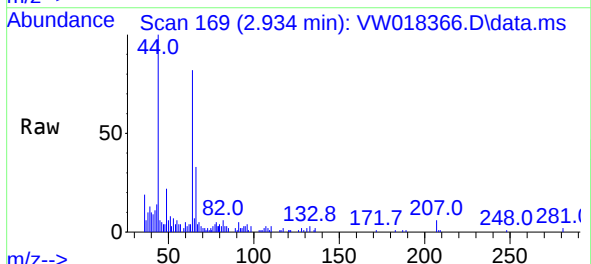
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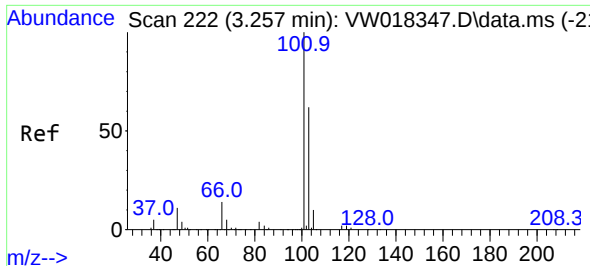
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#6
Chloroethane
Concen: 4.69 ug/l
RT: 2.934 min Scan# 169
Delta R.T. 0.012 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 64 Resp: 13412
Ion Ratio Lower Upper
64 100
66 39.7 24.5 36.7#





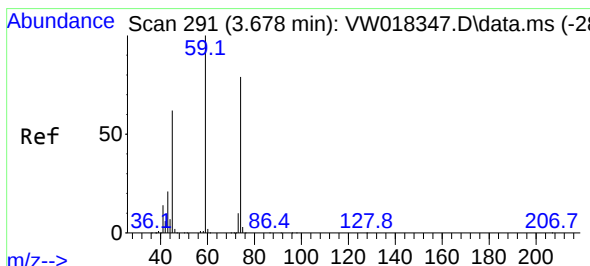
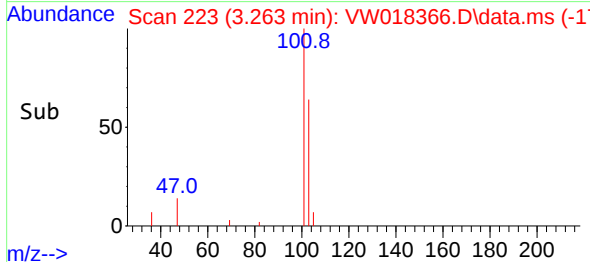
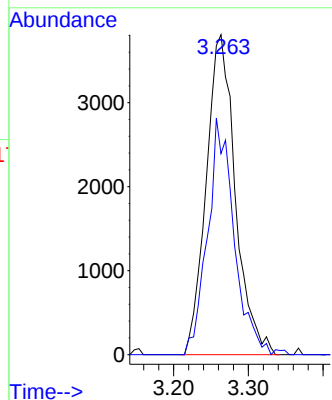
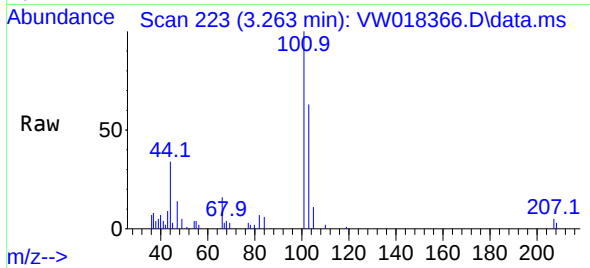
#7
 Trichlorofluoromethane
 Concen: 3.63 ug/l
 RT: 3.263 min Scan# 223
 Delta R.T. 0.006 min
 Lab File: VW018366.D
 Acq: 18 Mar 2021 12:37

Tgt Ion:101 Resp: 10321
 Ion Ratio Lower Upper
 101 100
 103 62.9 47.6 71.4

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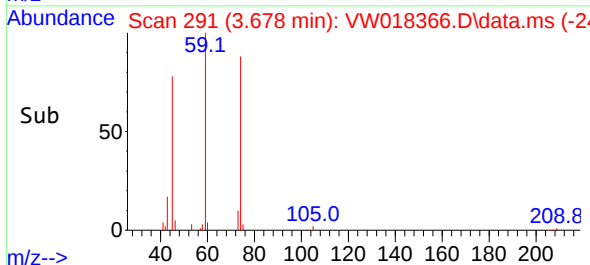
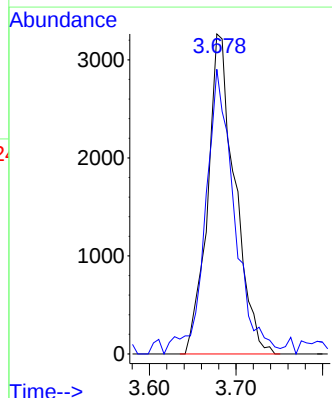
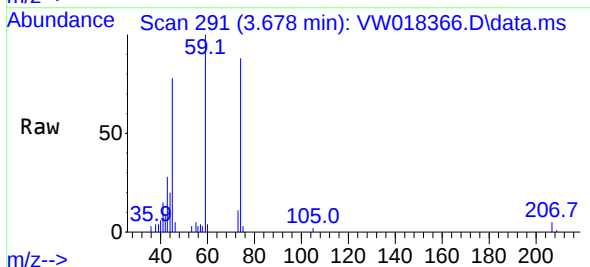
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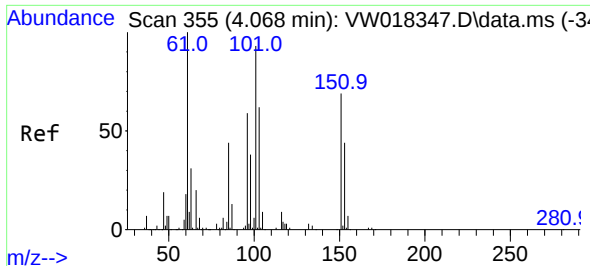
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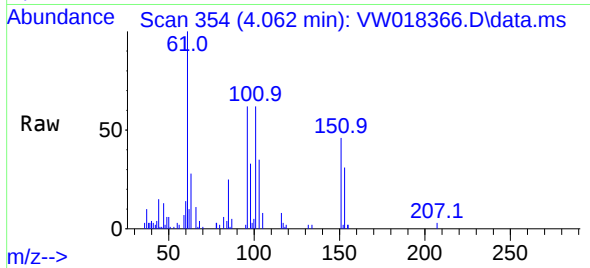
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 Diethyl Ether
 Concen: 4.17 ug/l
 RT: 3.678 min Scan# 291
 Delta R.T. -0.000 min
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Tgt Ion: 74 Resp: 7147
 Ion Ratio Lower Upper
 74 100
 45 94.1 38.4 115.1

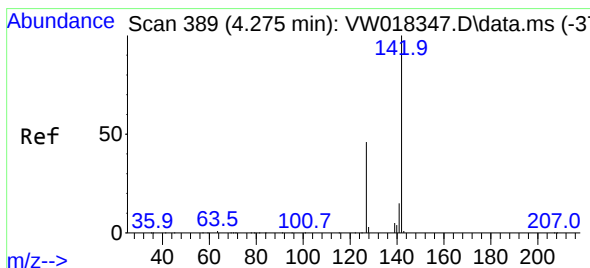
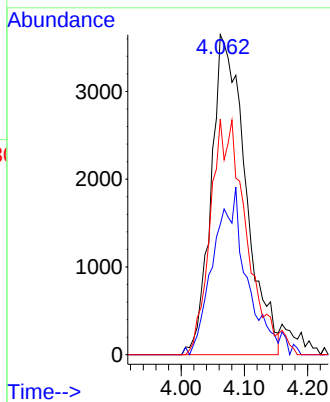
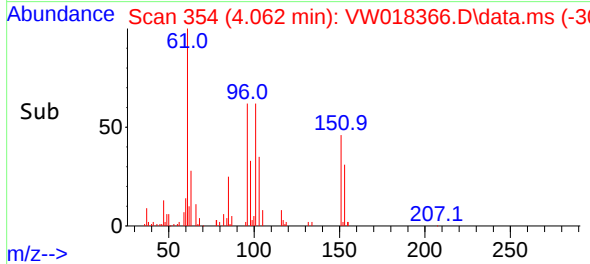




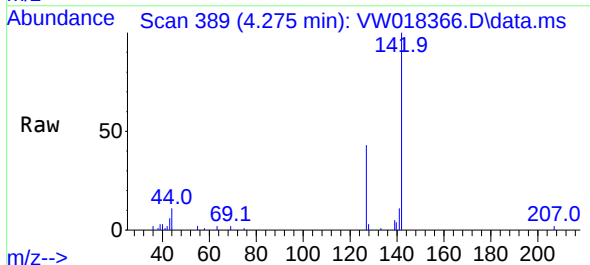
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.29 ug/l
RT: 4.062 min Scan# 354
Delta R.T. -0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



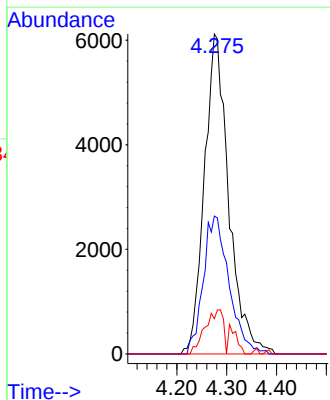
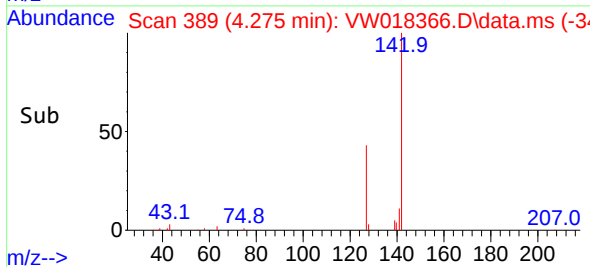
Tgt Ion:101 Resp: 13783
Ion Ratio Lower Upper
101 100
85 0.0 36.2 54.4#
151 77.6 61.0 91.6



#10
Methyl Iodide
Concen: 4.39 ug/l
RT: 4.275 min Scan# 389
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



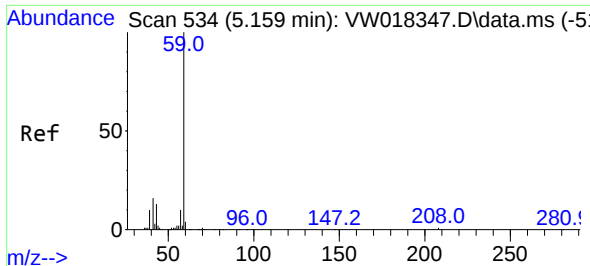
Tgt Ion:142 Resp: 20742
Ion Ratio Lower Upper
142 100
127 45.6 39.8 59.6
141 10.3 11.8 17.6#



Instrument :
MSVOA_W
ClientSampleId :
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#11

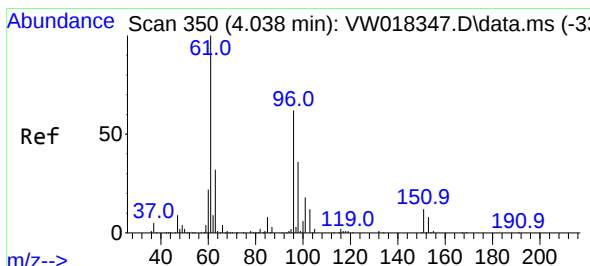
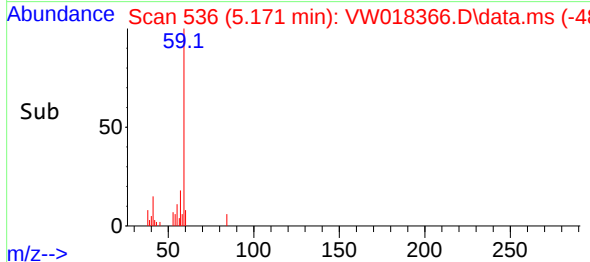
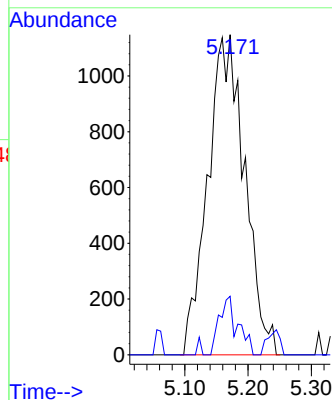
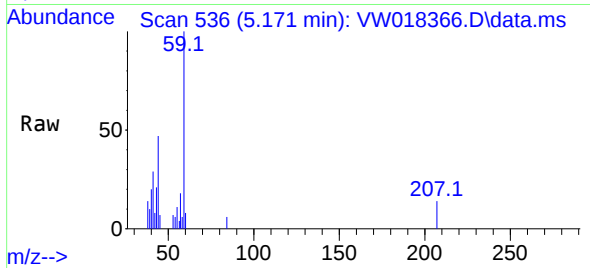
Tert butyl alcohol
Concen: 20.82 ug/l
RT: 5.171 min Scan# 536
Delta R.T. 0.012 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 59 Resp: 4653
Ion Ratio Lower Upper
59 100
57 9.1 8.4 12.6

Instrument :
MSVOA_W
ClientSampleId :
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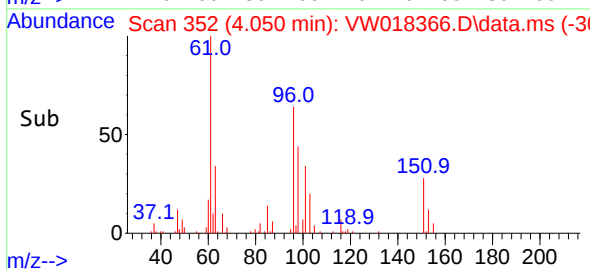
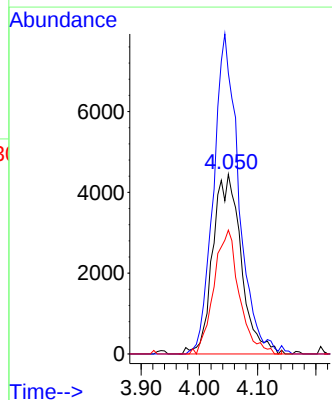
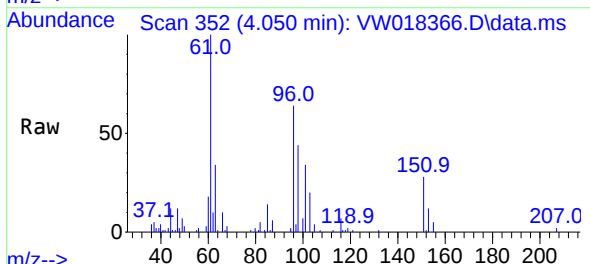
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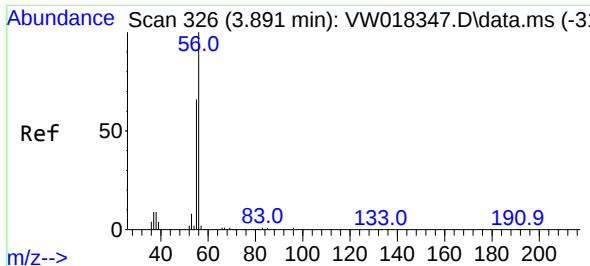


#12

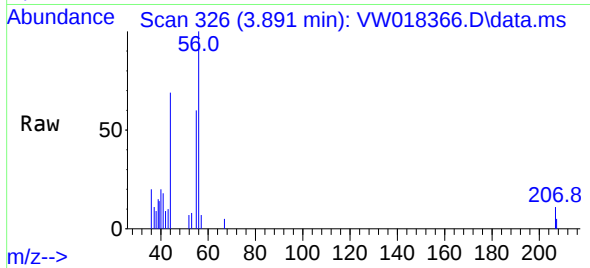
1,1-Dichloroethene
Concen: 4.56 ug/l m
RT: 4.050 min Scan# 352
Delta R.T. 0.012 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 96 Resp: 15063
Ion Ratio Lower Upper
96 100
61 156.2 125.4 188.0
98 68.9 50.6 76.0

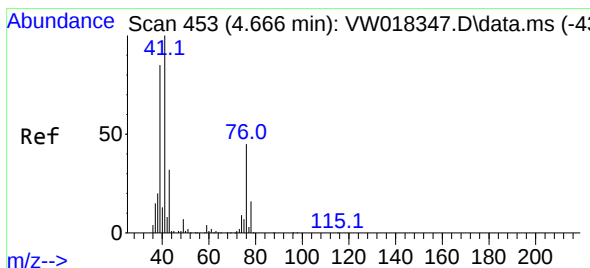
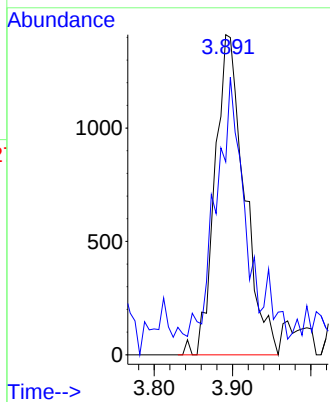
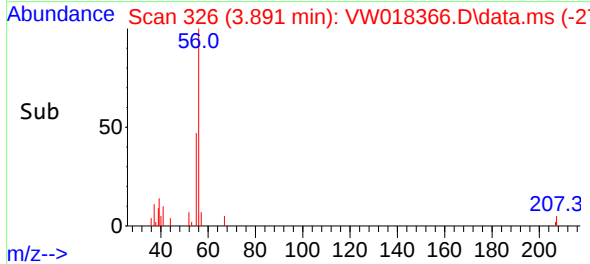




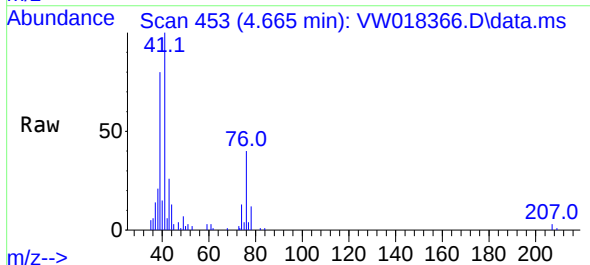
#13
Acrolein
Concen: 21.54 ug/l
RT: 3.891 min Scan# 326
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



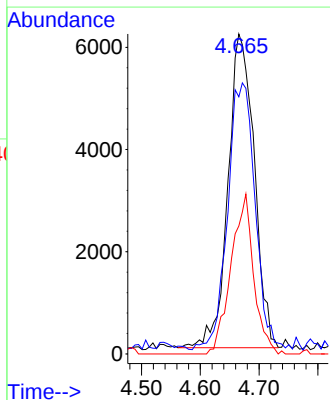
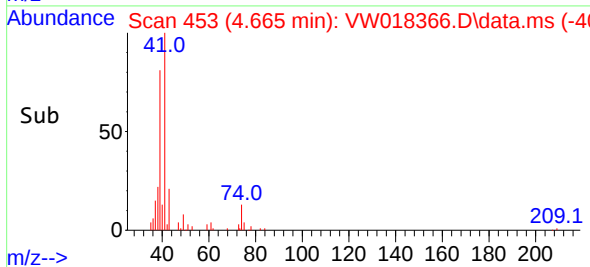
Tgt Ion: 56 Resp: 3677
Ion Ratio Lower Upper
56 100
55 74.2 56.8 85.2



#14
Allyl chloride
Concen: 4.22 ug/l
RT: 4.665 min Scan# 453
Delta R.T. -0.001 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



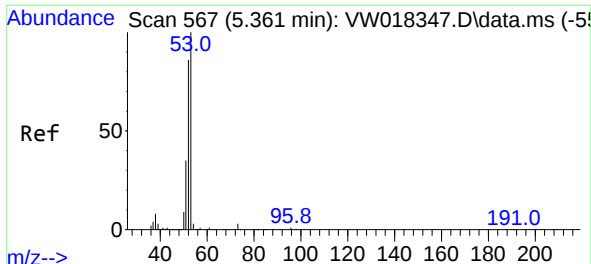
Tgt Ion: 41 Resp: 19017
Ion Ratio Lower Upper
41 100
39 89.1 64.6 96.8
76 44.1 37.9 56.9



Instrument :
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ClientSampleId :
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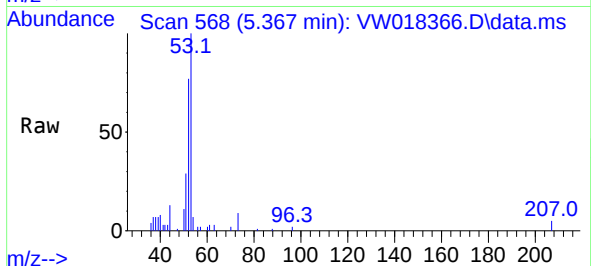
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#15
Acrylonitrile
Concen: 21.20 ug/l
RT: 5.367 min Scan# 568
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

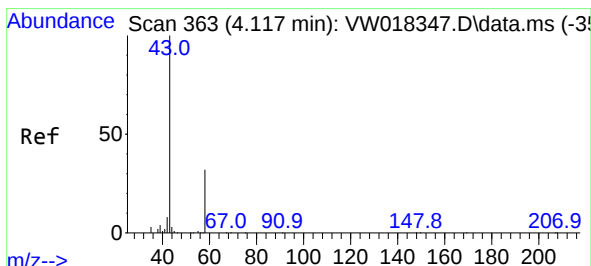
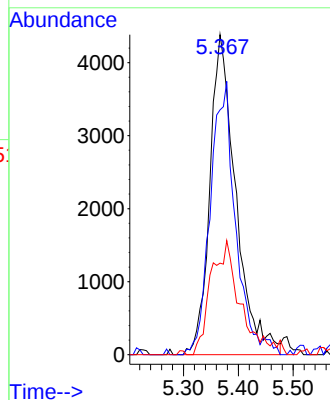
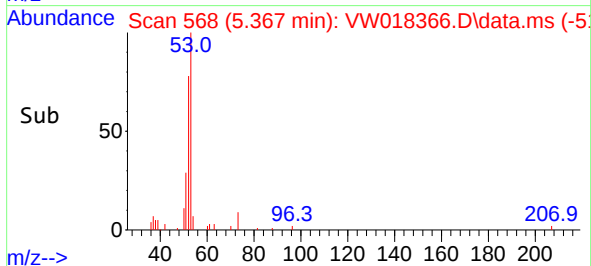
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021



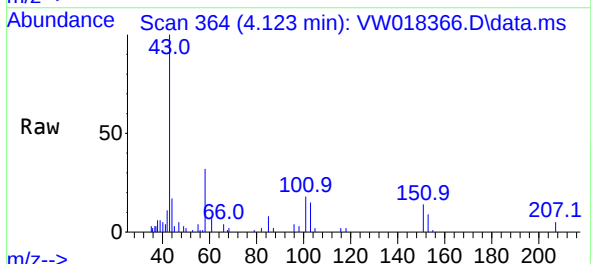
Tgt Ion: 53 Resp: 14401
Ion Ratio Lower Upper
53 100
52 81.1 66.6 99.8
51 39.3 30.5 45.7

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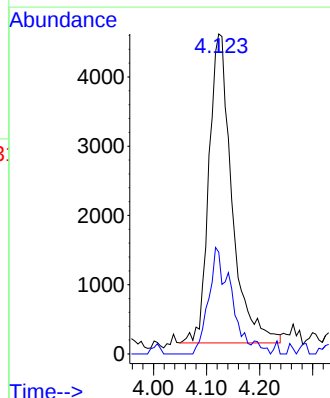
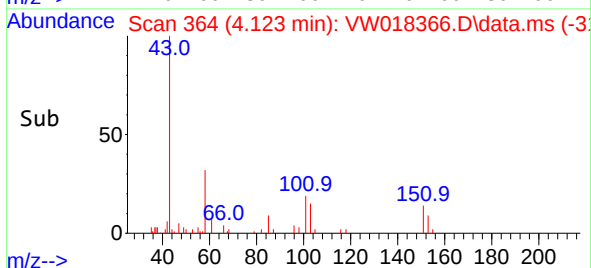
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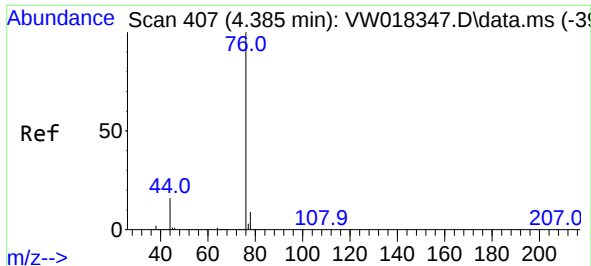


#16
Acetone
Concen: 24.52 ug/l
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



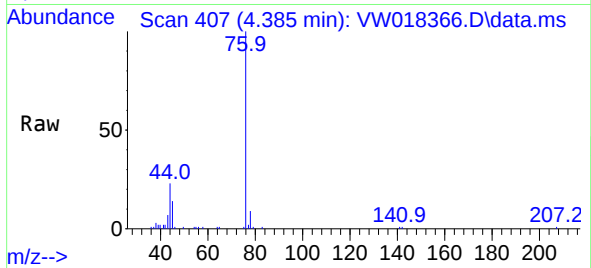
Tgt Ion: 43 Resp: 13463
Ion Ratio Lower Upper
43 100
58 32.9 26.9 40.3





#17
Carbon Disulfide
Concen: 4.19 ug/l
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

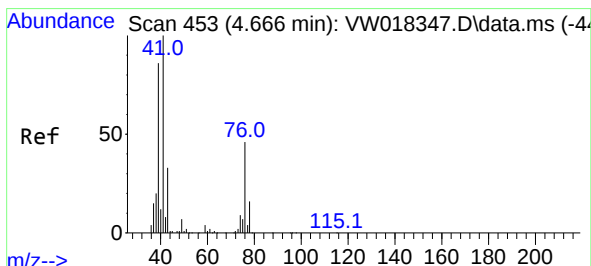
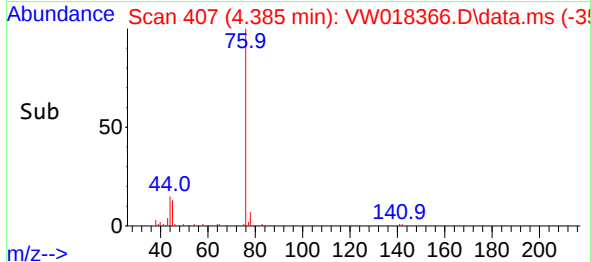
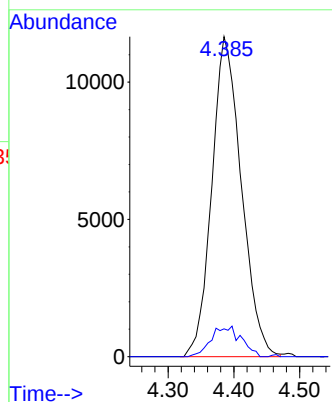
Instrument :
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ClientSampleId :
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Tgt Ion: 76 Resp: 36385
Ion Ratio Lower Upper
76 100
78 8.7 7.8 11.6

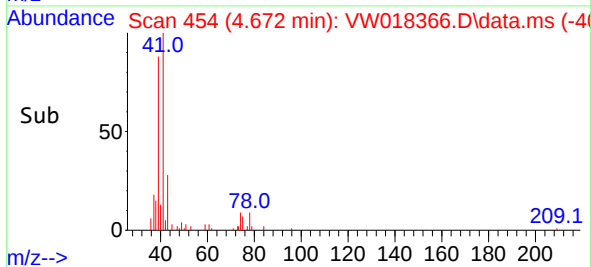
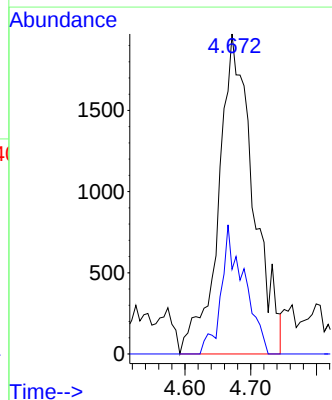
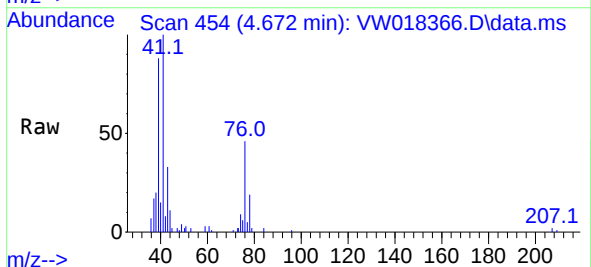
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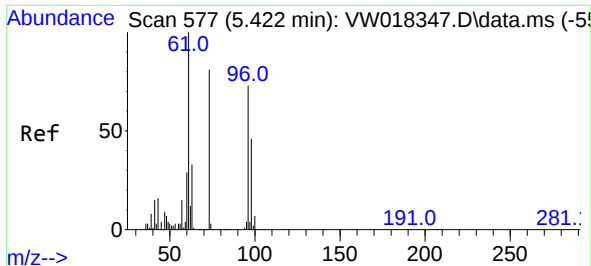
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#18
Methyl Acetate
Concen: 5.02 ug/l
RT: 4.672 min Scan# 454
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 43 Resp: 7234
Ion Ratio Lower Upper
43 100
74 26.8 23.9 35.9





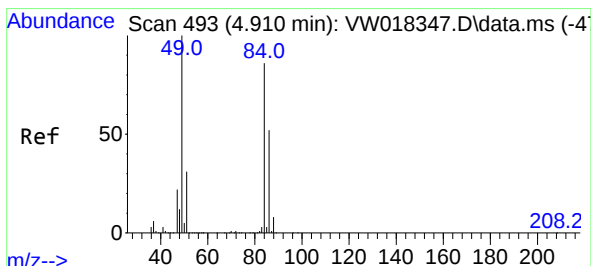
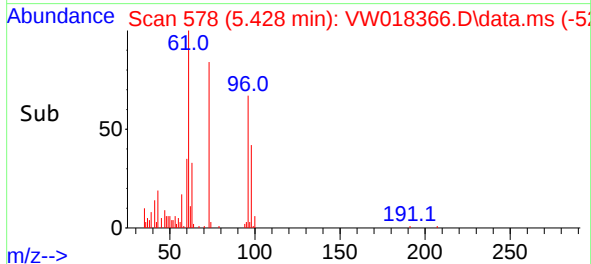
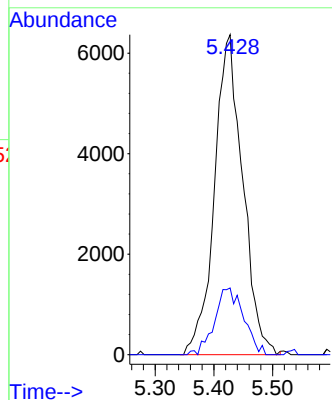
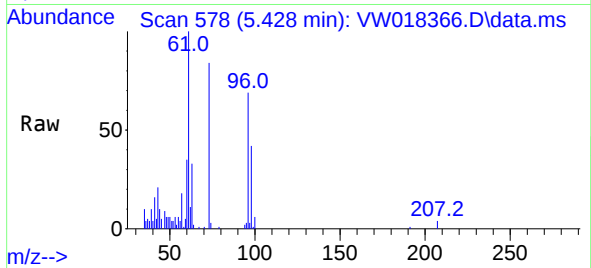
#19
Methyl tert-butyl Ether
Concen: 4.28 ug/l
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 73 Resp: 21252
Ion Ratio Lower Upper
73 100
57 20.9 15.6 23.4

Instrument :
MSVOA_W
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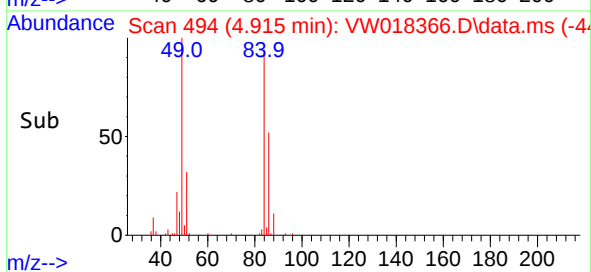
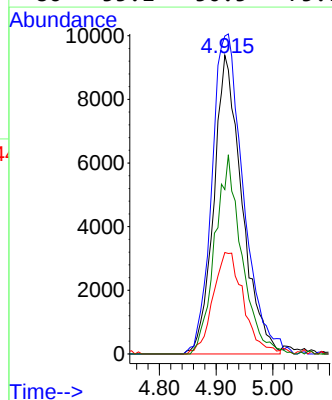
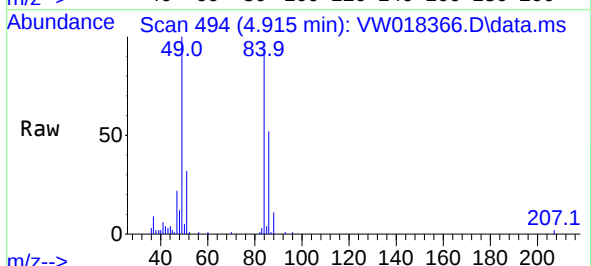
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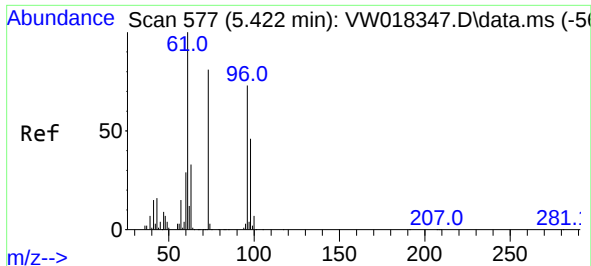
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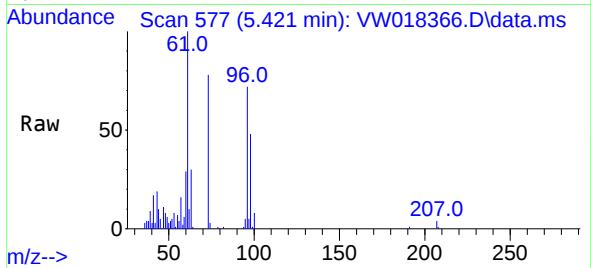
#20
Methylene Chloride
Concen: 7.75 ug/l
RT: 4.915 min Scan# 494
Delta R.T. 0.005 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 84 Resp: 32332
Ion Ratio Lower Upper
84 100
49 106.5 85.1 127.7
51 34.0 27.4 41.0
86 55.1 50.5 75.7



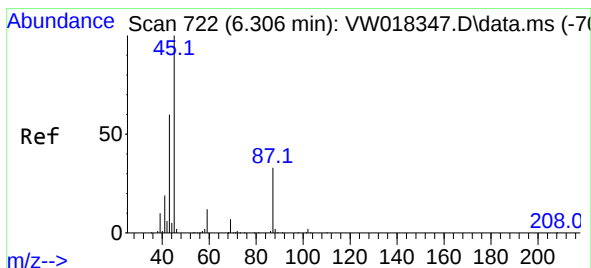
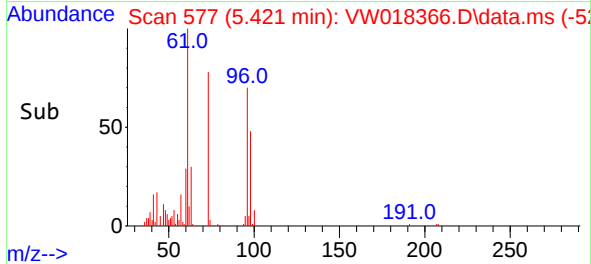
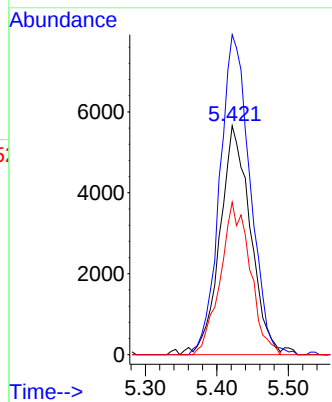


#21
trans-1,2-Dichloroethene
Concen: 4.27 ug/l
RT: 5.421 min Scan# 577
Delta R.T. -0.001 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

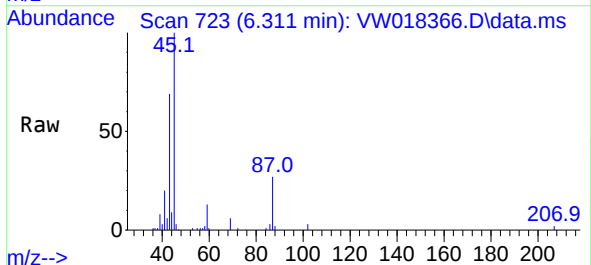


Tgt Ion: 96 Resp: 16621

Ion	Ratio	Lower	Upper
96	100		
61	139.7	99.2	148.8
98	66.6	48.2	72.4

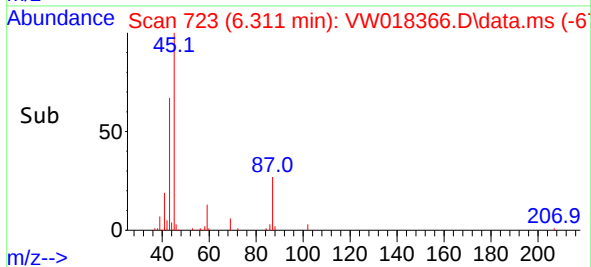
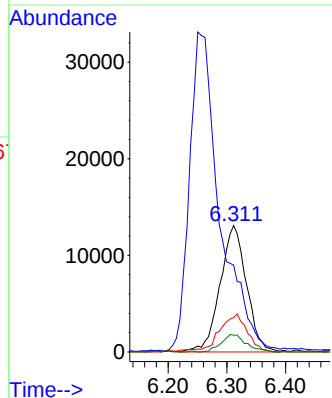


#22
Diisopropyl ether
Concen: 4.41 ug/l
RT: 6.311 min Scan# 723
Delta R.T. 0.005 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



Tgt Ion: 45 Resp: 40821

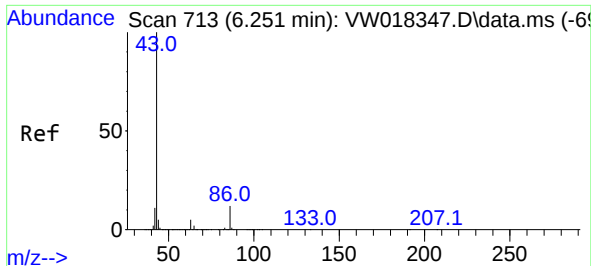
Ion	Ratio	Lower	Upper
45	100		
43	66.5	47.8	71.8
87	27.1	27.8	41.8#
59	13.3	10.3	15.5



Instrument :
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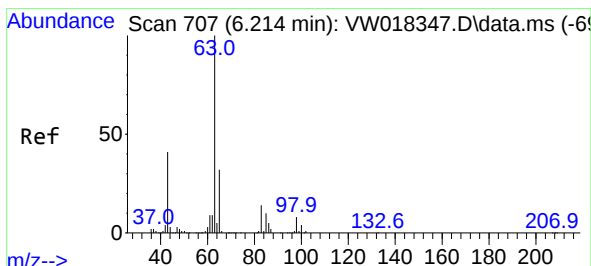
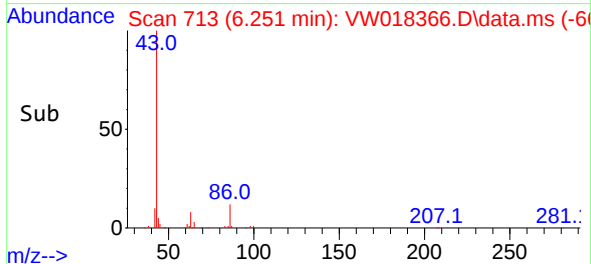
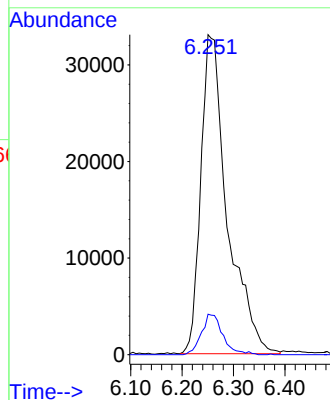
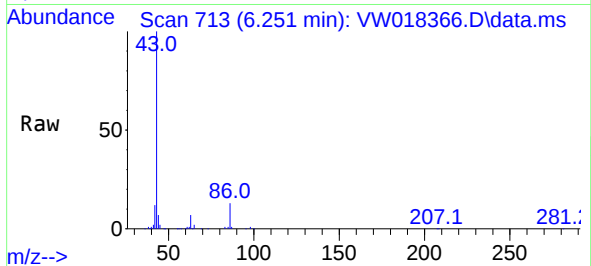
#23
 Vinyl Acetate
 Concen: 20.63 ug/l
 RT: 6.251 min Scan# 713
 Delta R.T. -0.000 min
 Lab File: VW018366.D
 Acq: 18 Mar 2021 12:37

Tgt Ion: 43 Resp: 118082
 Ion Ratio Lower Upper
 43 100
 86 12.7 11.0 16.6

Instrument :
 MSVOA_W
 ClientSampleId :
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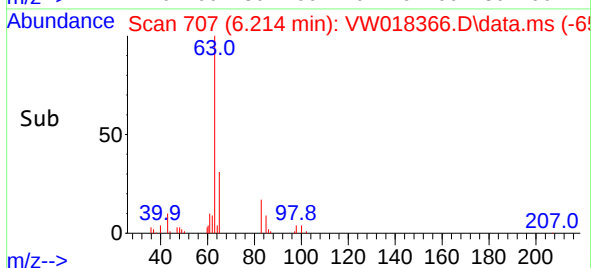
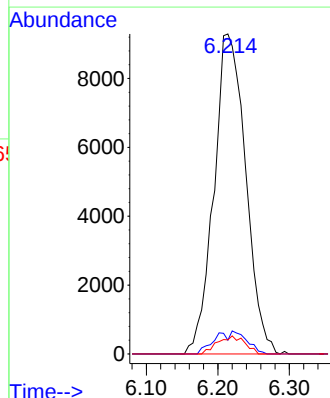
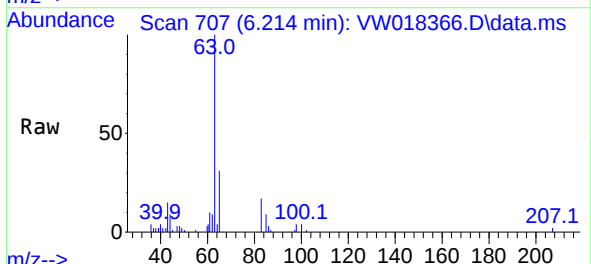
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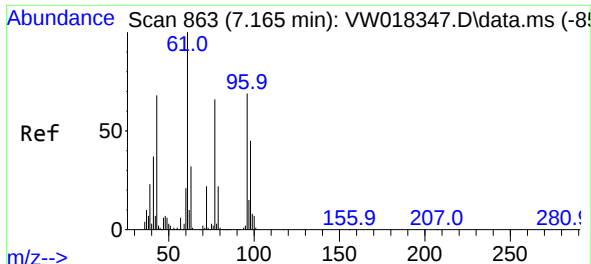
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#24
 1,1-Dichloroethane
 Concen: 4.32 ug/l
 RT: 6.214 min Scan# 707
 Delta R.T. -0.000 min
 Lab File: VW018366.D
 Acq: 18 Mar 2021 12:37

Tgt Ion: 63 Resp: 28691
 Ion Ratio Lower Upper
 63 100
 98 4.3 3.5 10.6
 100 4.4 2.2 6.6





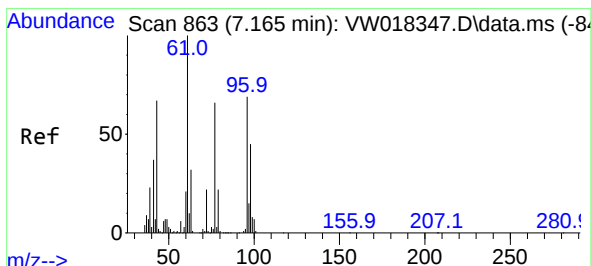
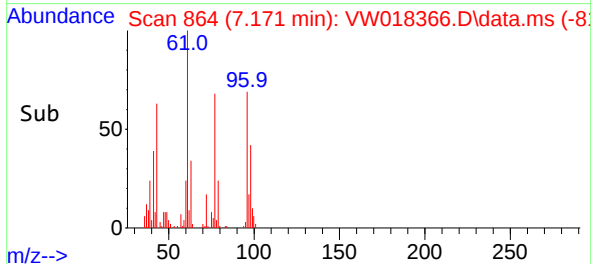
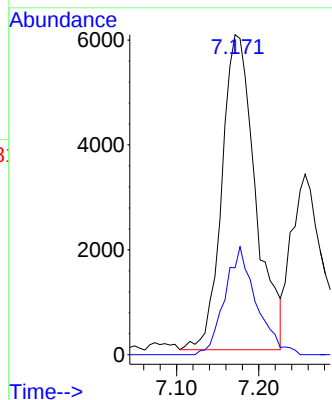
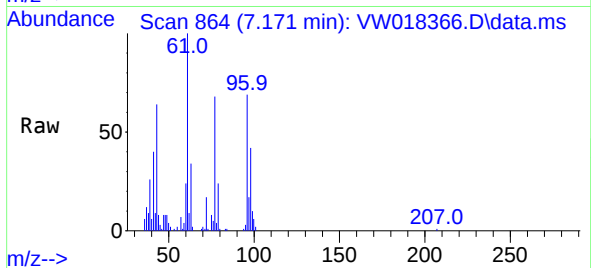
#25
2-Butanone
Concen: 21.01 ug/l
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 43 Resp: 17087
Ion Ratio Lower Upper
43 100
72 27.6 26.6 39.8

Instrument :
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ClientSampleId :
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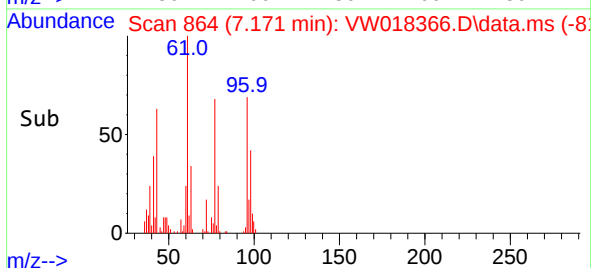
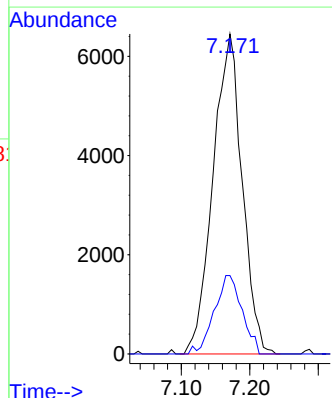
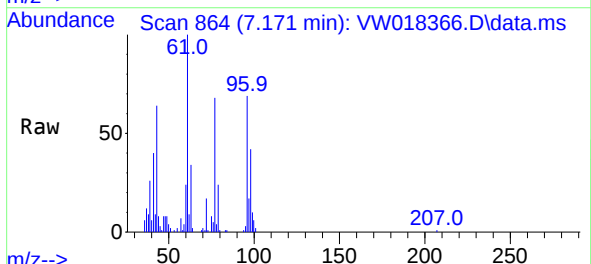
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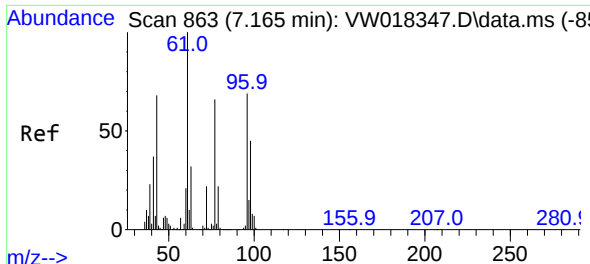
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#26
2,2-Dichloropropane
Concen: 4.46 ug/l
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

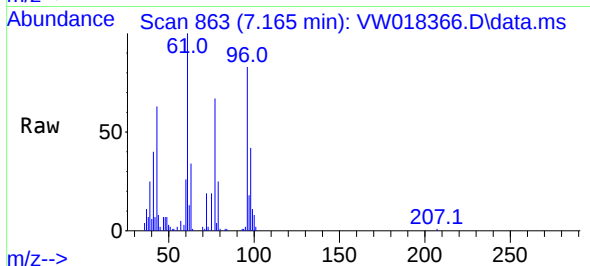
Tgt Ion: 77 Resp: 19033
Ion Ratio Lower Upper
77 100
97 23.2 11.3 33.8





#27
 cis-1,2-Dichloroethene
 Concen: 4.38 ug/l
 RT: 7.165 min Scan# 863
 Delta R.T. -0.000 min
 Lab File: VW018366.D
 Acq: 18 Mar 2021 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT1-2021

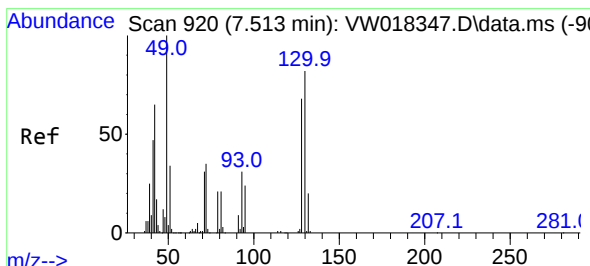
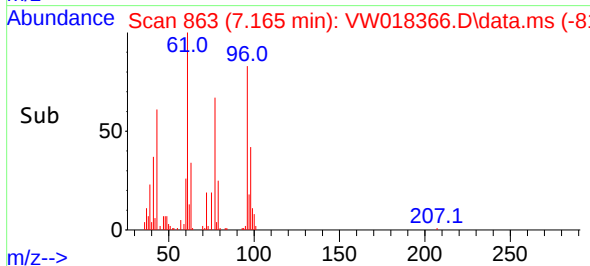
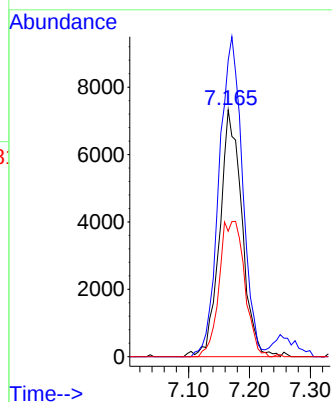


Tgt Ion: 96 Resp: 18567

Ion	Ratio	Lower	Upper
96	100		
61	136.2	0.0	261.4
98	62.8	0.0	129.8

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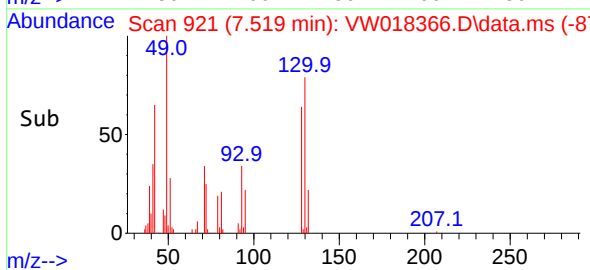
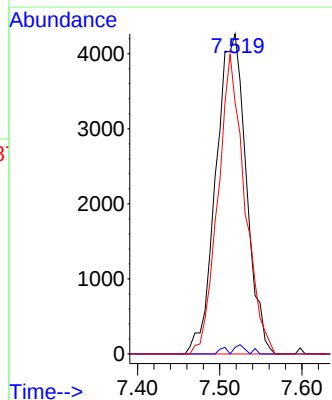
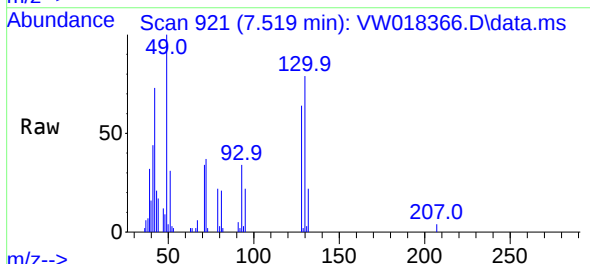
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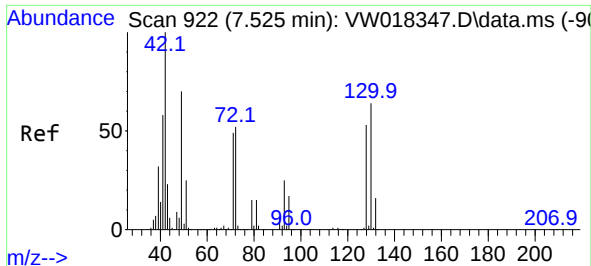


#28
 Bromochloromethane
 Concen: 4.20 ug/l
 RT: 7.519 min Scan# 921
 Delta R.T. 0.006 min
 Lab File: VW018366.D
 Acq: 18 Mar 2021 12:37

Tgt Ion: 49 Resp: 10892

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	5.0
130	0.0	73.9	110.9#





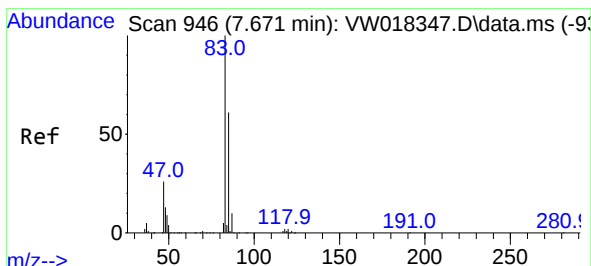
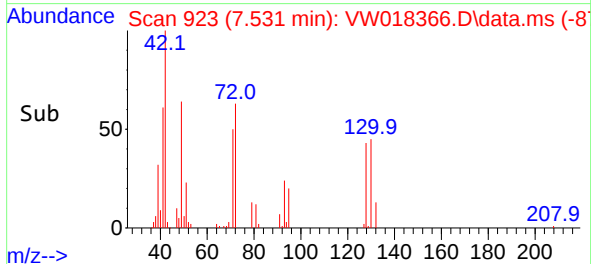
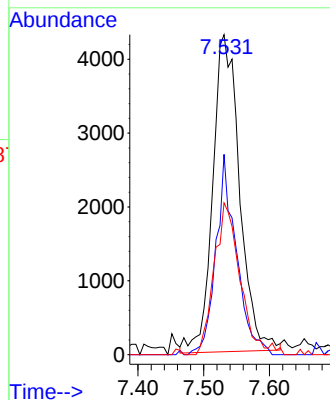
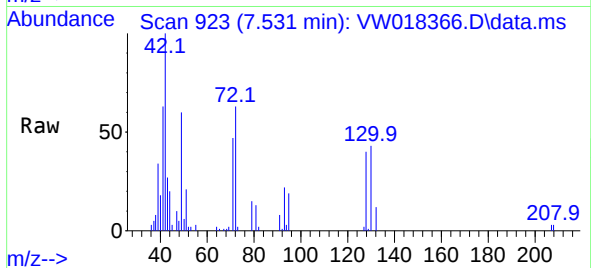
#29
Tetrahydrofuran
Concen: 23.17 ug/l
RT: 7.531 min Scan# 923
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 42 Resp: 12230
Ion Ratio Lower Upper
42 100
72 48.1 44.5 66.7
71 45.3 41.7 62.5

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

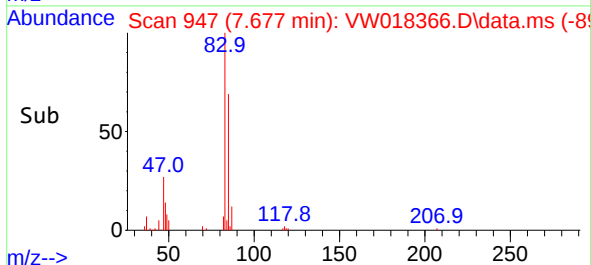
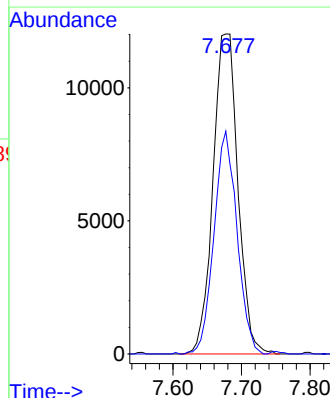
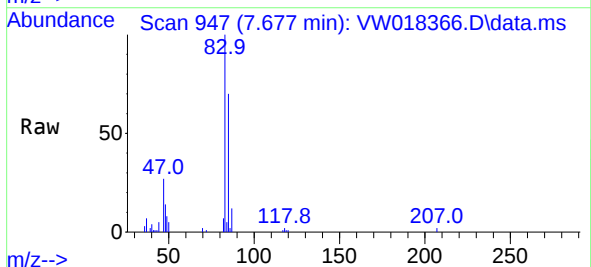
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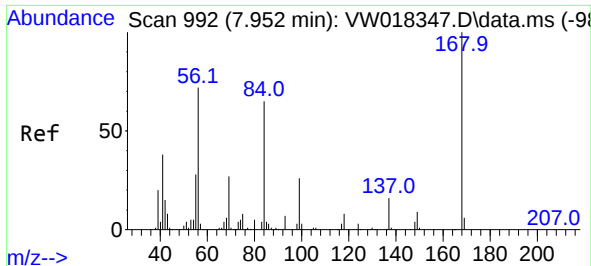
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#30
Chloroform
Concen: 4.35 ug/l
RT: 7.677 min Scan# 947
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

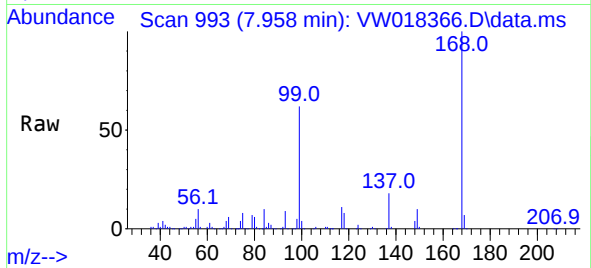
Tgt Ion: 83 Resp: 30404
Ion Ratio Lower Upper
83 100
85 69.6 52.6 78.8





#31
Cyclohexane
Concen: 5.24 ug/l
RT: 7.958 min Scan# 993
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

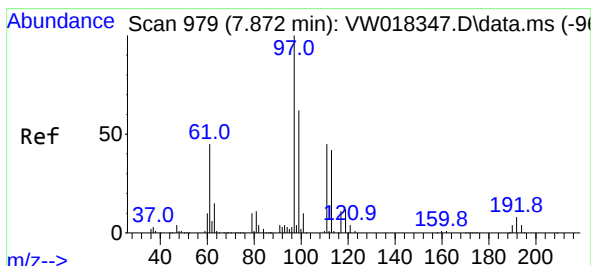
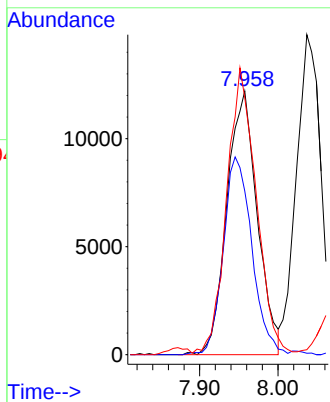
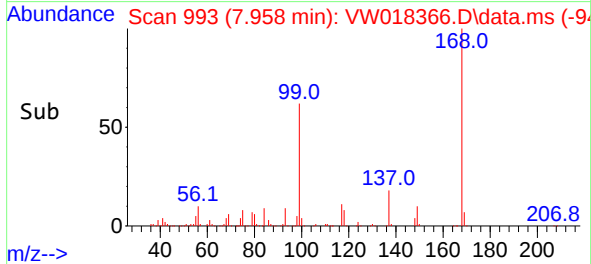
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021



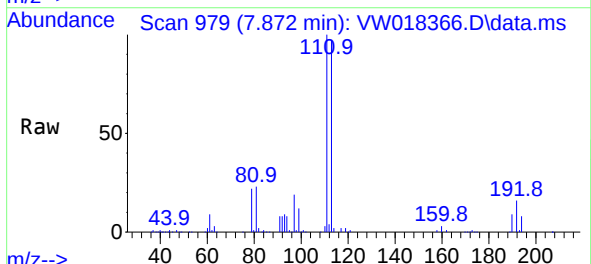
Tgt Ion: 56 Resp: 32927
Ion Ratio Lower Upper
56 100
69 62.1 29.9 44.9#
84 94.8 83.8 125.6

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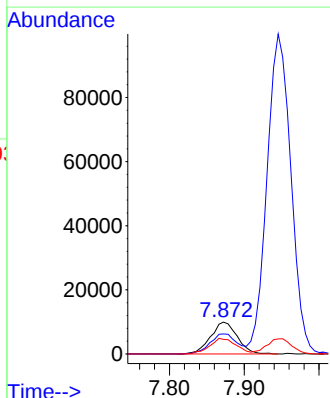
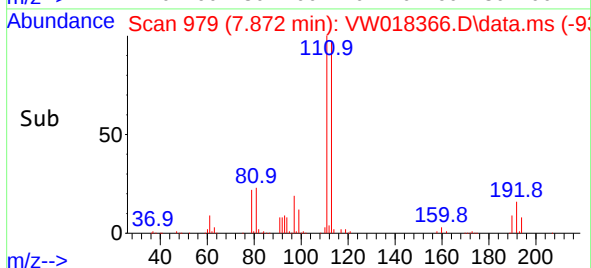
MMDadoda
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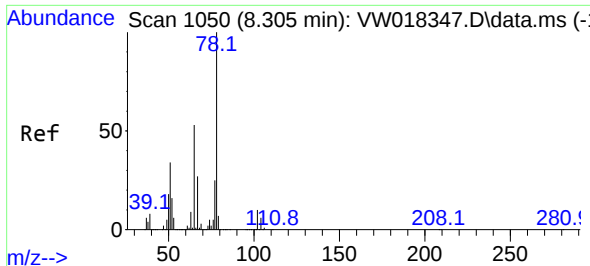


#32
1,1,1-Trichloroethane
Concen: 4.33 ug/l
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



Tgt Ion: 97 Resp: 24612
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.6
61 48.5 34.6 52.0





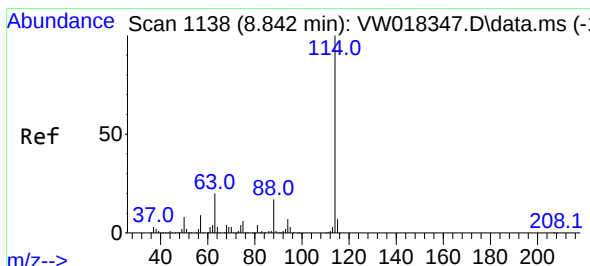
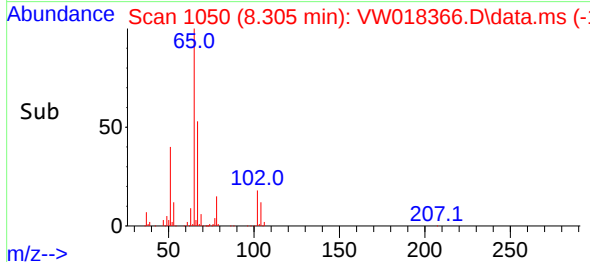
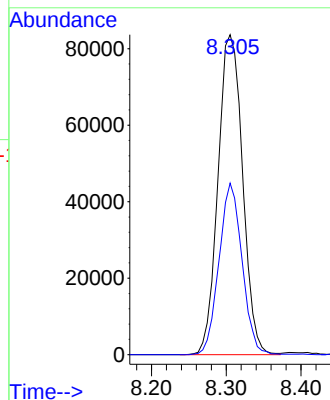
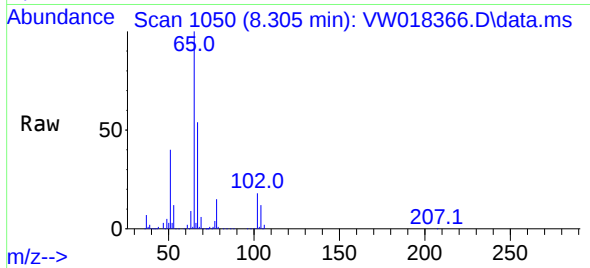
#33
1,2-Dichloroethane-d4
Concen: 52.20 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 65 Resp: 191707
Ion Ratio Lower Upper
65 100
67 50.3 0.0 96.6

Instrument :
MSVOA_W
ClientSampleId :
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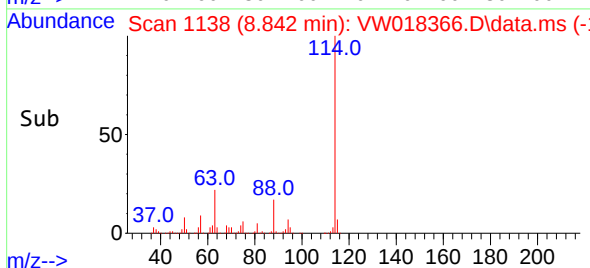
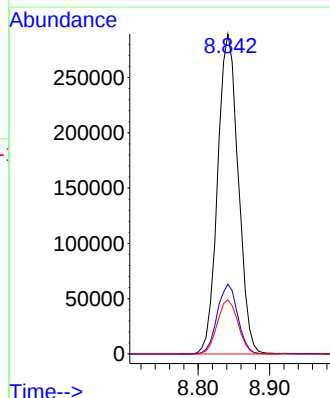
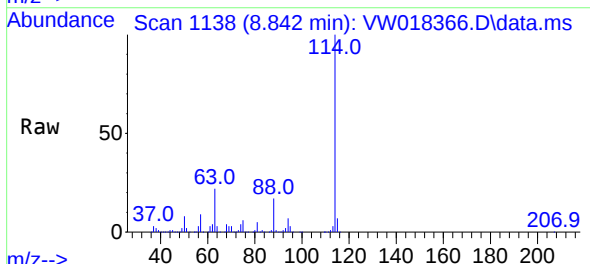
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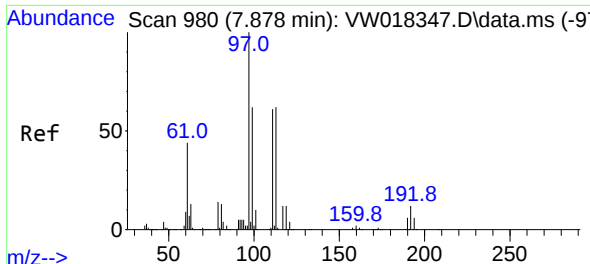
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#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

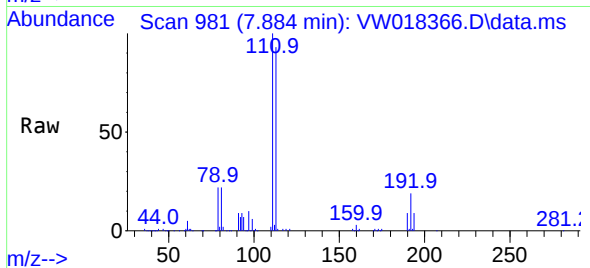
Tgt Ion: 114 Resp: 577718
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.4
88 16.9 0.0 32.0





#35
Dibromofluoromethane
Concen: 48.44 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

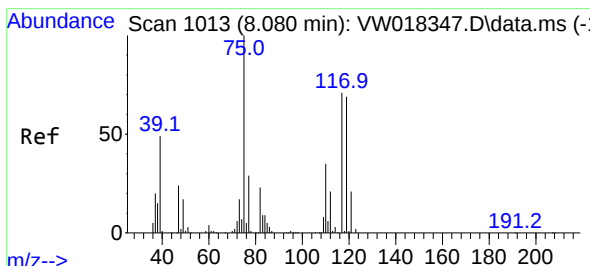
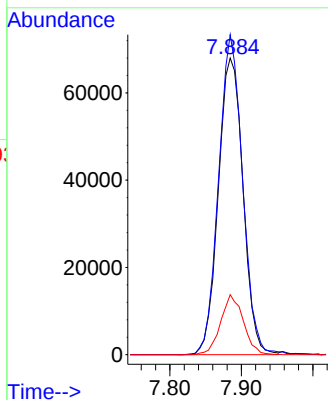
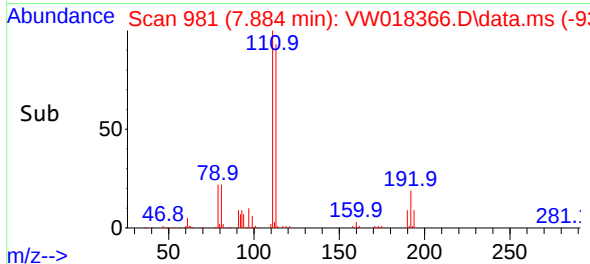
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021



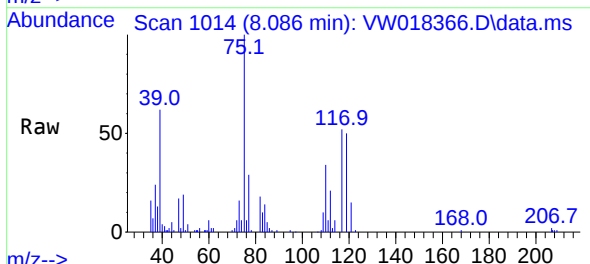
Tgt Ion:113 Resp: 163076
Ion Ratio Lower Upper
113 100
111 104.9 83.6 125.4
192 18.6 13.8 20.8

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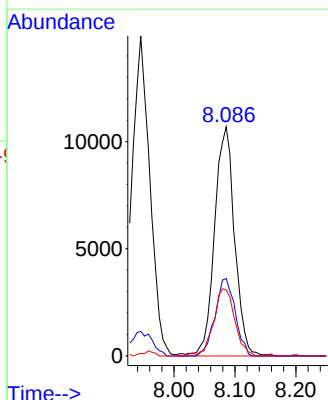
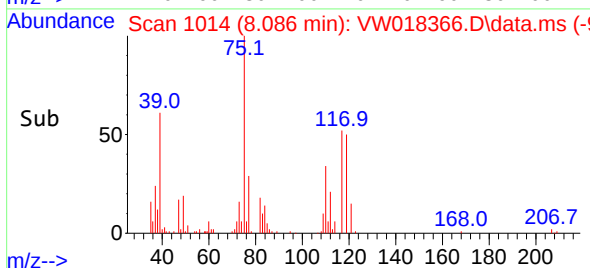
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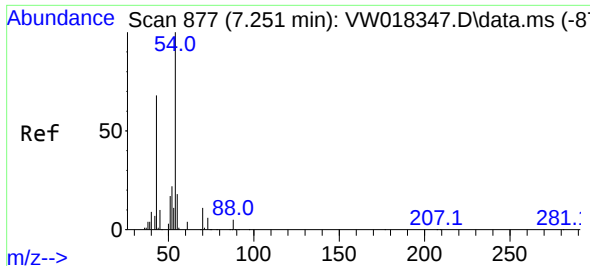


#36
1,1-Dichloropropene
Concen: 4.28 ug/l
RT: 8.086 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

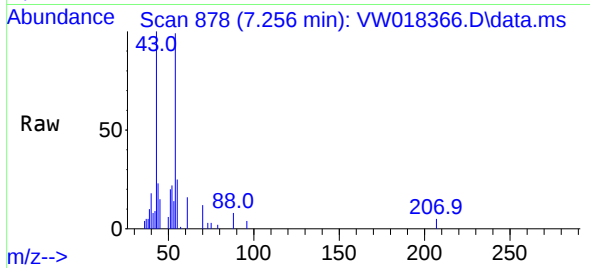


Tgt Ion: 75 Resp: 24417
Ion Ratio Lower Upper
75 100
110 33.9 17.2 51.6
77 31.0 24.6 37.0



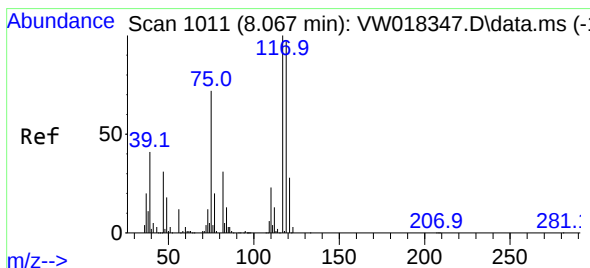
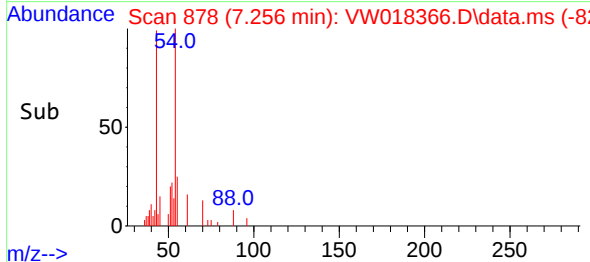
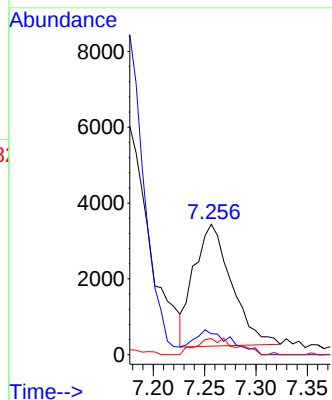


#37
Ethyl Acetate
Concen: 4.09 ug/l
RT: 7.256 min Scan# 878
Delta R.T. 0.005 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

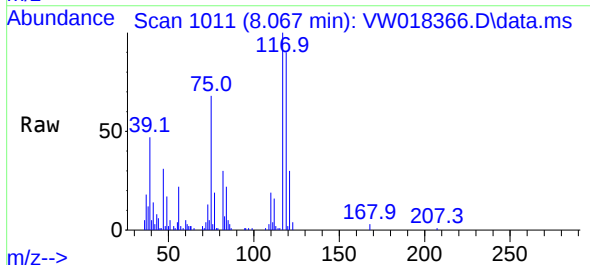


Tgt Ion: 43 Resp: 8169

Ion	Ratio	Lower	Upper
43	100		
61	20.1	12.6	19.0#
70	14.1	9.8	14.6

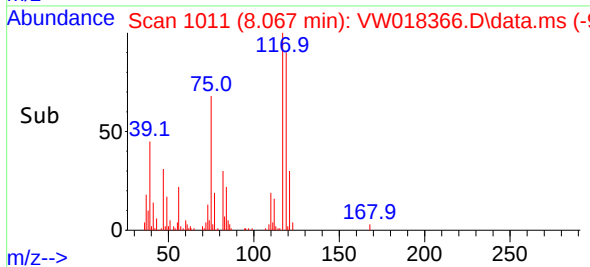
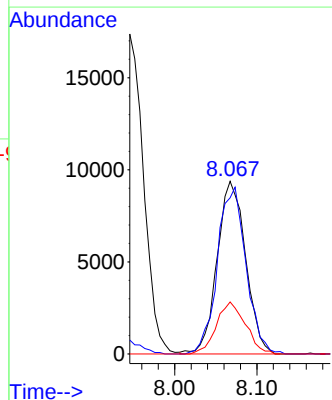


#38
Carbon Tetrachloride
Concen: 4.24 ug/l
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



Tgt Ion: 117 Resp: 22625

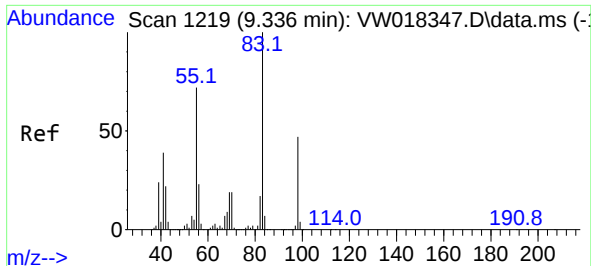
Ion	Ratio	Lower	Upper
117	100		
119	90.5	74.5	111.7
121	30.1	20.3	30.5



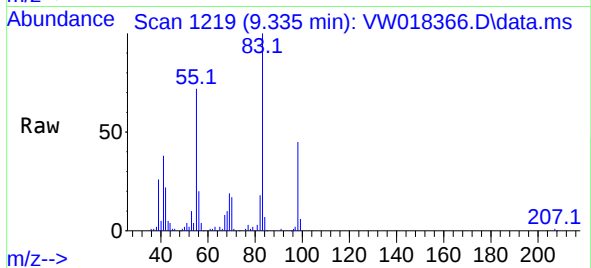
Instrument :
MSVOA_W
ClientSampleId :
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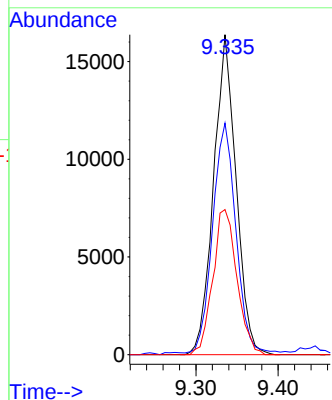


#39
Methylcyclohexane
Concen: 4.30 ug/l
RT: 9.335 min Scan# 1219
Delta R.T. -0.001 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



Tgt Ion: 83 Resp: 31098

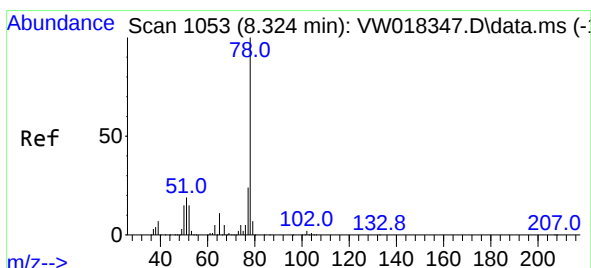
Ion	Ratio	Lower	Upper
83	100		
55	71.7	55.0	82.6
98	45.3	38.6	57.8



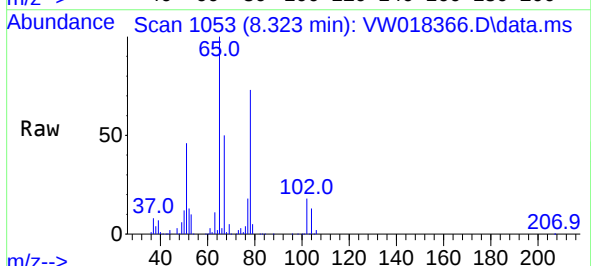
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

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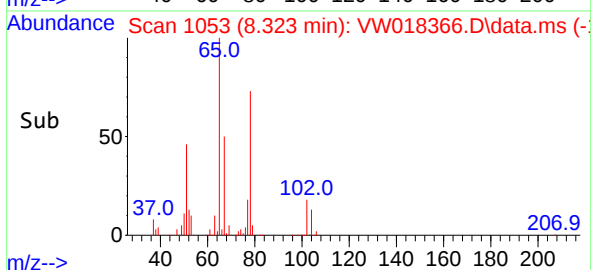
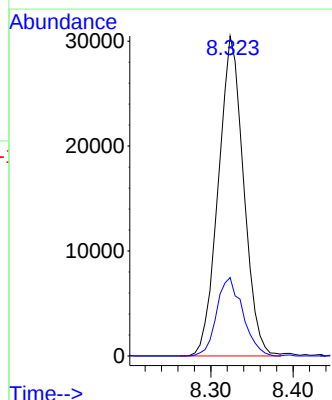


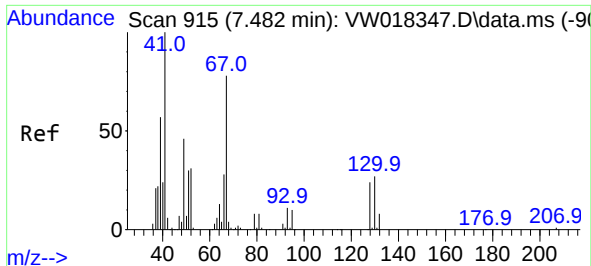
#40
Benzene
Concen: 4.26 ug/l
RT: 8.323 min Scan# 1053
Delta R.T. -0.001 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



Tgt Ion: 78 Resp: 65156

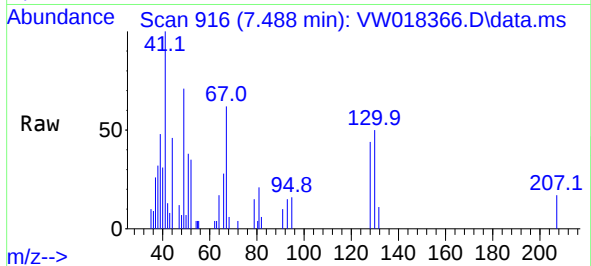
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.5	29.3





#41
Methacrylonitrile
Concen: 4.13 ug/l
RT: 7.488 min Scan# 916
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

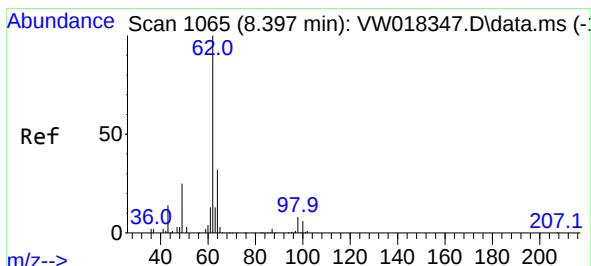
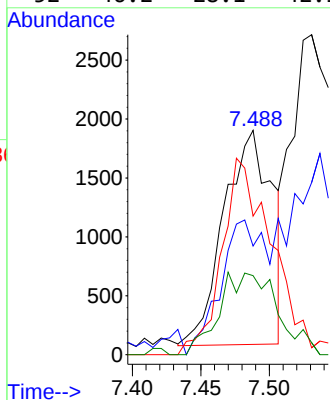
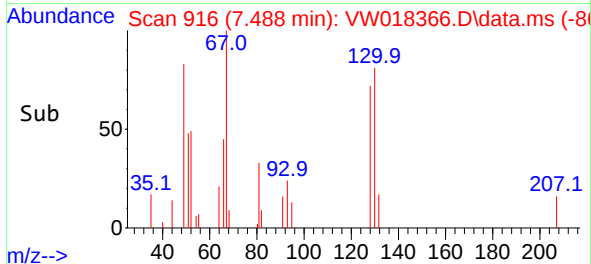
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021



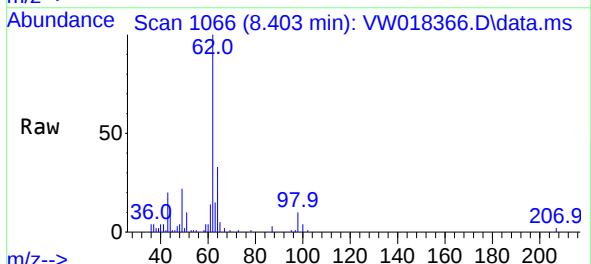
Tgt Ion:	41	Resp:	4464
Ion	Ratio	Lower	Upper
41	100		
39	58.5	44.6	67.0
67	96.7	66.1	99.1
52	46.2	28.1	42.1#

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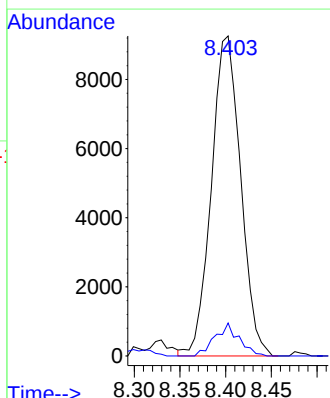
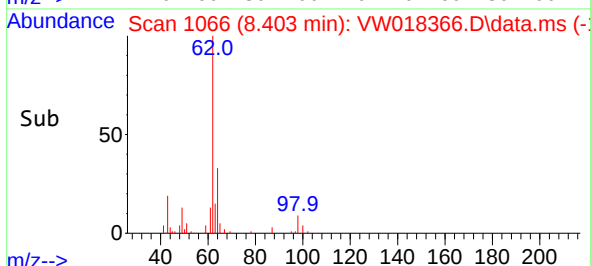
MMDadoda
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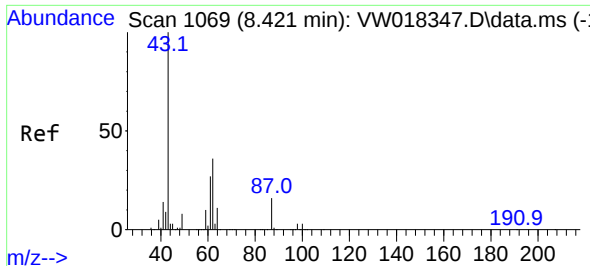


#42
1,2-Dichloroethane
Concen: 4.29 ug/l
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



Tgt Ion:	62	Resp:	20610
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





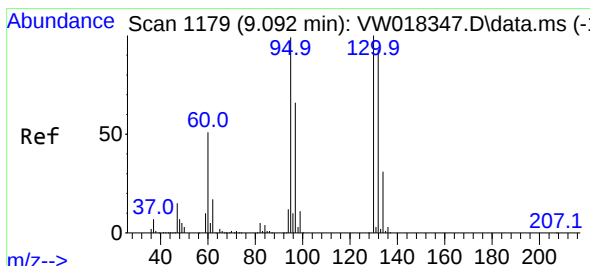
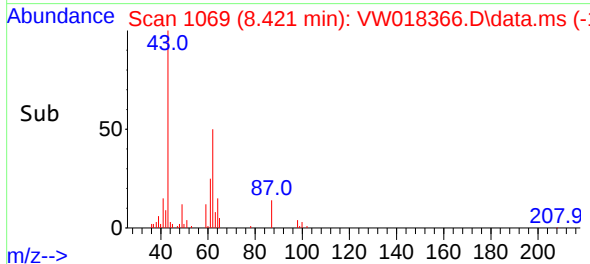
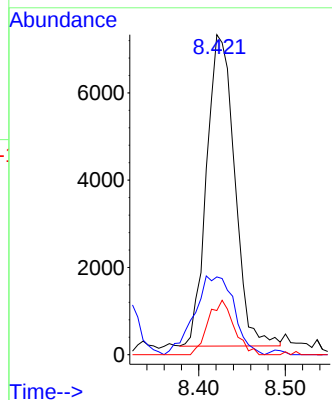
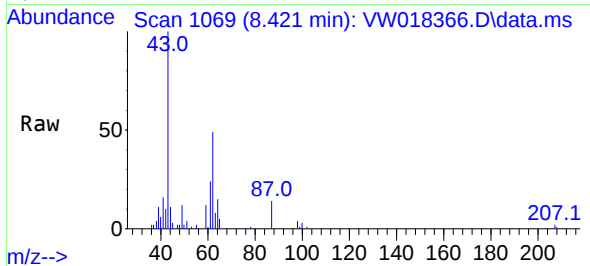
#43
Isopropyl Acetate
Concen: 4.00 ug/l
RT: 8.421 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:	43	Resp:	16040
Ion Ratio	Lower	Upper	
43	100		
61	35.5	29.0	43.4
87	16.1	13.0	19.4

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

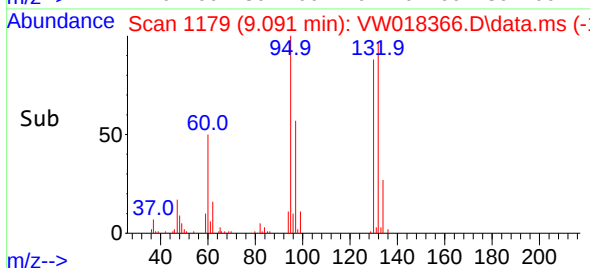
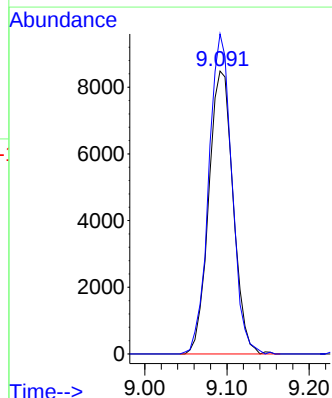
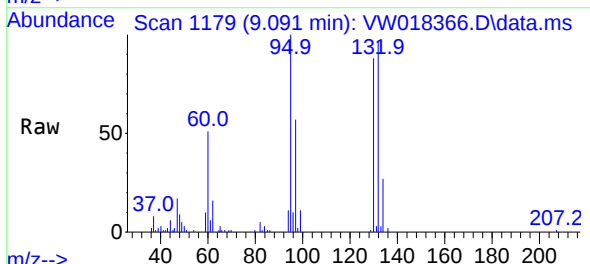
Manual Integrations
APPROVED

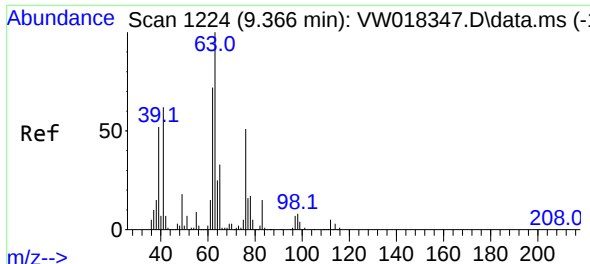
MMDadoda
3/19/2021 3:32:47 PM



#44
Trichloroethene
Concen: 4.24 ug/l
RT: 9.091 min Scan# 1179
Delta R.T. -0.001 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

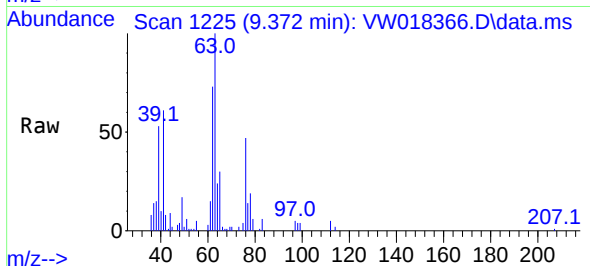
Tgt Ion:	130	Resp:	17461
Ion Ratio	Lower	Upper	
130	100		
95	113.1	0.0	200.6





#45
1,2-Dichloropropane
Concen: 4.16 ug/l
RT: 9.372 min Scan# 1225
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

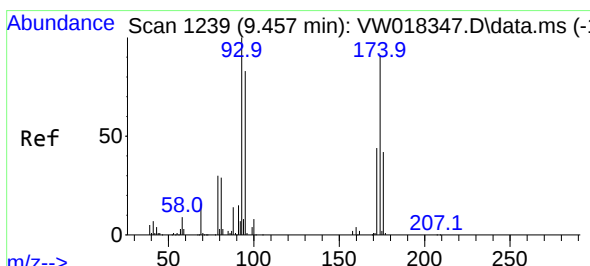
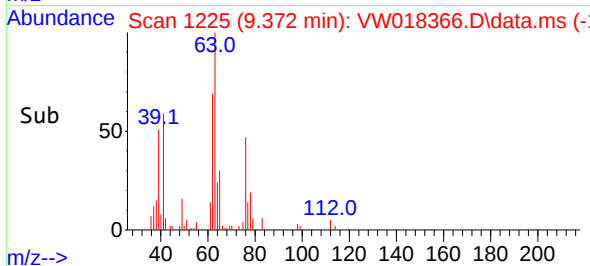
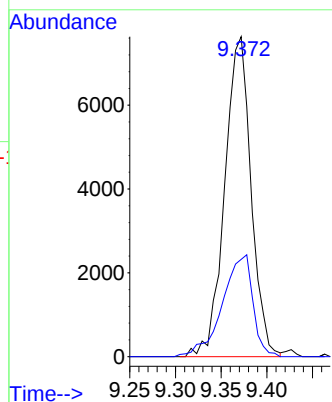
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021



Tgt Ion: 63 Resp: 15349
Ion Ratio Lower Upper
63 100
65 30.4 25.4 38.2

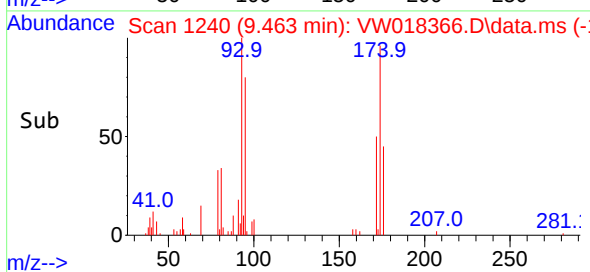
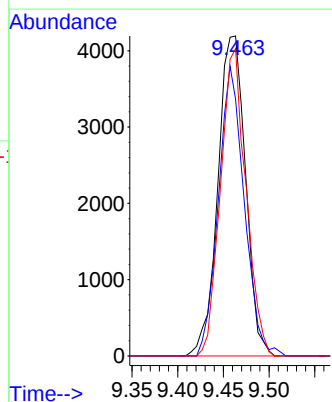
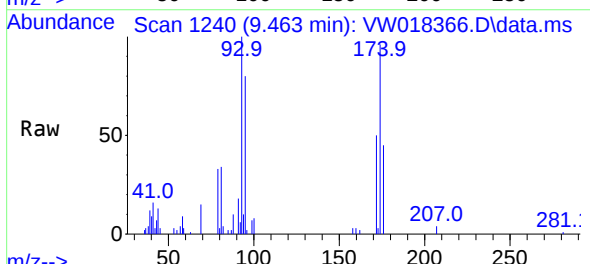
Manual Integrations
APPROVED

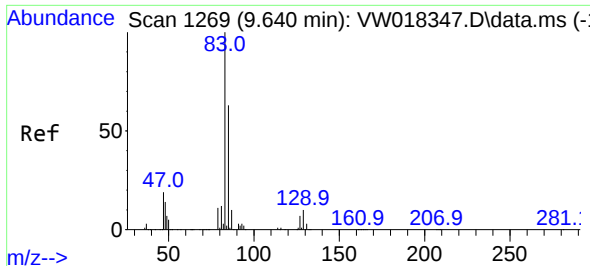
MMDadoda
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#46
Dibromomethane
Concen: 4.27 ug/l
RT: 9.463 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 93 Resp: 8804
Ion Ratio Lower Upper
93 100
95 84.7 66.3 99.5
174 88.6 73.1 109.7





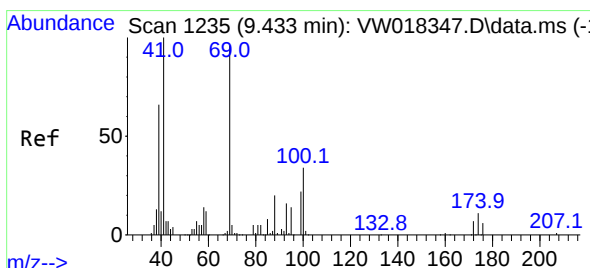
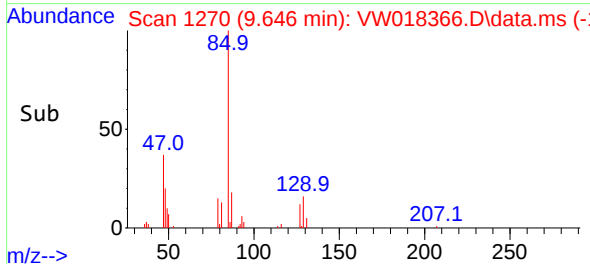
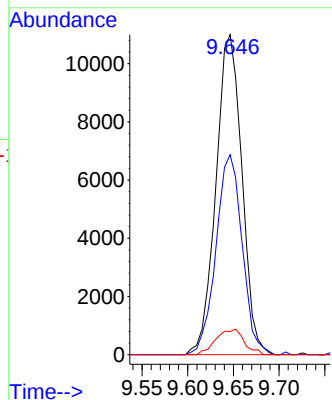
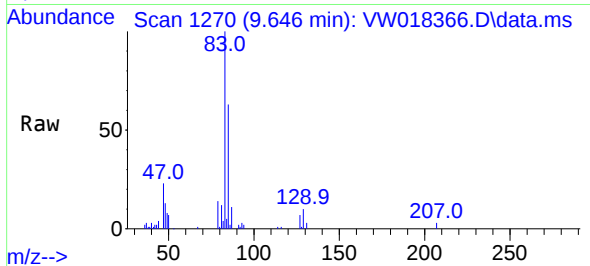
#47
Bromodichloromethane
Concen: 4.05 ug/l
RT: 9.646 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:	83	Resp:	21727
Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.1	79.7
127	7.2	6.3	9.5

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

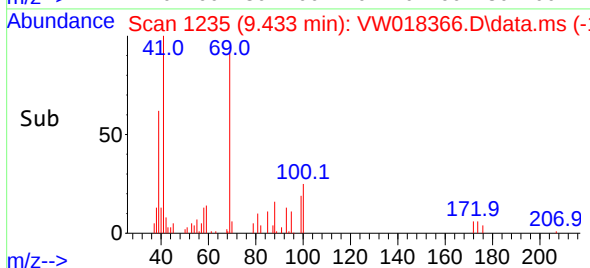
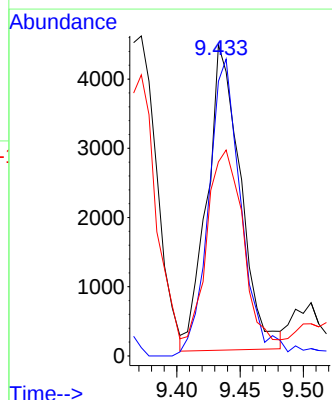
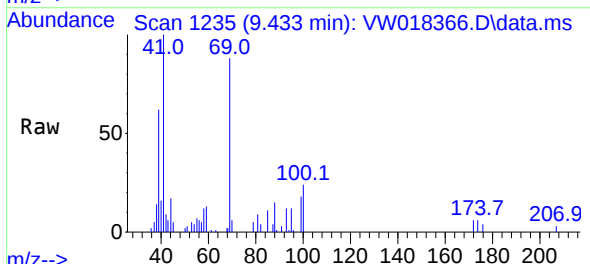
Manual Integrations
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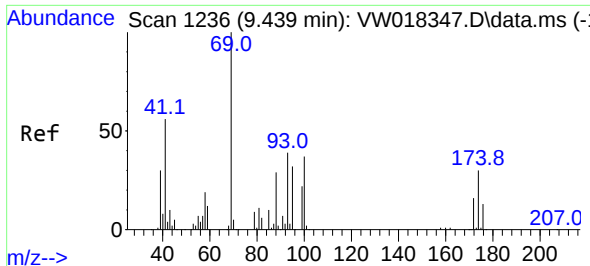
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#48
Methyl methacrylate
Concen: 4.27 ug/l
RT: 9.433 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

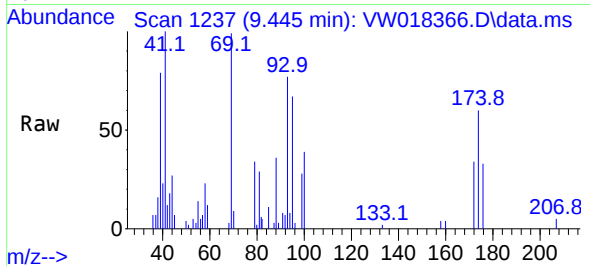
Tgt Ion:	41	Resp:	8122
Ion	Ratio	Lower	Upper
41	100		
69	95.9	82.1	123.1
39	64.9	50.4	75.6





#49
1,4-Dioxane
Concen: 81.12 ug/l
RT: 9.445 min Scan# 1237
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

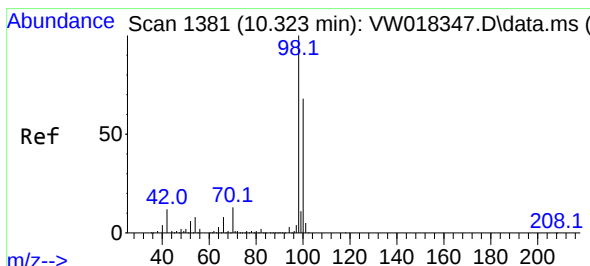
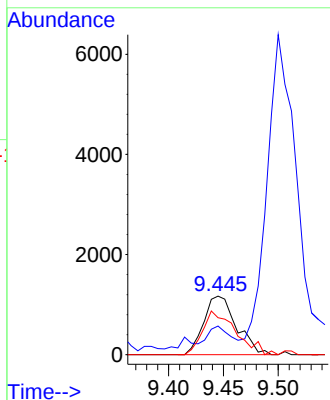
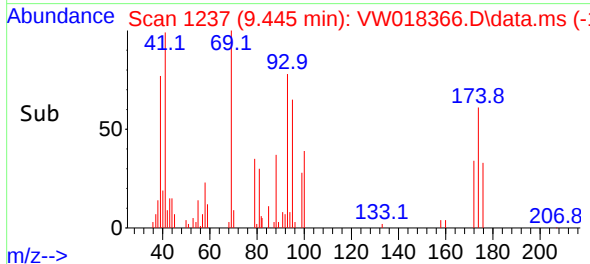
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021



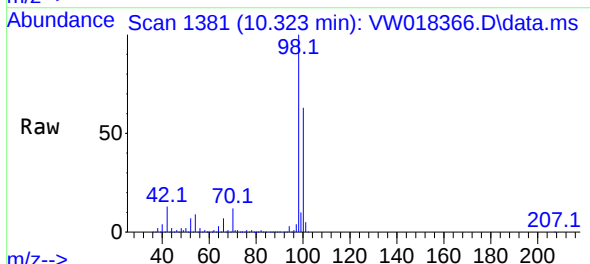
Tgt Ion: 88 Resp: 2427
Ion Ratio Lower Upper
88 100
43 18.9 25.5 38.3#
58 75.6 51.3 76.9

Manual Integrations
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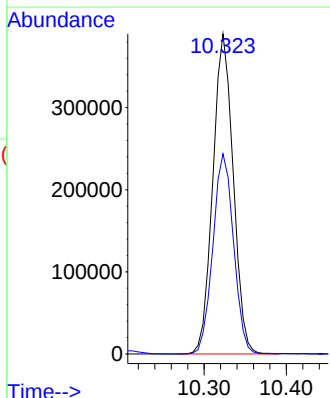
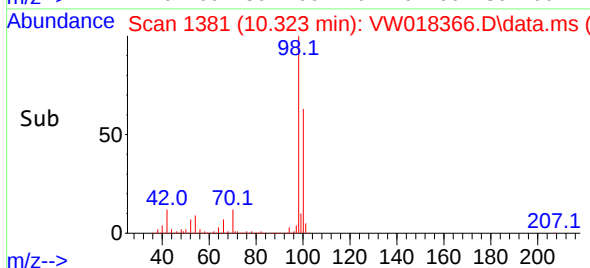
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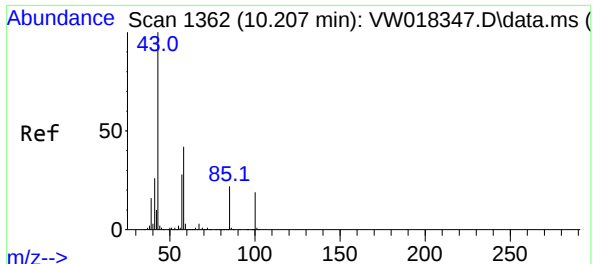


#50
Toluene-d8
Concen: 50.14 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



Tgt Ion: 98 Resp: 671271
Ion Ratio Lower Upper
98 100
100 63.4 51.8 77.8





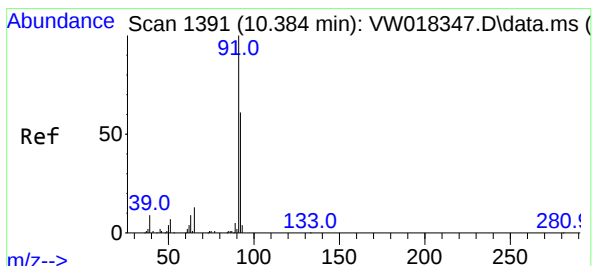
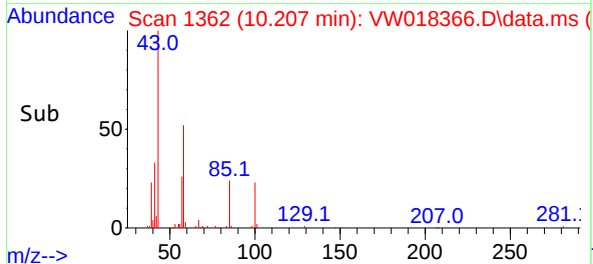
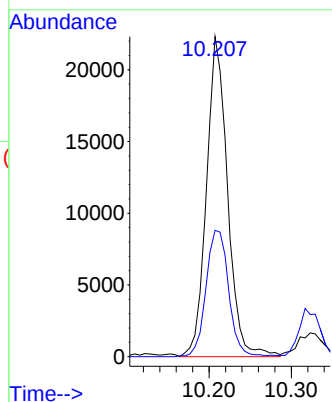
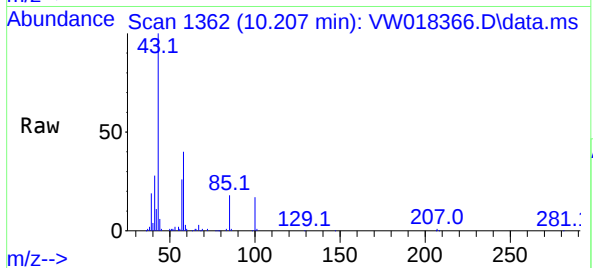
#51
4-Methyl-2-Pentanone
Concen: 20.34 ug/l
RT: 10.207 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 43 Resp: 39801
Ion Ratio Lower Upper
43 100
58 42.4 35.4 53.0

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

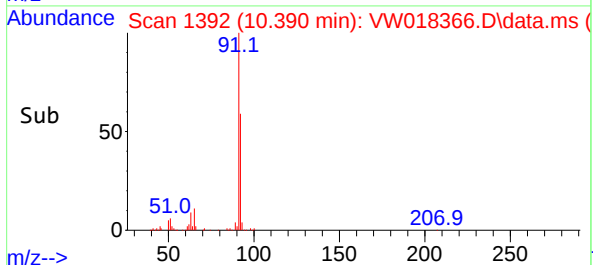
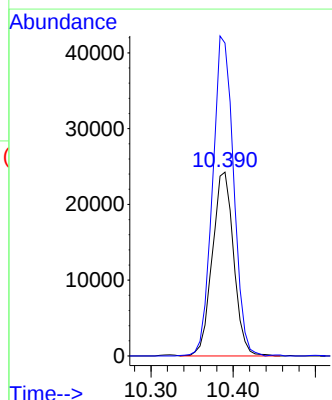
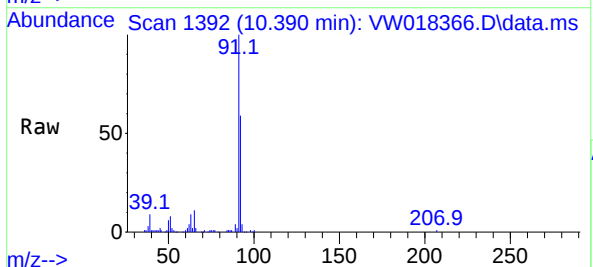
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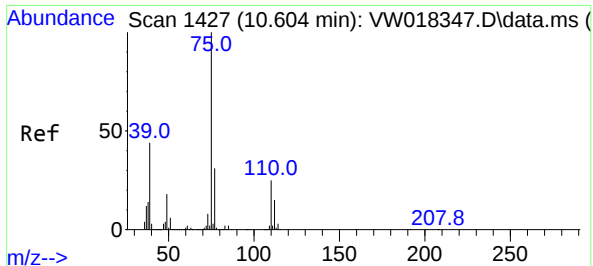
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#52
Toluene
Concen: 4.34 ug/l
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 92 Resp: 43786
Ion Ratio Lower Upper
92 100
91 171.5 136.6 205.0





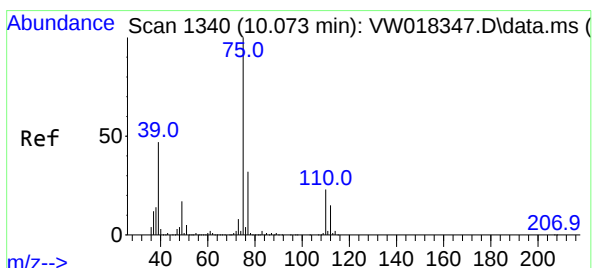
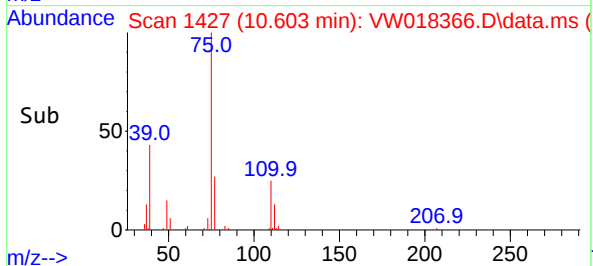
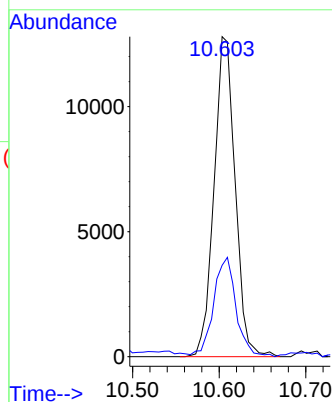
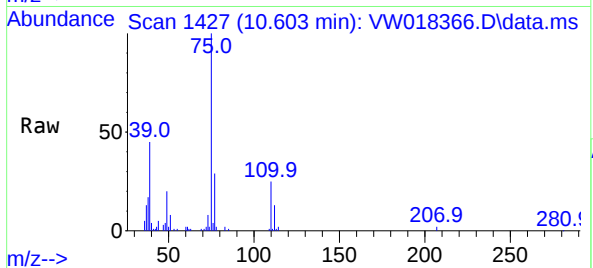
#53
t-1,3-Dichloropropene
Concen: 3.96 ug/l
RT: 10.603 min Scan# 1427
Delta R.T. -0.001 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 75 Resp: 21656
Ion Ratio Lower Upper
75 100
77 28.0 25.8 38.6

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

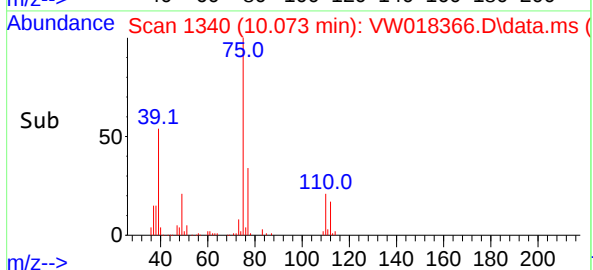
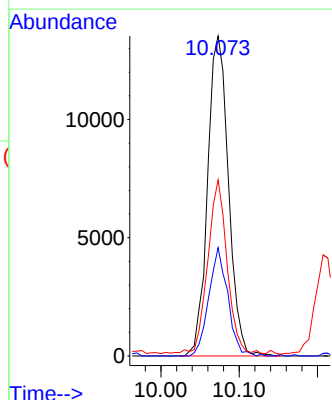
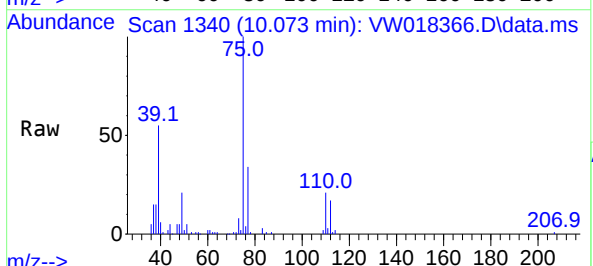
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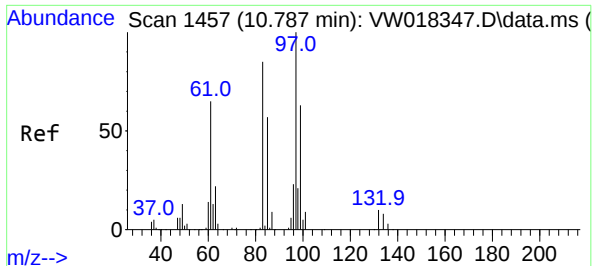
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#54
cis-1,3-Dichloropropene
Concen: 4.02 ug/l
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 75 Resp: 25048
Ion Ratio Lower Upper
75 100
77 33.9 24.9 37.3
39 54.5 34.6 51.8#





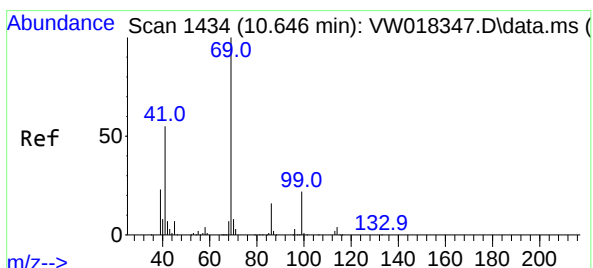
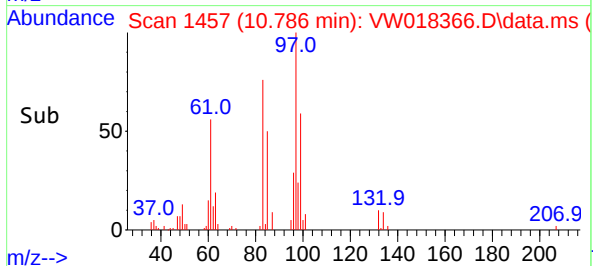
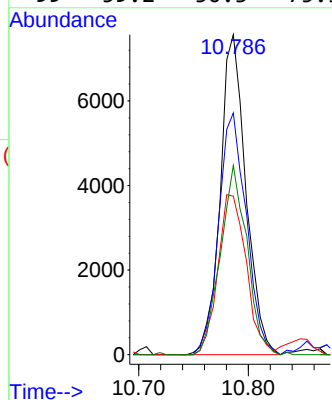
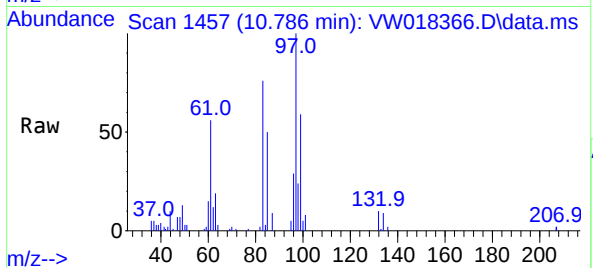
#55
1,1,2-Trichloroethane
Concen: 4.41 ug/l
RT: 10.786 min Scan# 1457
Delta R.T. -0.001 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:	97	Resp:	12314
Ion	Ratio	Lower	Upper
97	100		
83	75.6	70.1	105.1
85	49.5	43.3	64.9
99	59.2	50.3	75.5

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

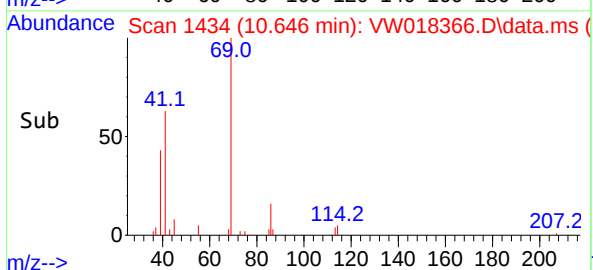
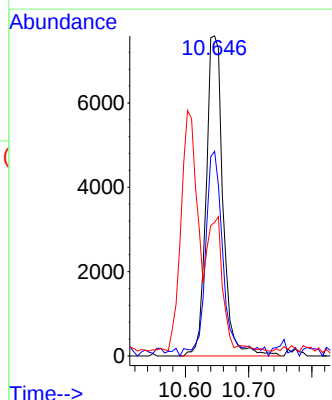
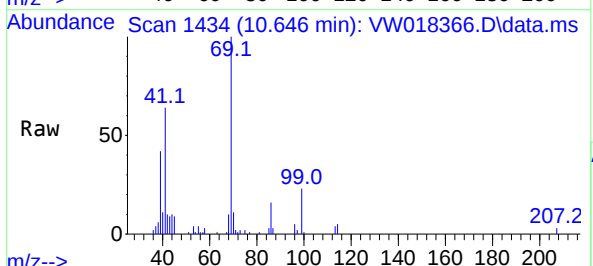
Manual Integrations
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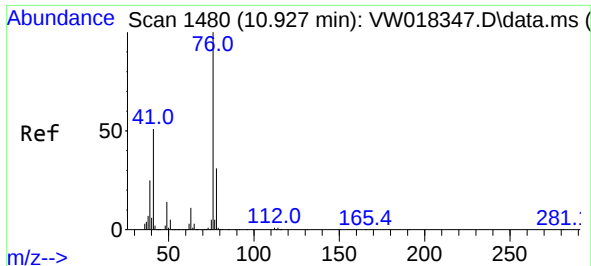
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#56
Ethyl methacrylate
Concen: 3.88 ug/l
RT: 10.646 min Scan# 1434
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:	69	Resp:	14093
Ion	Ratio	Lower	Upper
69	100		
41	67.1	45.2	67.8
39	35.5	26.5	39.7





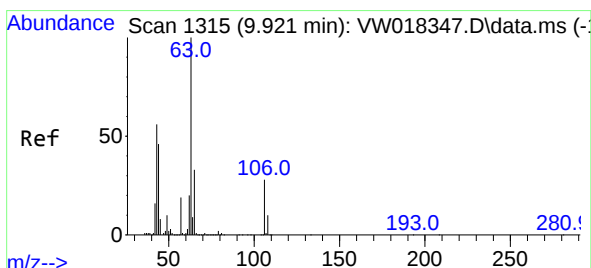
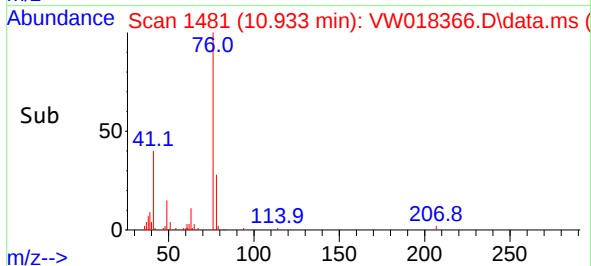
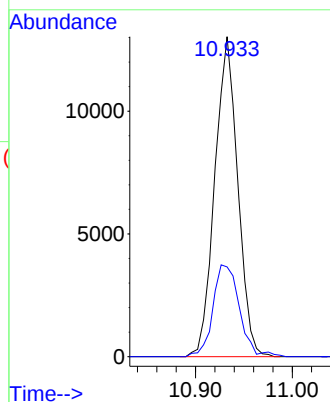
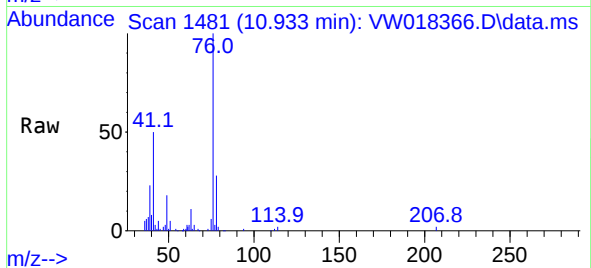
#57
1,3-Dichloropropane
Concen: 4.32 ug/l
RT: 10.933 min Scan# 1481
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 76 Resp: 21468
Ion Ratio Lower Upper
76 100
78 33.1 26.4 39.6

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

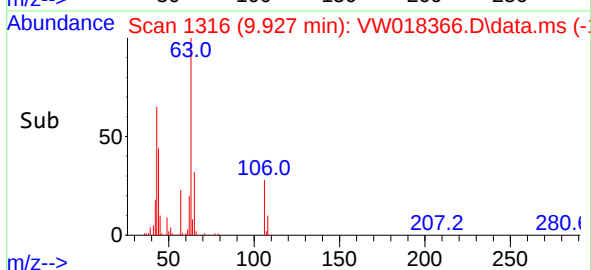
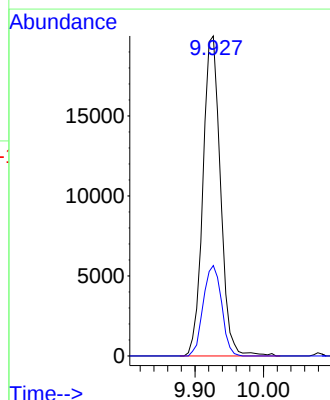
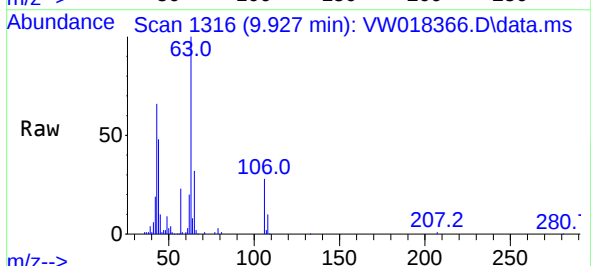
Manual Integrations
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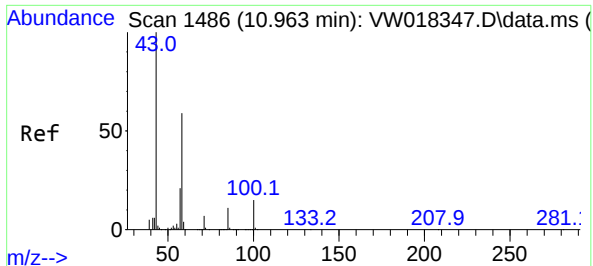
MMDadoda
3/19/2021 3:32:47 PM



#58
2-Chloroethyl Vinyl ether
Concen: 19.40 ug/l
RT: 9.927 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 63 Resp: 35718
Ion Ratio Lower Upper
63 100
106 29.4 25.8 38.6





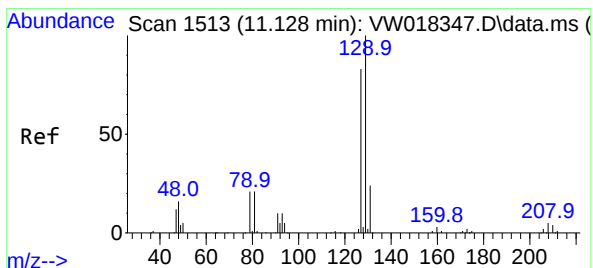
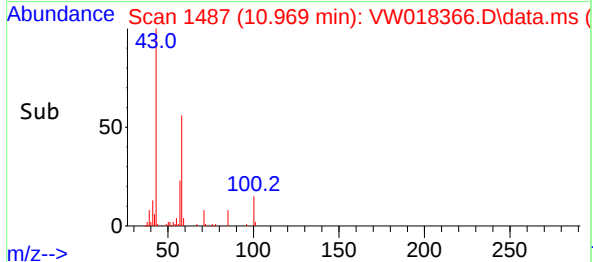
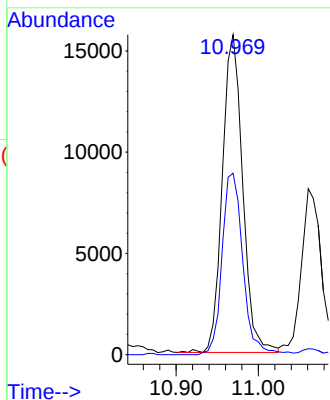
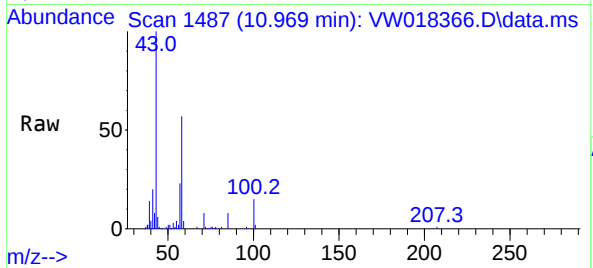
#59
2-Hexanone
Concen: 20.00 ug/l
RT: 10.969 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 43 Resp: 26941
Ion Ratio Lower Upper
43 100
58 58.5 30.6 92.0

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

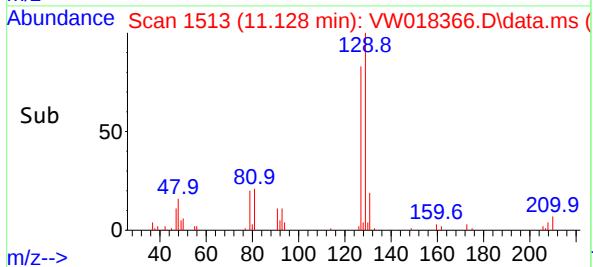
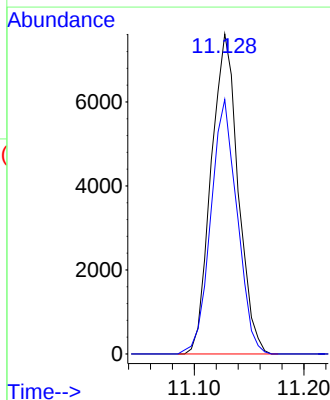
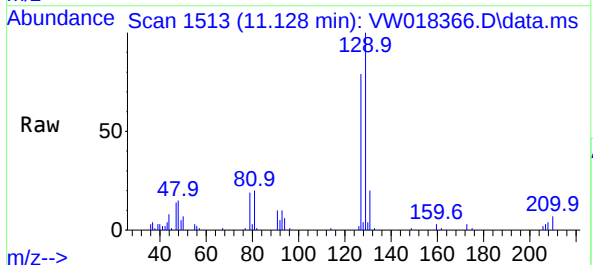
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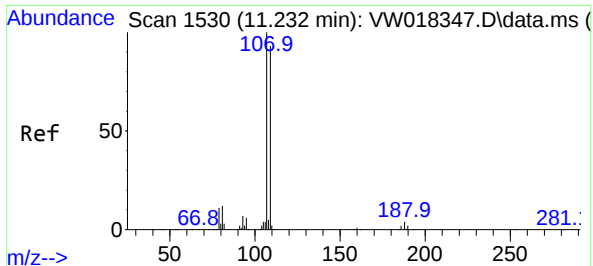
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#60
Dibromochloromethane
Concen: 3.79 ug/l
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:129 Resp: 13028
Ion Ratio Lower Upper
129 100
127 77.4 37.9 113.7





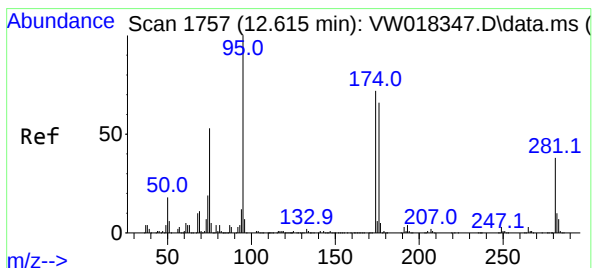
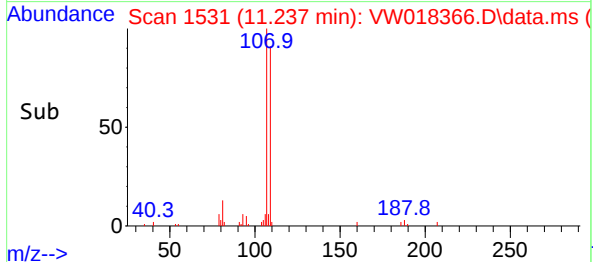
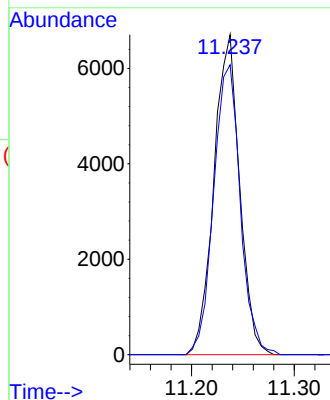
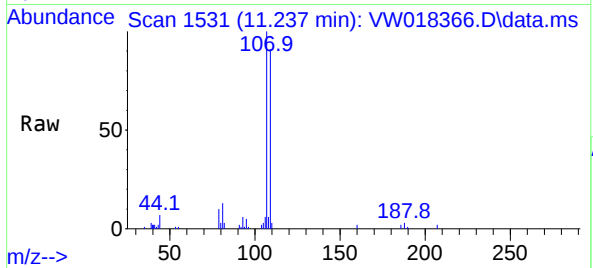
#61
1,2-Dibromoethane
Concen: 4.24 ug/l
RT: 11.237 min Scan# 1531
Delta R.T. 0.005 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:107 Resp: 11623
Ion Ratio Lower Upper
107 100
109 94.0 76.4 114.6

Instrument :
MSVOA_W
ClientSampleId :
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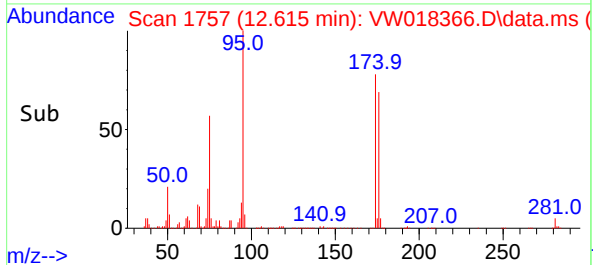
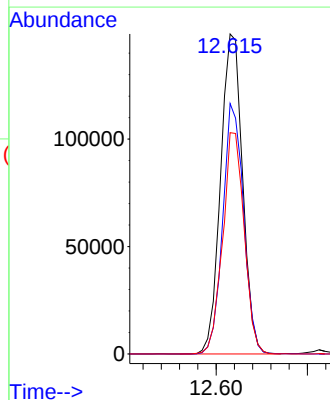
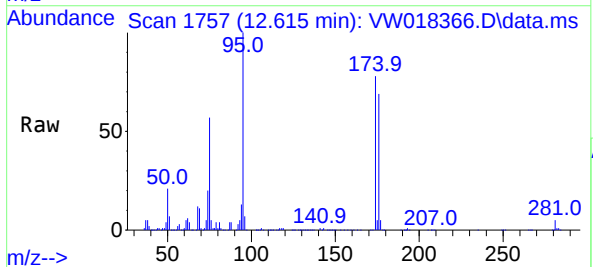
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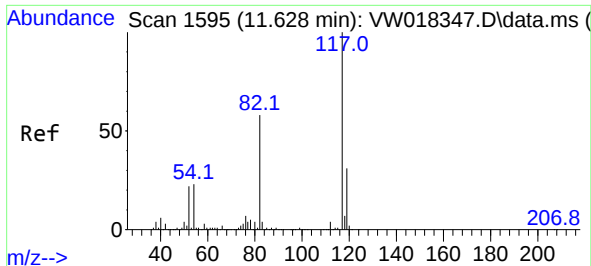
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#62
4-Bromofluorobenzene
Concen: 48.88 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

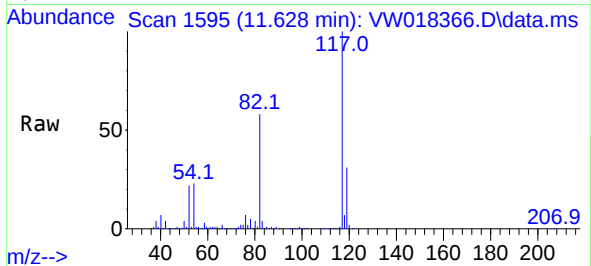
Tgt Ion: 95 Resp: 248416
Ion Ratio Lower Upper
95 100
174 74.2 0.0 132.8
176 67.8 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.628 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

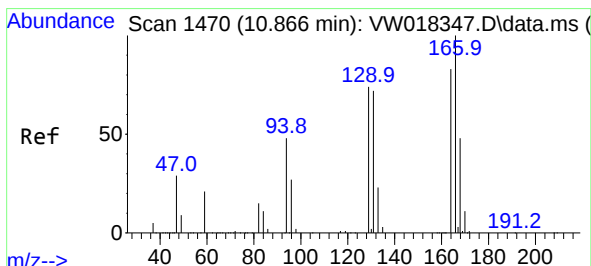
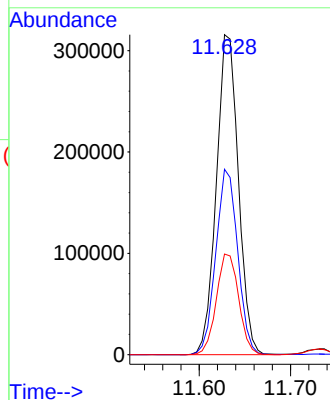
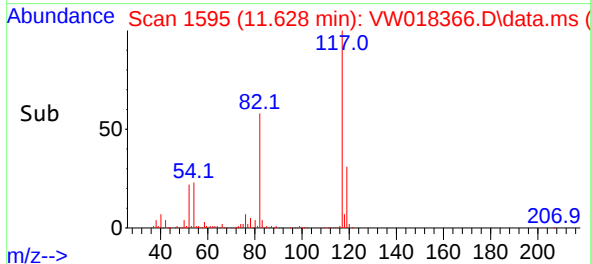
Instrument :
MSVOA_W
ClientSampleId :
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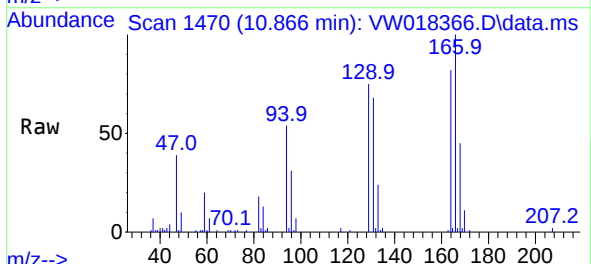
Tgt Ion:117 Resp: 529418
Ion Ratio Lower Upper
117 100
82 57.9 43.1 64.7
119 31.5 25.1 37.7

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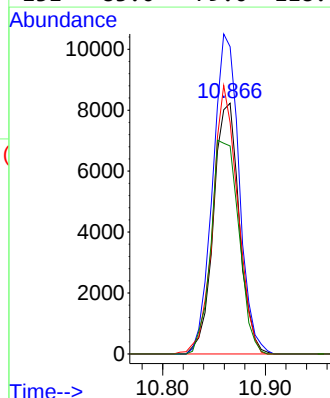
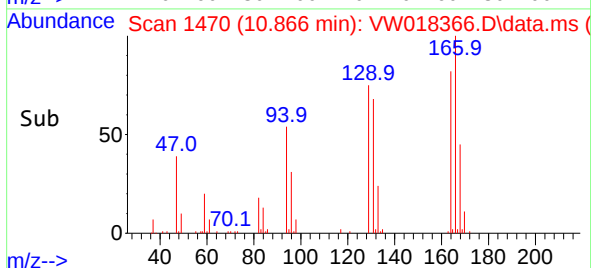
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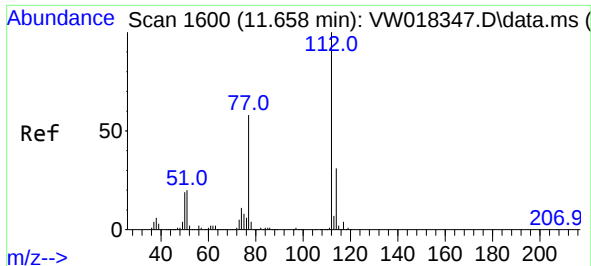


#64
Tetrachloroethene
Concen: 4.23 ug/l
RT: 10.866 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



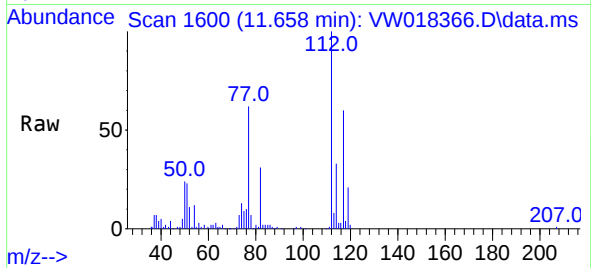
Tgt Ion:164 Resp: 14288
Ion Ratio Lower Upper
164 100
166 122.5 101.3 151.9
129 92.2 90.7 136.1
131 83.0 79.0 118.4





#65
Chlorobenzene
Concen: 4.14 ug/l
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

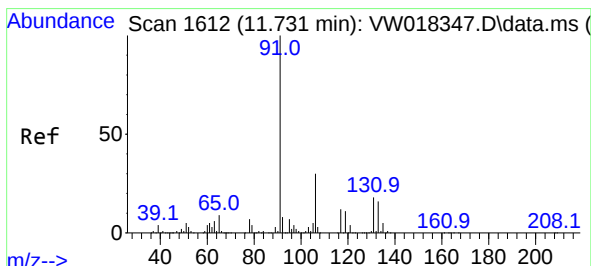
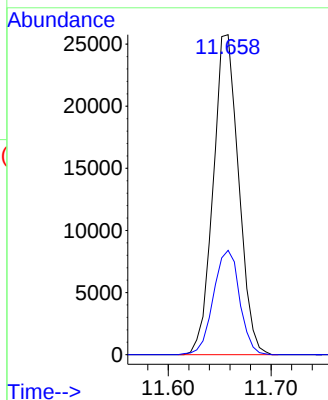
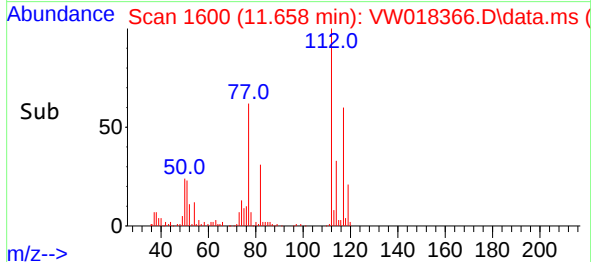
Instrument :
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ClientSampleId :
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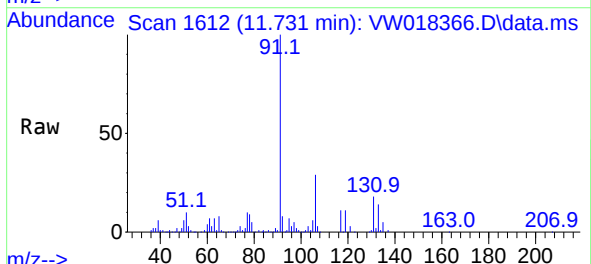
Tgt Ion:112 Resp: 44262
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8

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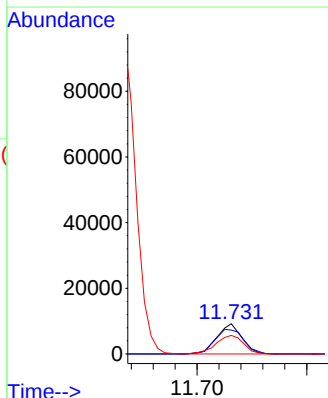
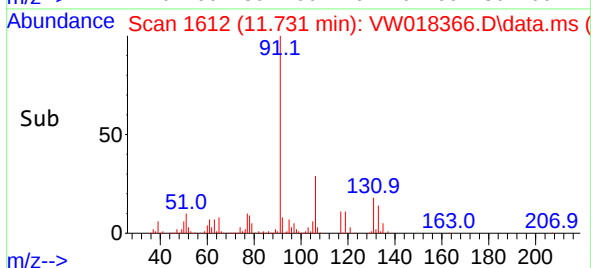
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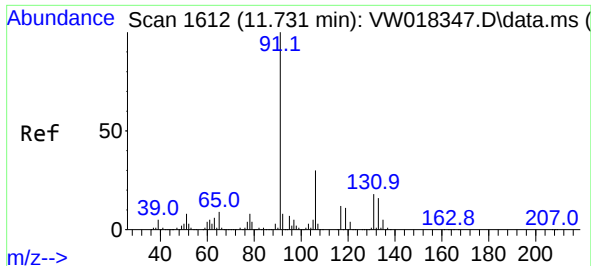


#66
1,1,1,2-Tetrachloroethane
Concen: 3.84 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

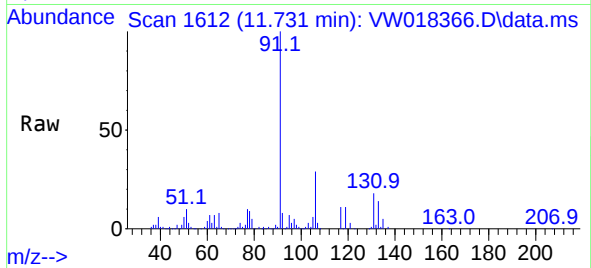


Tgt Ion:131 Resp: 14489
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.8
119 68.5 31.1 93.5

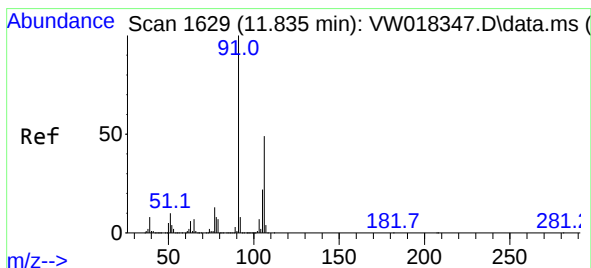
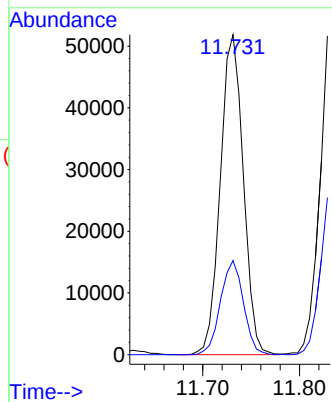
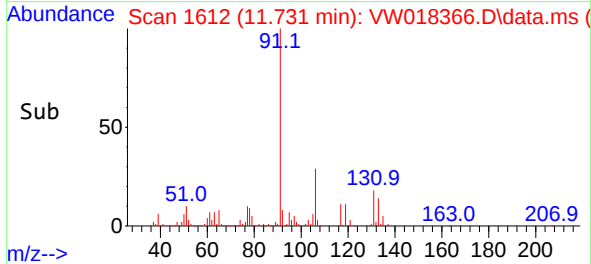




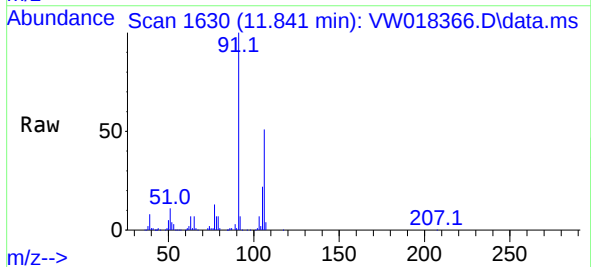
#67
Ethyl Benzene
Concen: 4.22 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



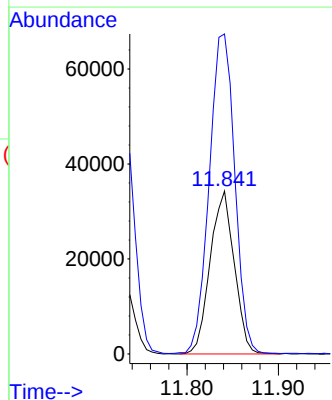
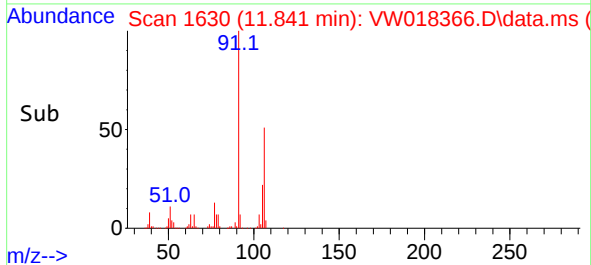
Tgt Ion: 91 Resp: 85394
Ion Ratio Lower Upper
91 100
106 29.4 25.0 37.6



#68
m/p-Xylenes
Concen: 8.19 ug/l
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



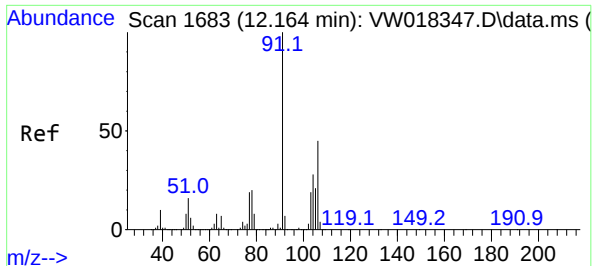
Tgt Ion: 106 Resp: 62882
Ion Ratio Lower Upper
106 100
91 207.6 165.5 248.3



Instrument :
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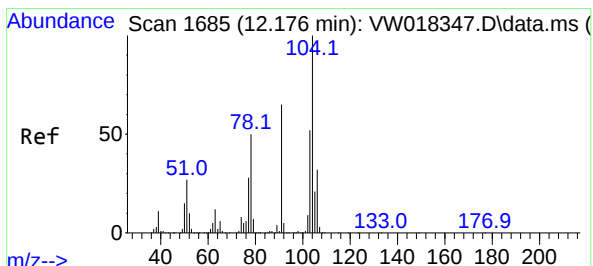
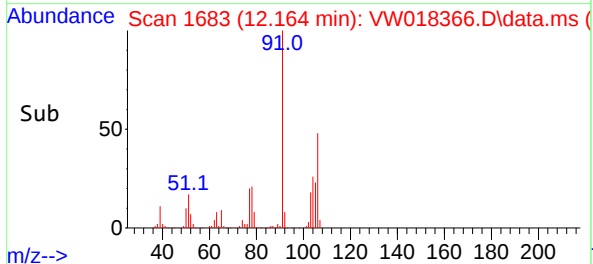
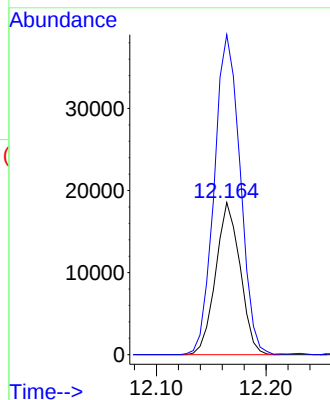
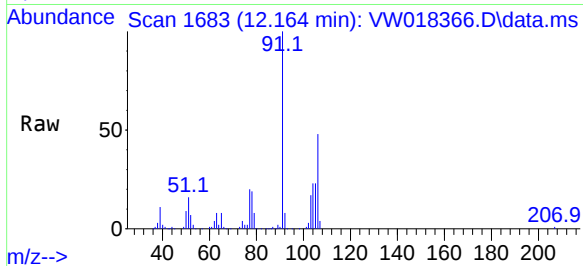
#69
o-Xylene
Concen: 4.01 ug/l
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:106 Resp: 28776
Ion Ratio Lower Upper
106 100
91 223.0 111.3 333.9

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

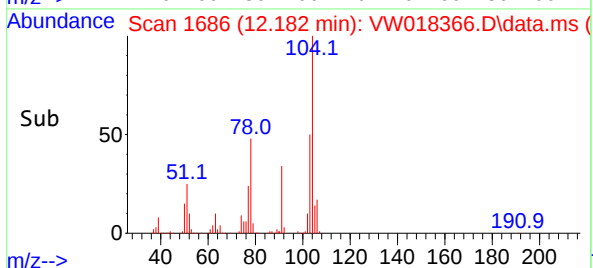
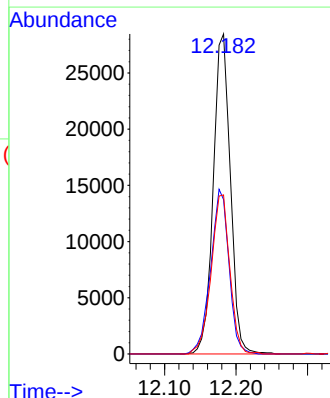
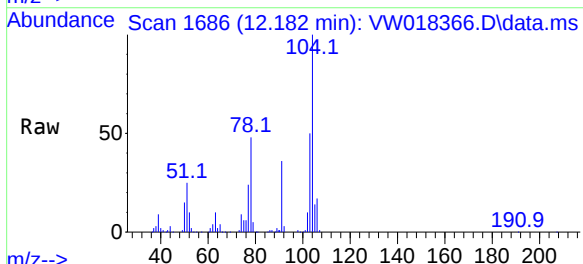
Manual Integrations
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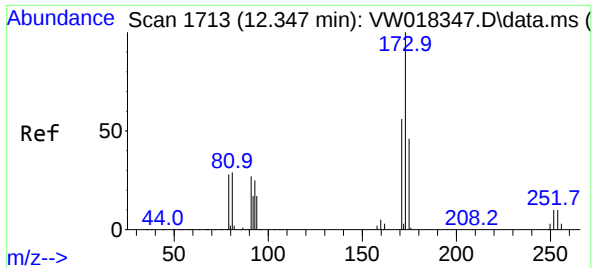
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#70
Styrene
Concen: 3.94 ug/l
RT: 12.182 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:104 Resp: 47344
Ion Ratio Lower Upper
104 100
78 55.1 43.2 64.8
103 54.3 44.4 66.6





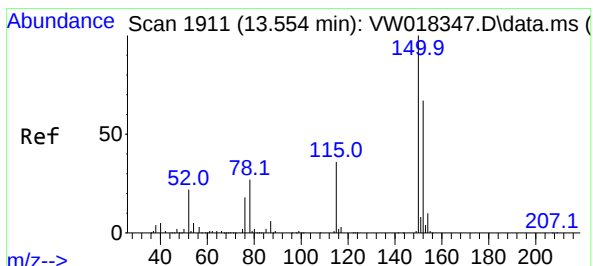
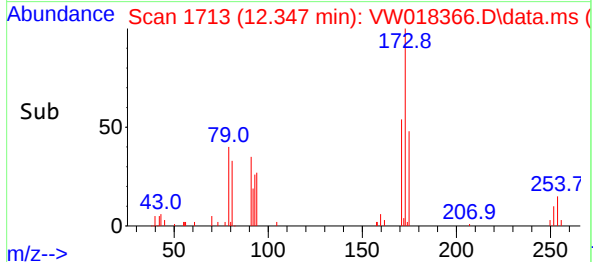
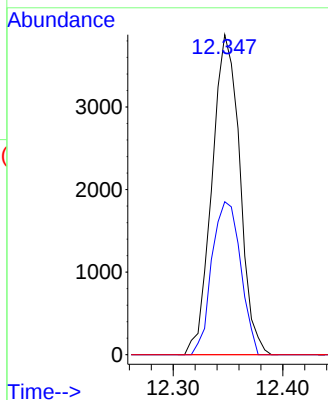
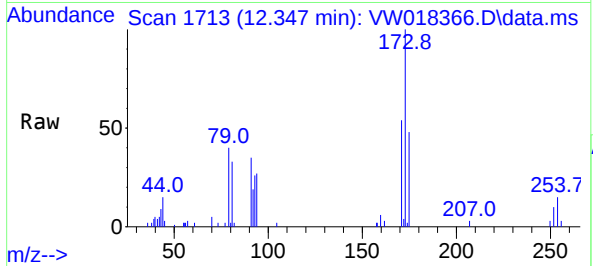
#71
Bromoform
Concen: 3.55 ug/l
RT: 12.347 min Scan# 1713
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:	173	Resp:	6837
Ion Ratio	Lower	Upper	
173	100		
175	49.3	23.5	70.6
254	0.0	0.0	0.0

Instrument :
MSVOA_W
ClientSampleId :
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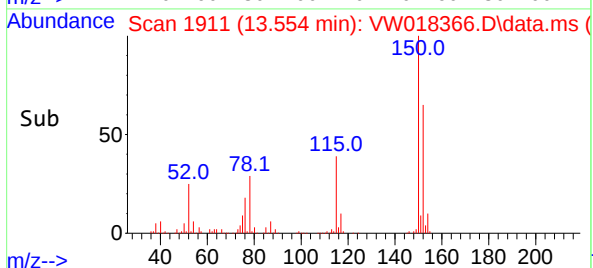
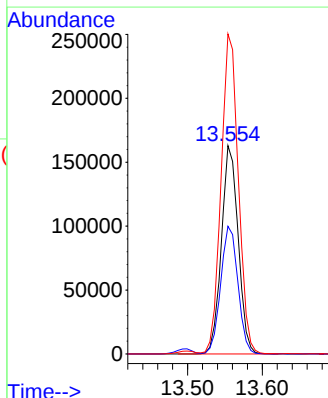
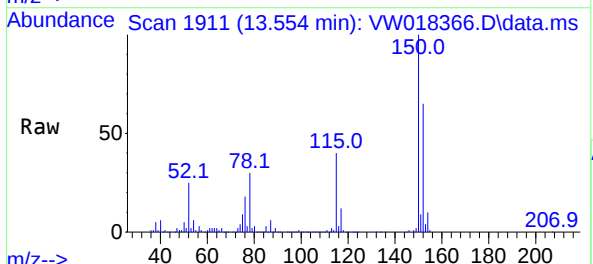
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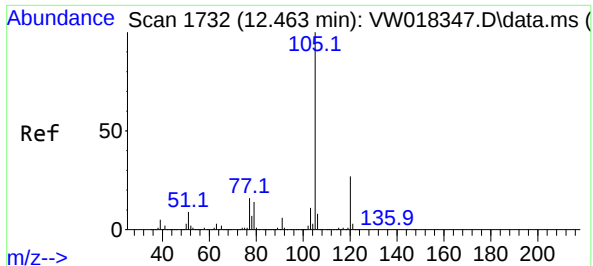
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.554 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:	152	Resp:	253867
Ion Ratio	Lower	Upper	
152	100		
115	63.1	31.9	95.7
150	158.3	0.0	347.2





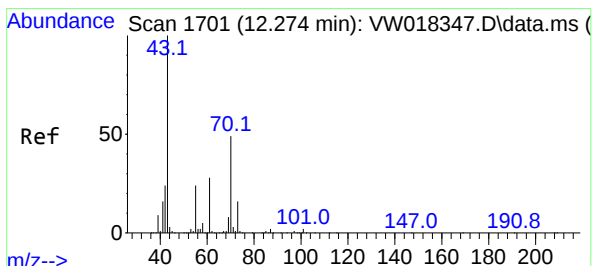
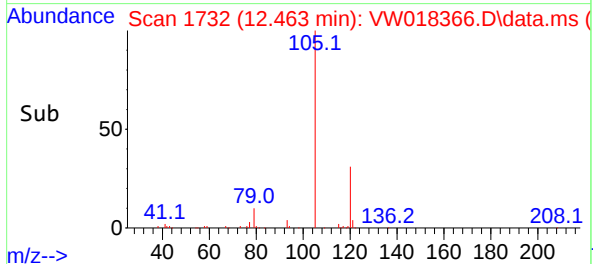
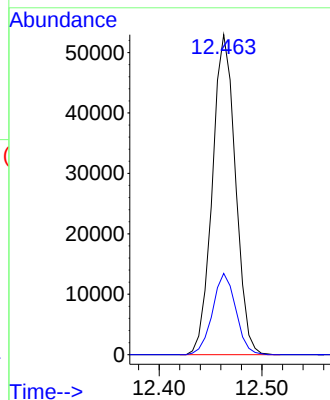
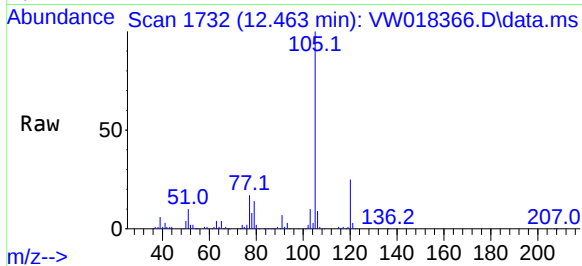
#73
Isopropylbenzene
Concen: 4.32 ug/l
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion: 105 Resp: 82627
Ion Ratio Lower Upper
105 100
120 25.6 13.1 39.3

Instrument :
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ClientSampleId :
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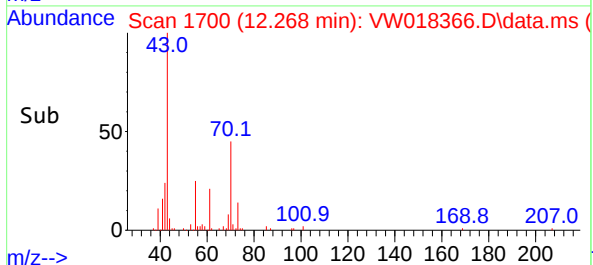
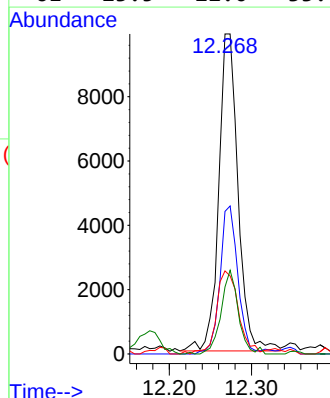
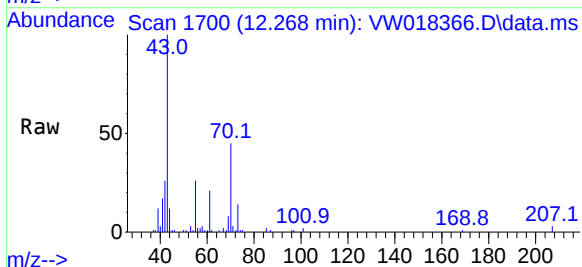
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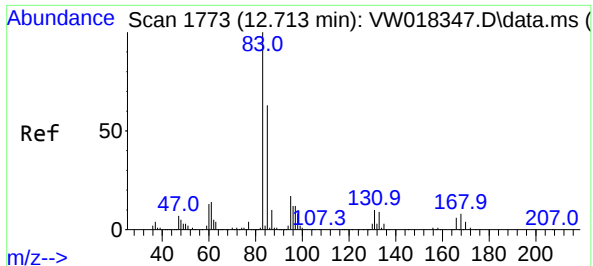
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#74
N-ethyl acetate
Concen: 4.29 ug/l
RT: 12.268 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

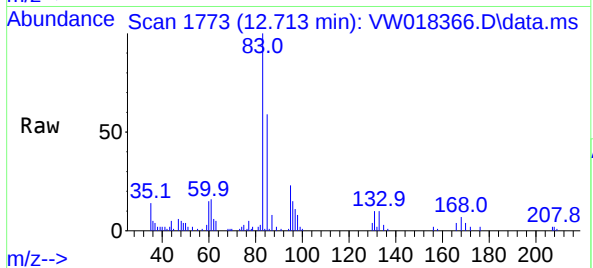
Tgt Ion: 43 Resp: 16153
Ion Ratio Lower Upper
43 100
70 43.2 41.8 62.6
55 29.9 23.0 34.6
61 23.5 22.0 33.0





#75
1,1,2,2-Tetrachloroethane
Concen: 4.30 ug/l
RT: 12.713 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

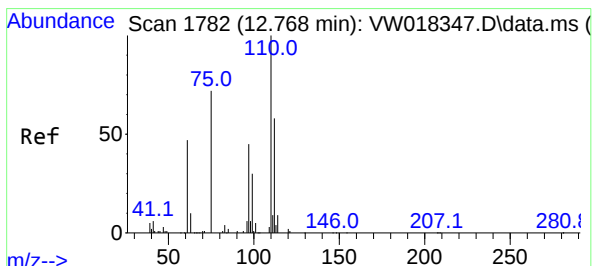
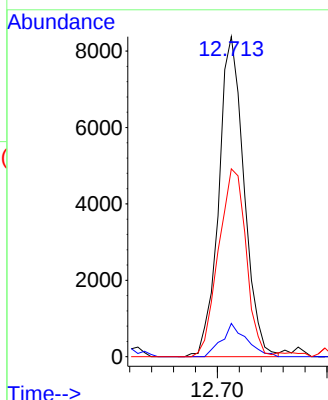
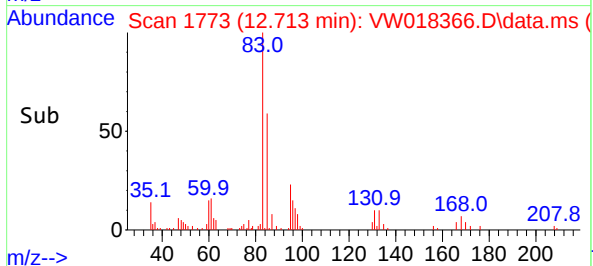
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021



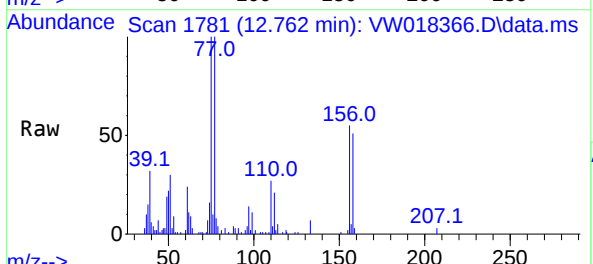
Tgt Ion: 83 Resp: 13419
Ion Ratio Lower Upper
83 100
131 10.1 5.9 17.6
85 63.8 31.9 95.5

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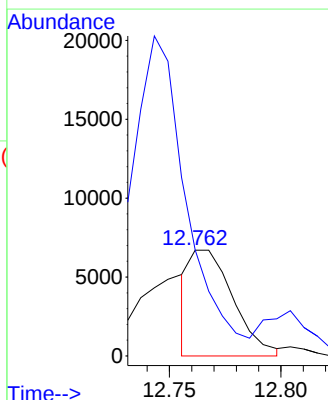
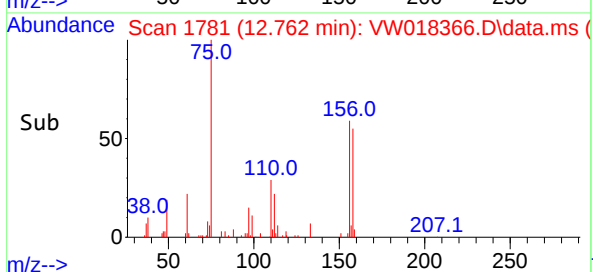
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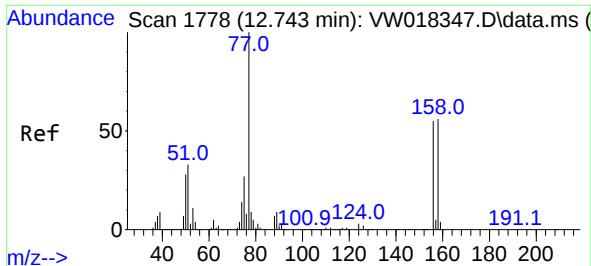


#76
1,2,3-Trichloropropane
Concen: 3.87 ug/l m
RT: 12.762 min Scan# 1781
Delta R.T. -0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



Tgt Ion: 75 Resp: 9035
Ion Ratio Lower Upper
75 100
77 397.0 0.0 0.0#





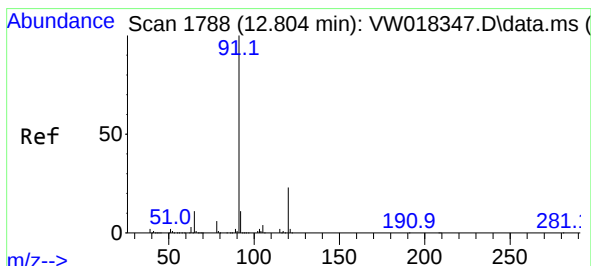
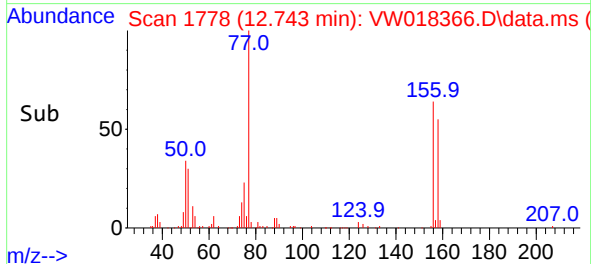
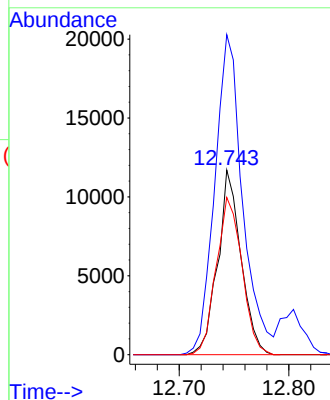
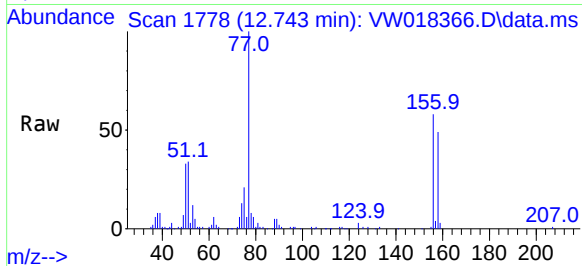
#77
Bromobenzene
Concen: 4.22 ug/l
RT: 12.743 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion	Ratio	Lower	Upper
156	100		
77	207.4	97.8	293.4
158	94.0	49.1	147.3

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

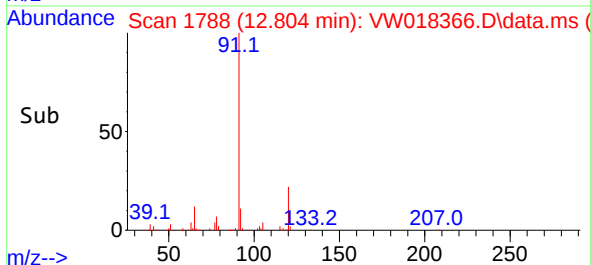
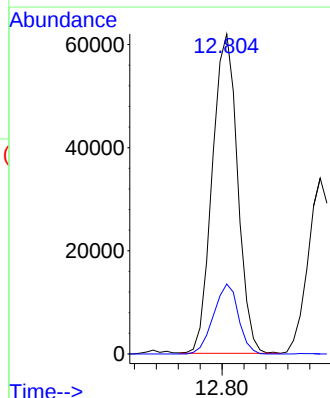
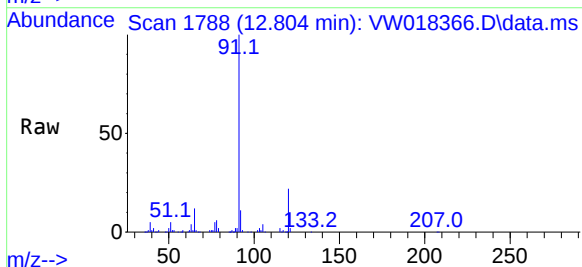
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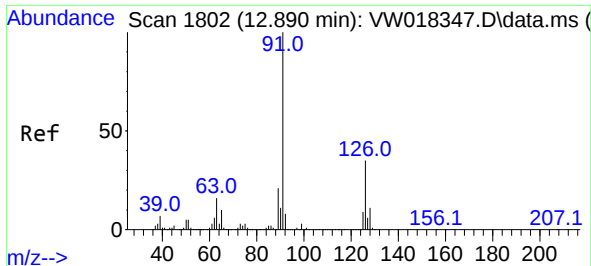
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#78
n-propylbenzene
Concen: 4.35 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

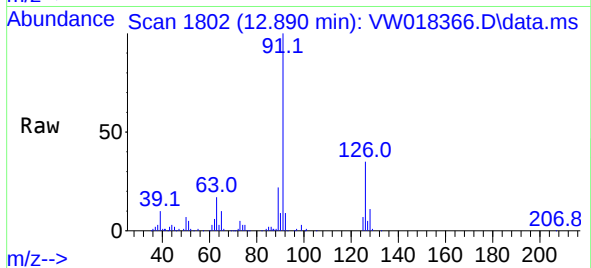
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.3	33.9





#79
2-Chlorotoluene
Concen: 4.22 ug/l
RT: 12.890 min Scan# 1802
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

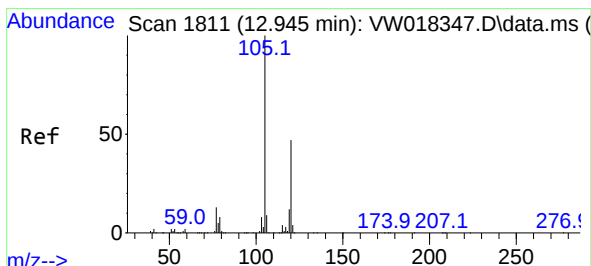
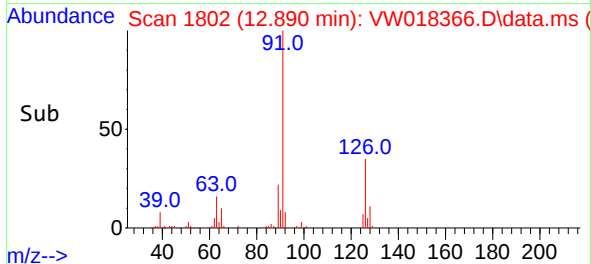
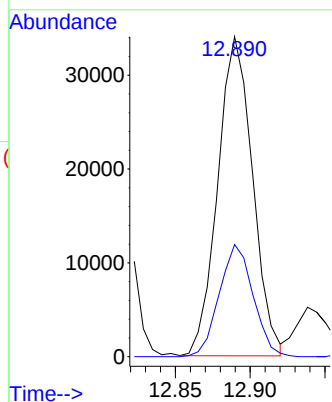
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021



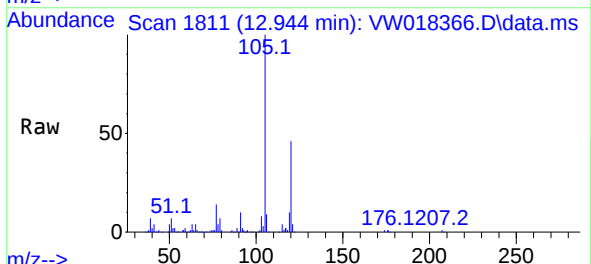
Tgt Ion: 91 Resp: 55057
Ion Ratio Lower Upper
91 100
126 34.1 15.0 45.0

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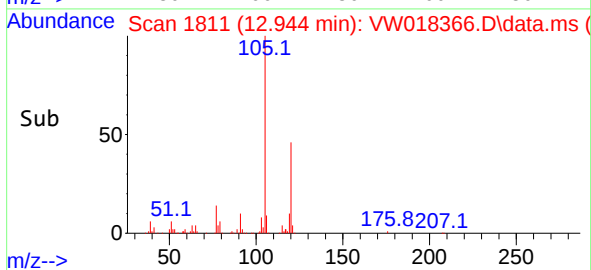
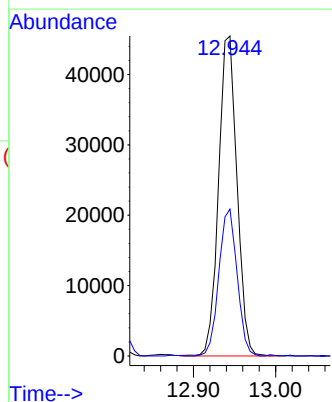
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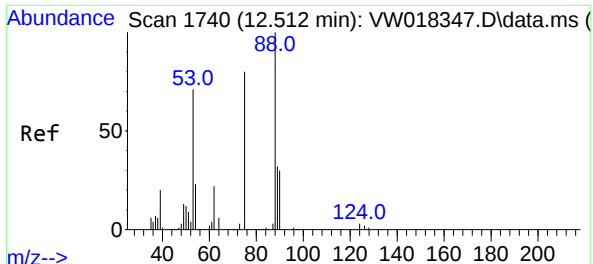


#80
1,3,5-Trimethylbenzene
Concen: 4.29 ug/l
RT: 12.944 min Scan# 1811
Delta R.T. -0.001 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

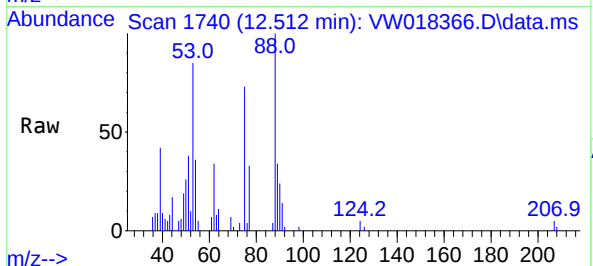


Tgt Ion: 105 Resp: 70722
Ion Ratio Lower Upper
105 100
120 45.5 23.4 70.0

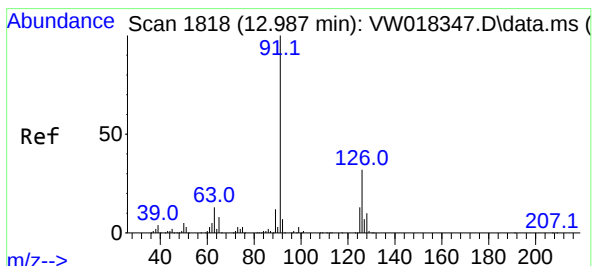
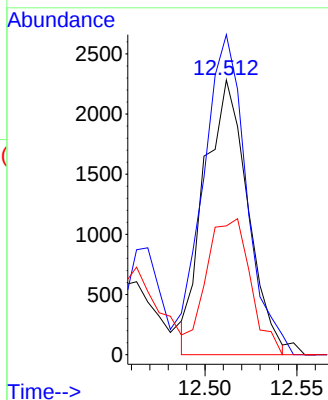
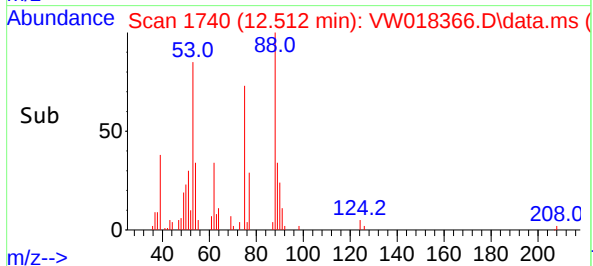




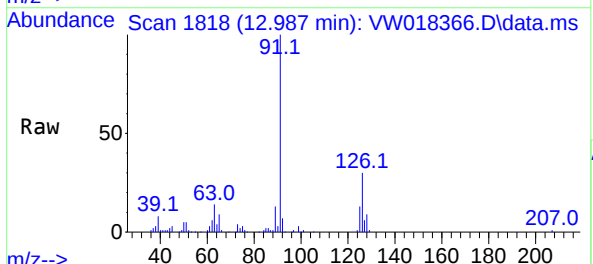
#81
trans-1,4-Dichloro-2-butene
Concen: 3.51 ug/l m
RT: 12.512 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



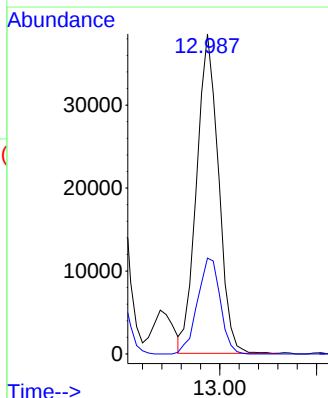
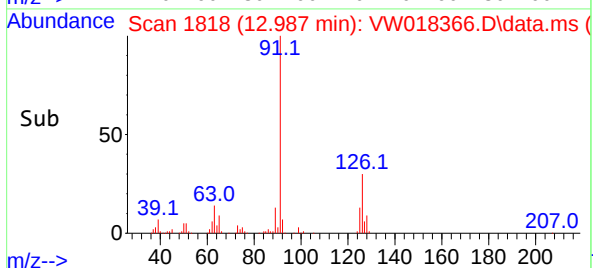
Tgt Ion: 75 Resp: 3741
Ion Ratio Lower Upper
75 100
53 4.0 86.9 130.3#
89 1.9 38.8 58.2#



#82
4-Chlorotoluene
Concen: 4.40 ug/l
RT: 12.987 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



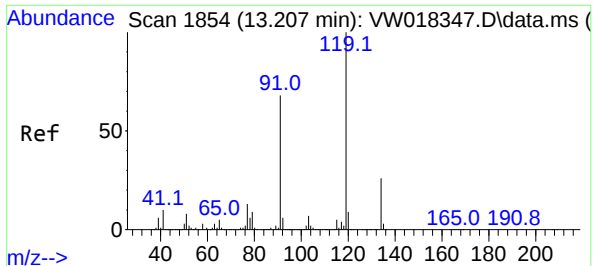
Tgt Ion: 91 Resp: 60540
Ion Ratio Lower Upper
91 100
126 31.2 15.8 47.4



Instrument :
MSVOA_W
ClientSampleId :
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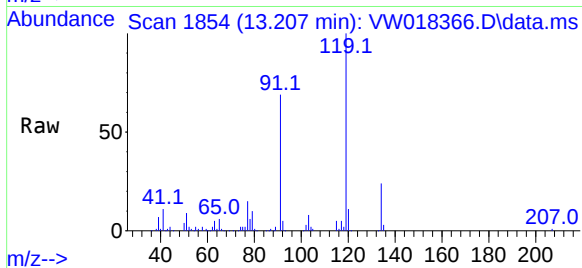
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#83
tert-Butylbenzene
Concen: 4.23 ug/l
RT: 13.207 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

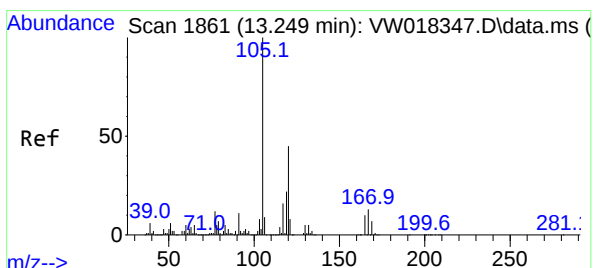
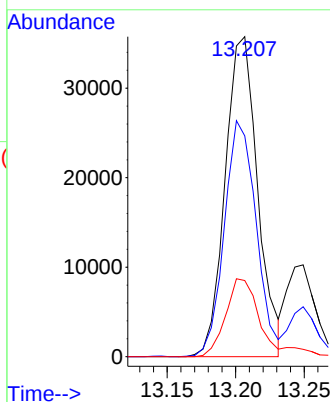
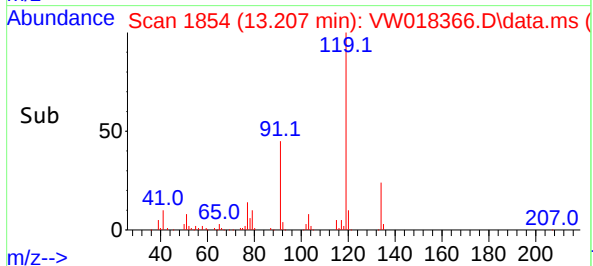
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021



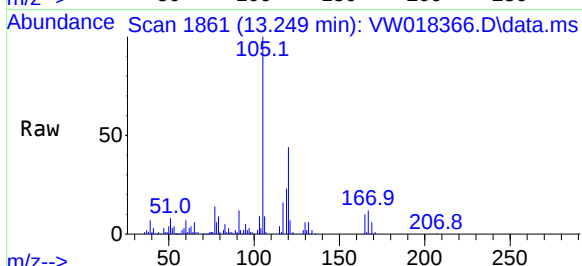
Tgt Ion:119 Resp: 59122
Ion Ratio Lower Upper
119 100
91 72.3 34.9 104.7
134 26.5 12.3 36.9

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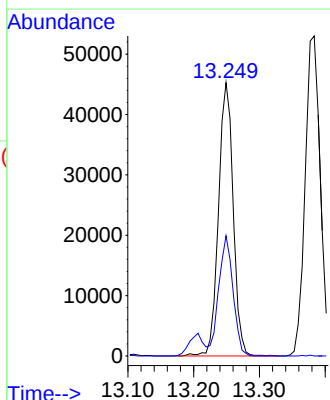
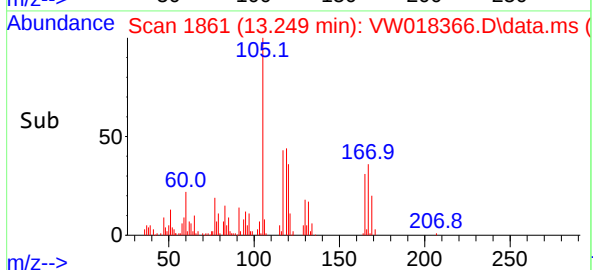
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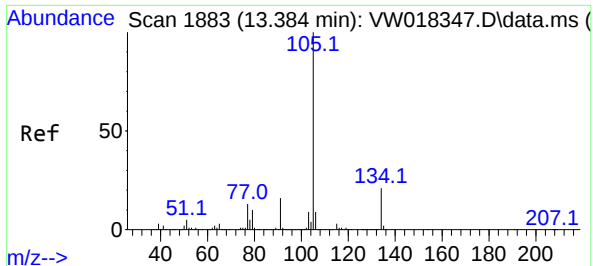


#84
1,2,4-Trimethylbenzene
Concen: 4.26 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



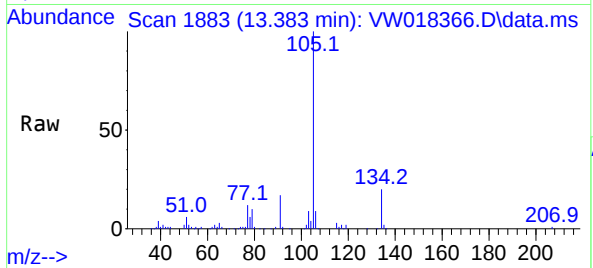
Tgt Ion:105 Resp: 70363
Ion Ratio Lower Upper
105 100
120 43.0 21.3 64.0





#85
 sec-Butylbenzene
 Concen: 4.29 ug/l
 RT: 13.383 min Scan# 1883
 Delta R.T. -0.001 min
 Lab File: VW018366.D
 Acq: 18 Mar 2021 12:37

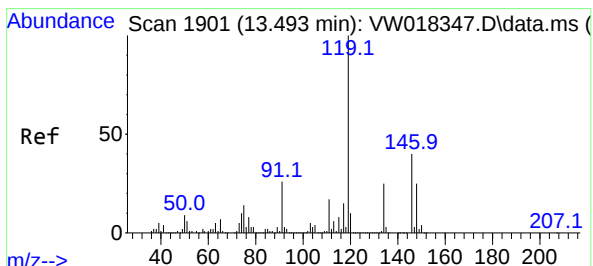
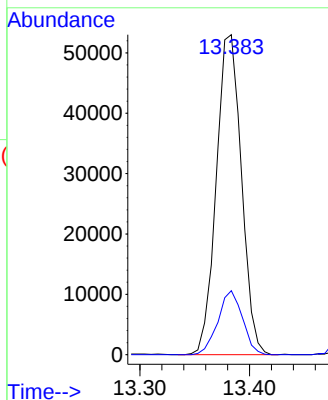
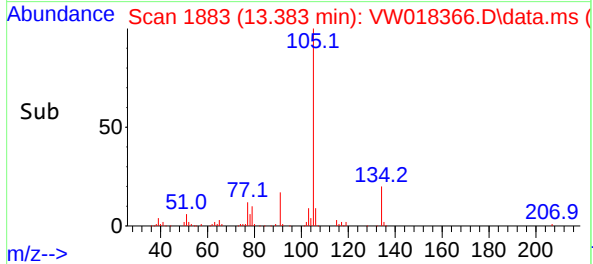
Instrument :
 MSVOA_W
 ClientSampleId :
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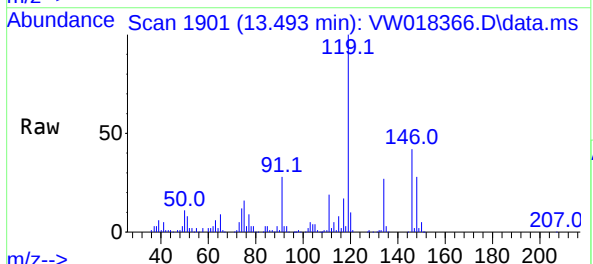
Tgt Ion:105 Resp: 84516
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3

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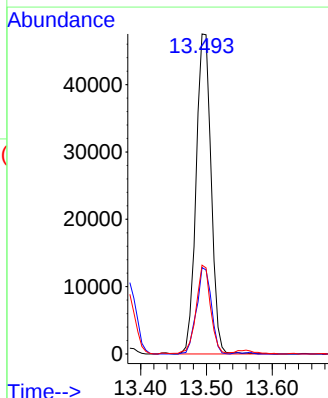
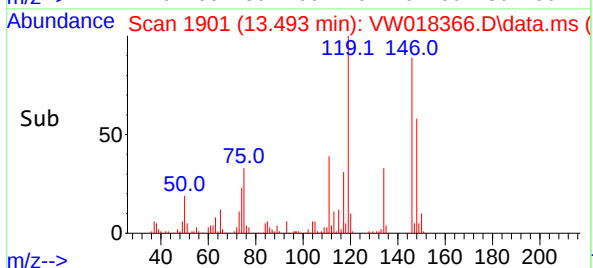
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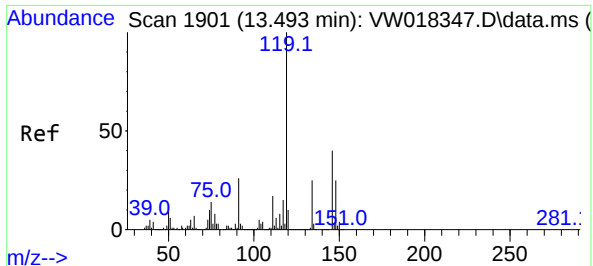


#86
 p-Isopropyltoluene
 Concen: 4.25 ug/l
 RT: 13.493 min Scan# 1901
 Delta R.T. 0.000 min
 Lab File: VW018366.D
 Acq: 18 Mar 2021 12:37



Tgt Ion:119 Resp: 75254
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.4 37.4
 91 26.6 13.1 39.1





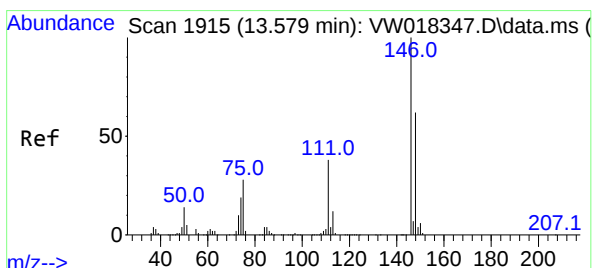
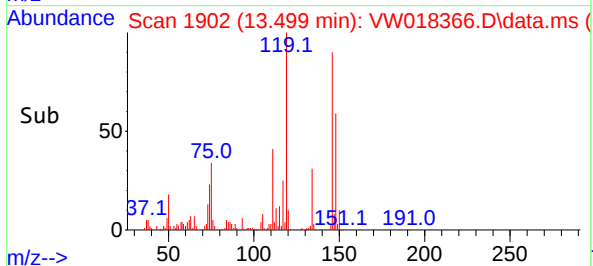
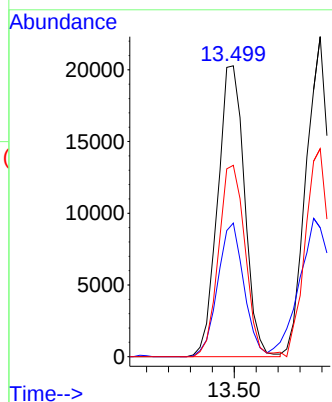
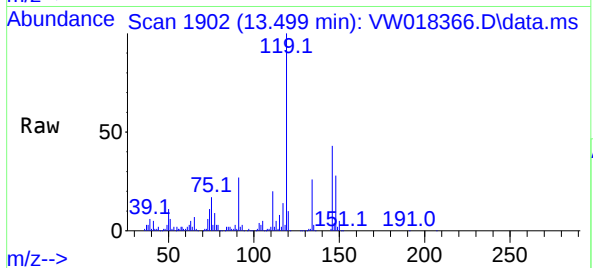
#87
1,3-Dichlorobenzene
Concen: 4.18 ug/l
RT: 13.499 min Scan# 1902
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:146 Resp: 34525
Ion Ratio Lower Upper
146 100
111 44.8 21.8 65.3
148 65.0 32.6 97.7

Instrument :
MSVOA_W
ClientSampleId :
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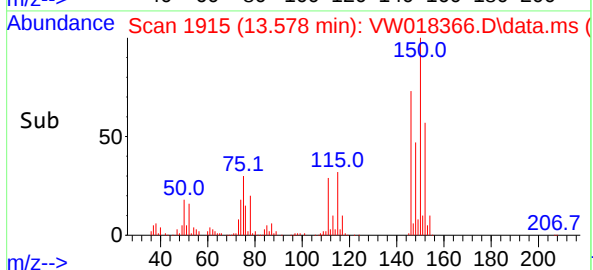
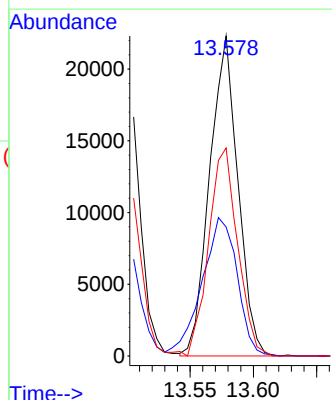
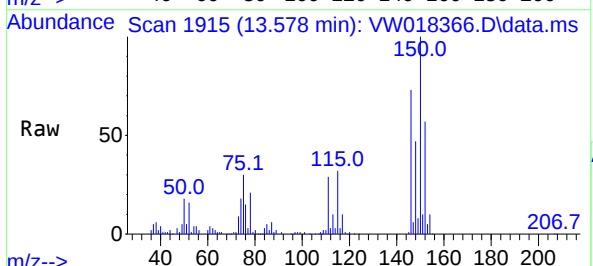
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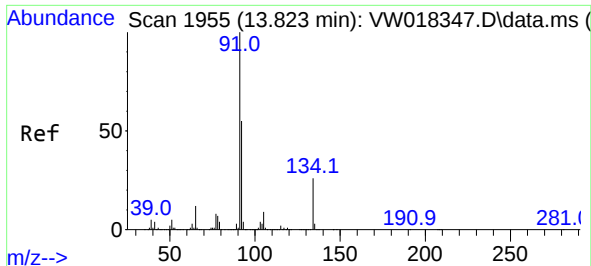
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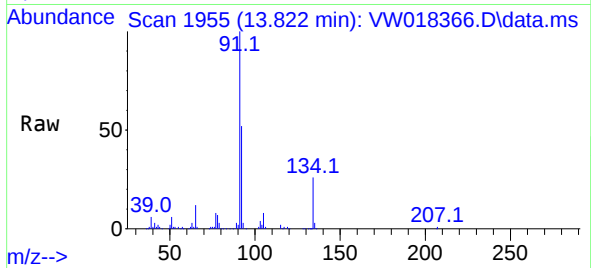
#88
1,4-Dichlorobenzene
Concen: 4.21 ug/l
RT: 13.578 min Scan# 1915
Delta R.T. -0.001 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:146 Resp: 34678
Ion Ratio Lower Upper
146 100
111 54.1 20.3 60.8
148 66.8 31.4 94.0

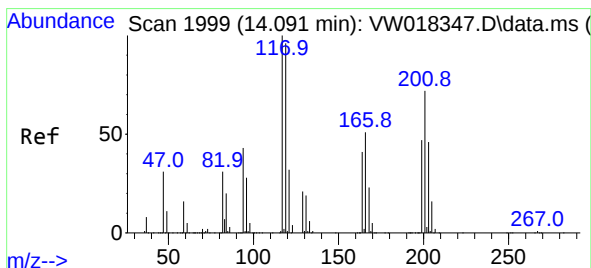
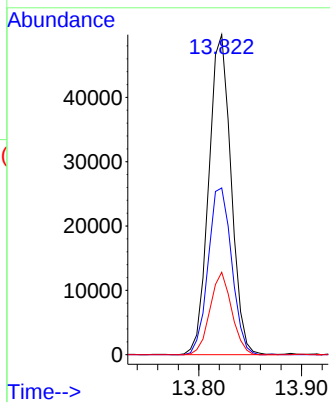
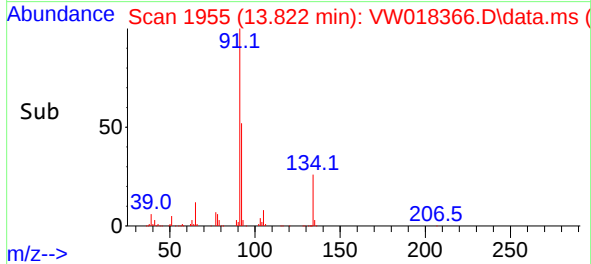




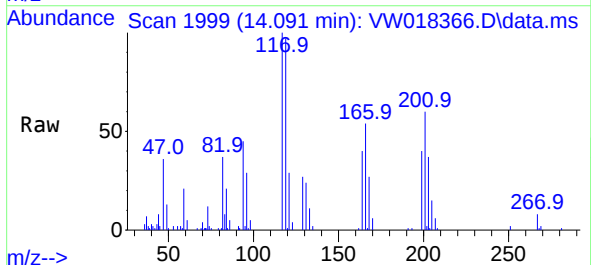
#89
n-Butylbenzene
Concen: 4.27 ug/l
RT: 13.822 min Scan# 1955
Delta R.T. -0.001 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



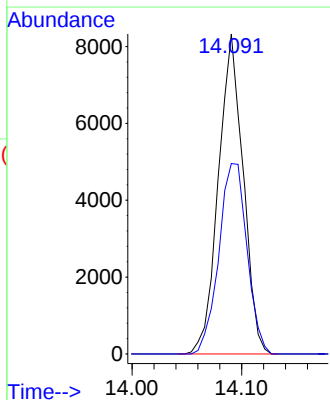
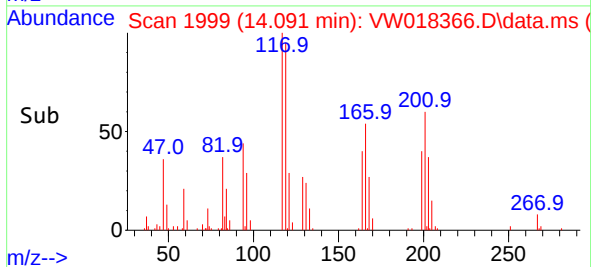
Tgt Ion: 91 Resp: 75025
Ion Ratio Lower Upper
91 100
92 55.0 26.6 79.8
134 25.0 12.4 37.4



#90
Hexachloroethane
Concen: 4.01 ug/l
RT: 14.091 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37



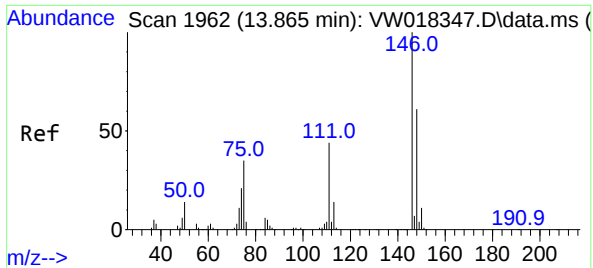
Tgt Ion: 117 Resp: 13042
Ion Ratio Lower Upper
117 100
201 67.7 35.4 106.1



Instrument :
MSVOA_W
ClientSampleId :
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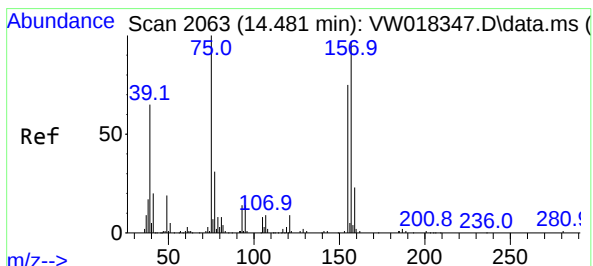
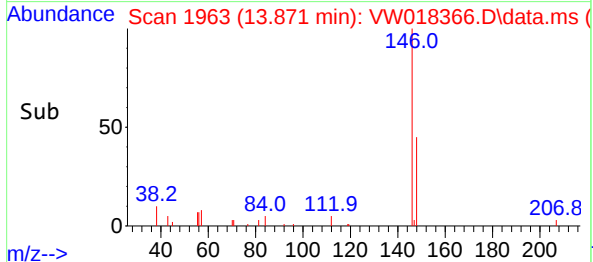
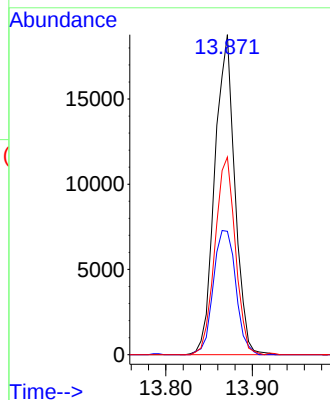
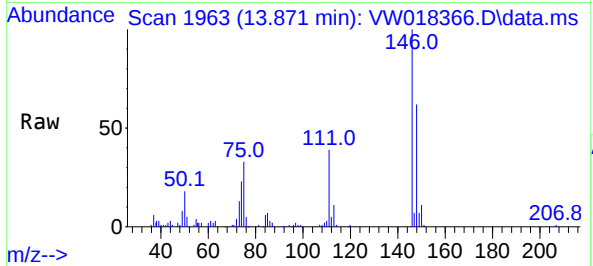
#91
1,2-Dichlorobenzene
Concen: 4.15 ug/l
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:	146	Resp:	30210
Ion Ratio	Lower	Upper	
146	100		
111	43.6	22.3	66.9
148	62.8	31.2	93.6

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

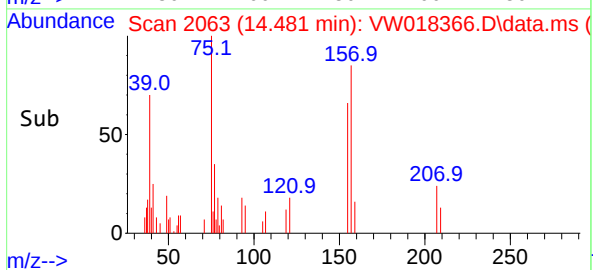
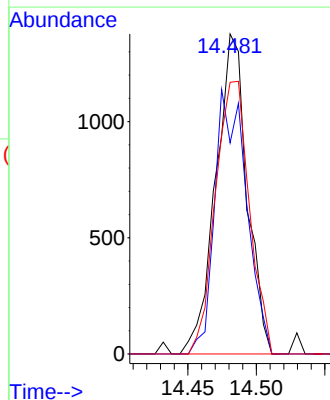
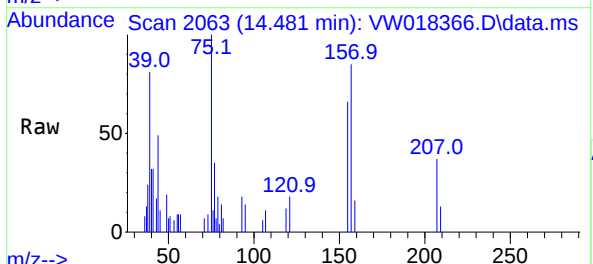
Manual Integrations
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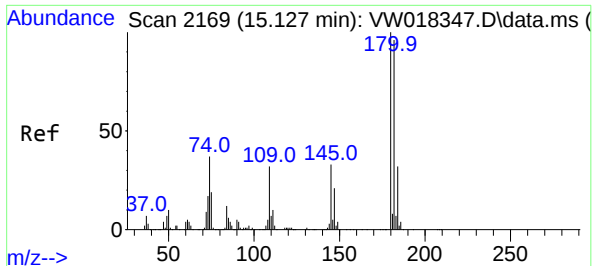
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#92
1,2-Dibromo-3-Chloropropane
Concen: 3.78 ug/l
RT: 14.481 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:	75	Resp:	2186
Ion Ratio	Lower	Upper	
75	100		
155	83.4	38.0	113.9
157	92.5	49.9	149.7





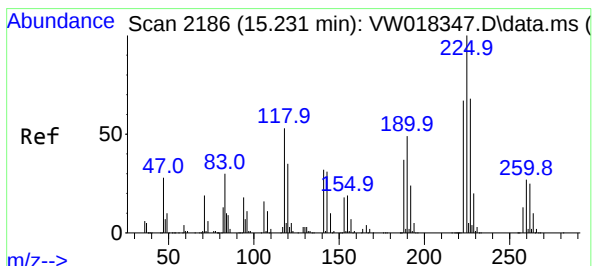
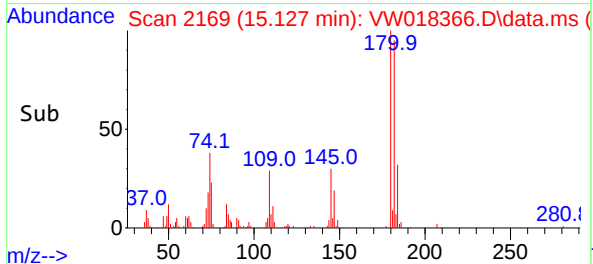
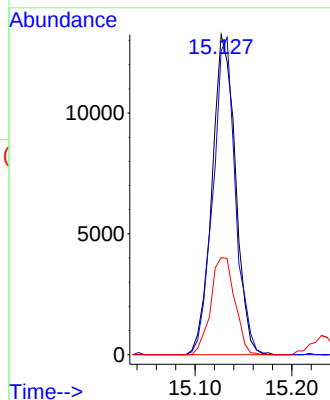
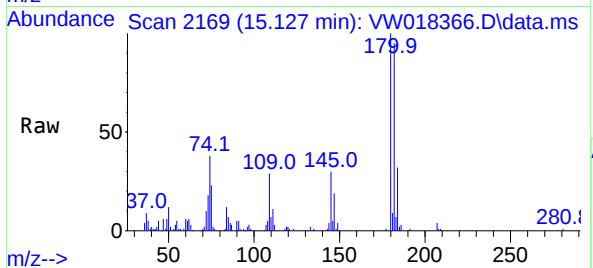
#93
1,2,4-Trichlorobenzene
Concen: 4.33 ug/l
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:	180	Resp:	22290
Ion Ratio	Lower	Upper	
180	100		
182	94.5	50.0	150.0
145	31.2	17.9	53.8

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

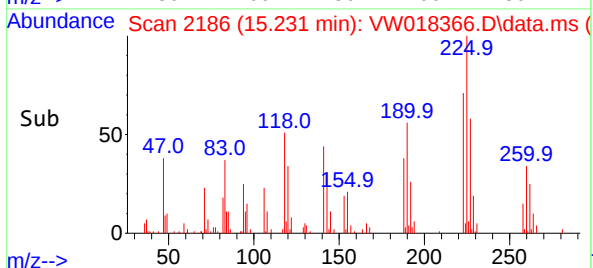
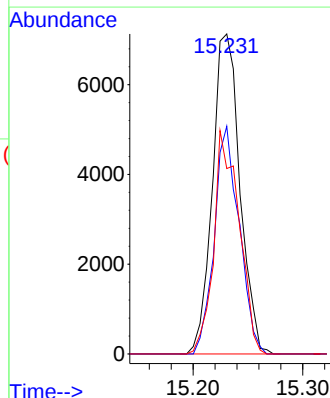
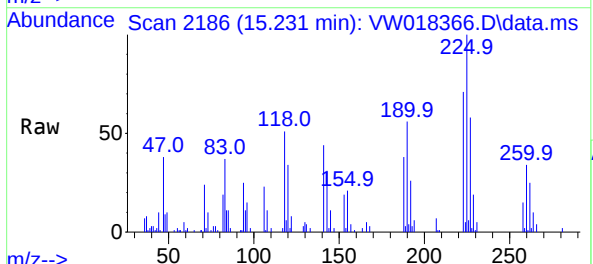
Manual Integrations
APPROVED

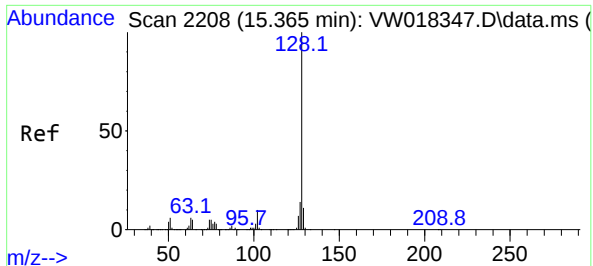
MMDadoda
3/19/2021 3:32:47 PM



#94
Hexachlorobutadiene
Concen: 4.26 ug/l
RT: 15.231 min Scan# 2186
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:	225	Resp:	12437
Ion Ratio	Lower	Upper	
225	100		
223	64.2	27.3	81.8
227	64.2	27.8	83.3





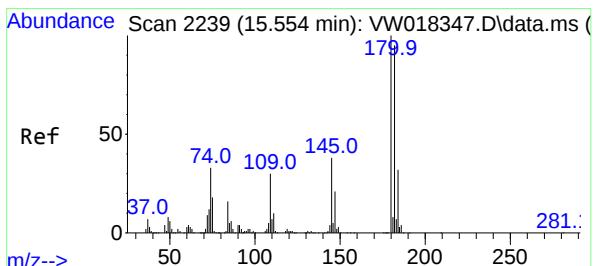
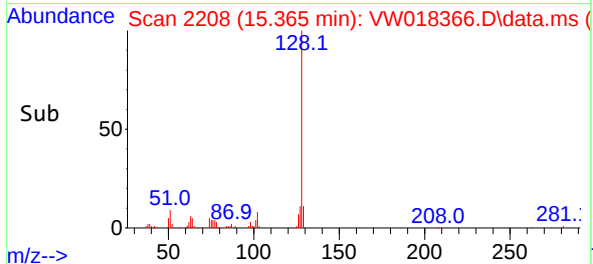
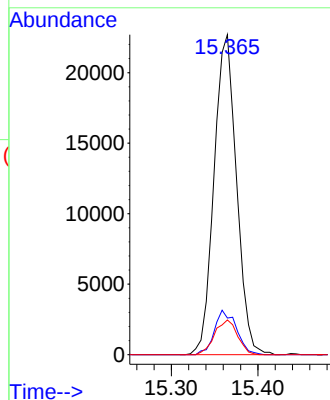
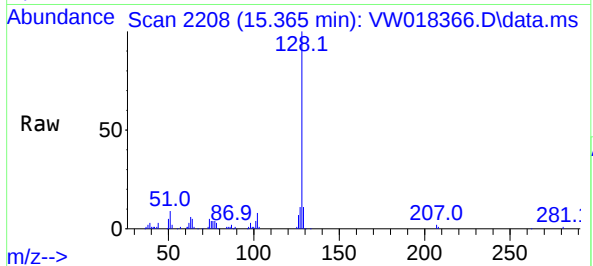
#95
Naphthalene
Concen: 4.31 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:	128	Resp:	40949
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.9	16.3
129	11.0	8.9	13.3

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations
APPROVED

MMDadoda
3/19/2021 3:32:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.48 ug/l
RT: 15.554 min Scan# 2239
Delta R.T. -0.000 min
Lab File: VW018366.D
Acq: 18 Mar 2021 12:37

Tgt Ion:	180	Resp:	19218
Ion Ratio	Lower	Upper	
180	100		
182	98.1	45.1	135.2
145	35.2	17.8	53.3

