

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062918\
 Data File : VW003664.D
 Acq On : 29 Jun 2018 16:50
 Operator : SY/AP
 Sample : J3762-01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Manual Integrations
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apatel
 7/2/2018 10:30:51 AM

Quant Time: Jun 30 04:41:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	178685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	296563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	143784	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	117445	60.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.36%	
35) Dibromofluoromethane	7.88	113	101282	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
50) Toluene-d8	10.33	98	379689	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.62	95	132719	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	1771	3.28	ug/l	72
3) Chloromethane	2.21	50	3483	2.55	ug/l	100
4) Vinyl Chloride	2.36	62	4907	2.47	ug/l	90
5) Bromomethane	2.78	94	3221	2.44	ug/l	94
6) Chloroethane	2.92	64	3041	2.20	ug/l	99
7) Trichlorofluoromethane	3.25	101	2864	2.40	ug/l	94
8) Diethyl Ether	3.67	74	2774	3.17	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	4.06	101	4330	2.62	ug/l	95
10) Methyl Iodide	4.26	142	5975	2.39	ug/l	96
11) Tert butyl alcohol	5.23	59	1978m	19.06	ug/l	
12) 1,1-Dichloroethene	4.04	96	4083	2.52	ug/l	100
13) Acrolein	3.89	56	1420	9.57	ug/l	98
14) Allyl chloride	4.66	41	7023	2.51	ug/l	96
15) Acrylonitrile	5.38	53	4953	13.75	ug/l	97
16) Acetone	4.14	43	8843	21.79	ug/l	93
17) Carbon Disulfide	4.37	76	12603	2.64	ug/l	98
18) Methyl Acetate	4.68	43	4464	4.64	ug/l #	74
19) Methyl tert-butyl Ether	5.44	73	7349	2.43	ug/l #	90
20) Methylene Chloride	4.92	84	14510	5.12	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	4626	2.63	ug/l #	79
22) Diisopropyl ether	6.32	45	11452	2.03	ug/l #	86
23) Vinyl Acetate	6.26	43	30214	9.30	ug/l	100
24) 1,1-Dichloroethane	6.21	63	8726	2.61	ug/l	98
25) 2-Butanone	7.18	43	8555	16.95	ug/l	100
26) 2,2-Dichloropropane	7.17	77	7259	3.25	ug/l	87
27) cis-1,2-Dichloroethene	7.17	96	4274	2.21	ug/l	72
28) Bromochloromethane	7.51	49	4503	3.23	ug/l	91
29) Tetrahydrofuran	7.54	42	4207	13.64	ug/l	95
30) Chloroform	7.68	83	8404	2.46	ug/l	91
31) Cyclohexane	7.95	56	11025	3.53	ug/l #	70
32) 1,1,1-Trichloroethane	7.87	97	6939	2.46	ug/l	97
36) 1,1-Dichloropropene	8.09	75	6531	2.28	ug/l	98
37) Ethyl Acetate	7.27	43	3109	2.62	ug/l	99
38) Carbon Tetrachloride	8.07	117	6274	2.23	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	6898	2.08	ug/l	95
40) Benzene	8.32	78	18592	2.36	ug/l	100
41) Methacrylonitrile	7.49	41	1615	2.22	ug/l	97
42) 1,2-Dichloroethane	8.40	62	6198	2.51	ug/l	96
43) Isopropyl Acetate	8.43	43	5837	2.48	ug/l #	81
44) Trichloroethene	9.09	130	4961	2.37	ug/l	97
45) 1,2-Dichloropropane	9.37	63	4722	2.35	ug/l	99
46) Dibromomethane	9.46	93	2394	2.33	ug/l	97
47) Bromodichloromethane	9.65	83	6178	2.34	ug/l #	96
48) Methyl methacrylate	9.44	41	2346	2.12	ug/l	97
49) 1,4-Dioxane	9.48	88	795	51.16	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	13800	11.50	ug/l	95
52) Toluene	10.39	92	12186	2.41	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	5828	2.16	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	6444	2.10	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	3309	2.28	ug/l #	87
56) Ethyl methacrylate	10.65	69	3577	2.03	ug/l #	83
57) 1,3-Dichloropropane	10.94	76	5975	2.39	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	8195	10.38	ug/l	99
59) 2-Hexanone	10.98	43	9491	11.32	ug/l	93
60) Dibromochloromethane	11.13	129	3908	2.27	ug/l	97
61) 1,2-Dibromoethane	11.24	107	3351	2.44	ug/l	97
64) Tetrachloroethene	10.87	164	4452	2.38	ug/l	94
65) Chlorobenzene	11.66	112	12757	2.19	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	4295	2.10	ug/l	97
67) Ethyl Benzene	11.74	91	21121	2.04	ug/l	96
68) m/p-Xylenes	11.84	106	15140	3.85	ug/l	96
69) o-Xylene	12.17	106	6625	1.82	ug/l	97
70) Styrene	12.19	104	10761	1.78	ug/l	99
71) Bromoform	12.35	173	2132	2.01	ug/l #	98
73) Isopropylbenzene	12.47	105	18005	1.80	ug/l	100
74) N-amyl acetate	12.28	43	4812	2.11	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	4184	2.47	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	3426m	2.79	ug/l	
77) Bromobenzene	12.75	156	5153	2.21	ug/l	96
78) n-propylbenzene	12.81	91	24545	2.00	ug/l	98
79) 2-Chlorotoluene	12.90	91	14525	2.10	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	15553	1.85	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	983m	1.84	ug/l	
82) 4-Chlorotoluene	12.99	91	15265	2.08	ug/l	98
83) tert-Butylbenzene	13.21	119	13246	1.85	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	15595	1.81	ug/l	97
85) sec-Butylbenzene	13.39	105	18610	1.75	ug/l	96
86) p-Isopropyltoluene	13.51	119	15823	1.69	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	10065	2.10	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	11357	2.39	ug/l	86
89) n-Butylbenzene	13.83	91	16875	1.85	ug/l	96
90) Hexachloroethane	14.10	117	3635	2.14	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	9360	2.23	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	802	2.82	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	6054	2.06	ug/l	99
94) Hexachlorobutadiene	15.25	225	3840	2.17	ug/l	95
95) Naphthalene	15.38	128	9142	1.83	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	5664	2.19	ug/l	97

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

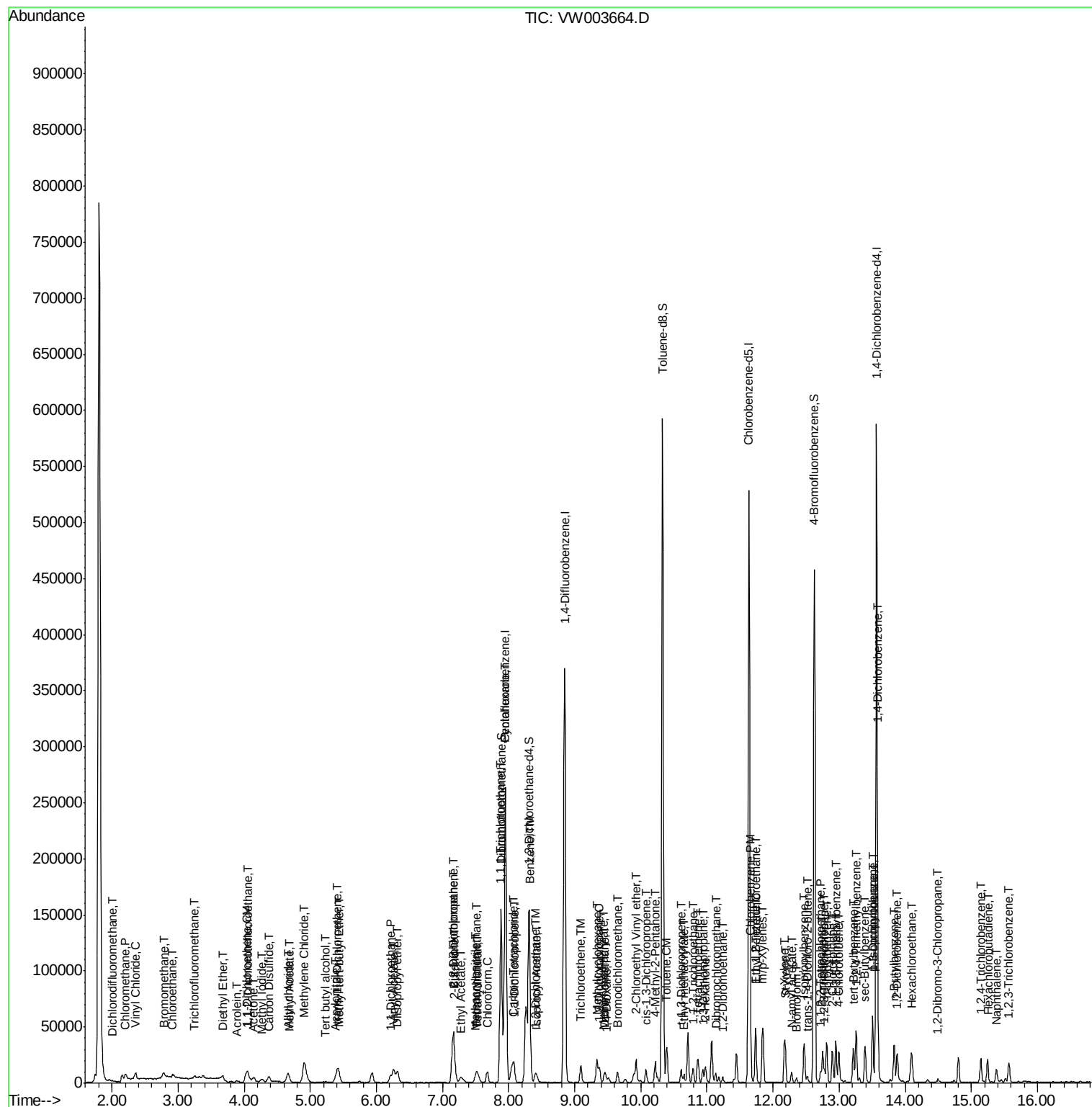
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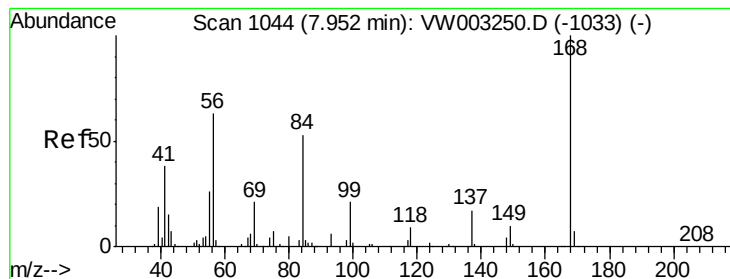
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:168 Resp: 178685

Ion Ratio Lower Upper

168 100

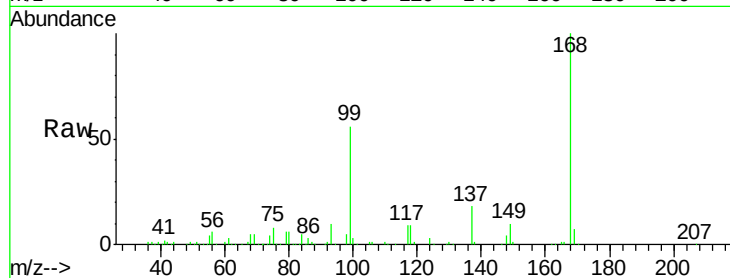
99 56.0 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

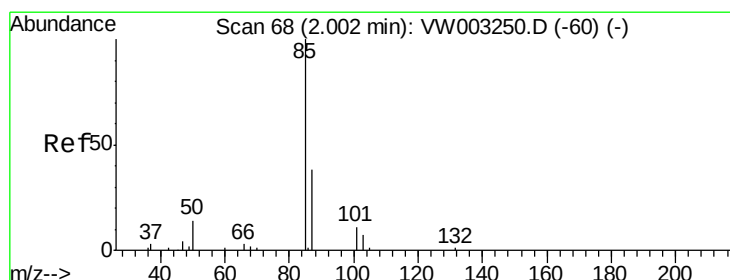
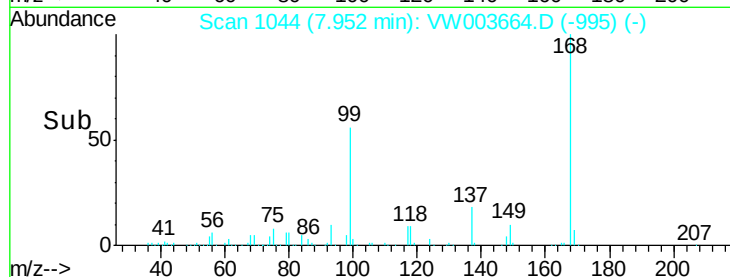
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 3.28 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003664.D

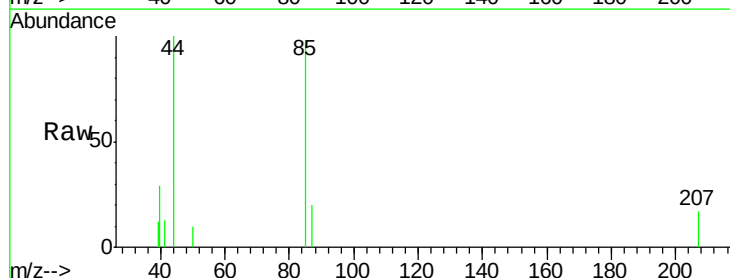
Acq: 29 Jun 2018 16:50

Tgt Ion: 85 Resp: 1771

Ion Ratio Lower Upper

85 100

87 20.8 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

1000

800

600

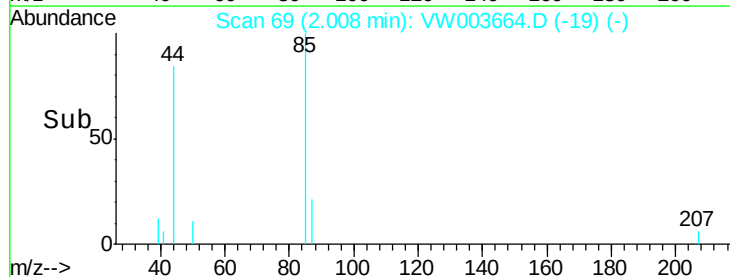
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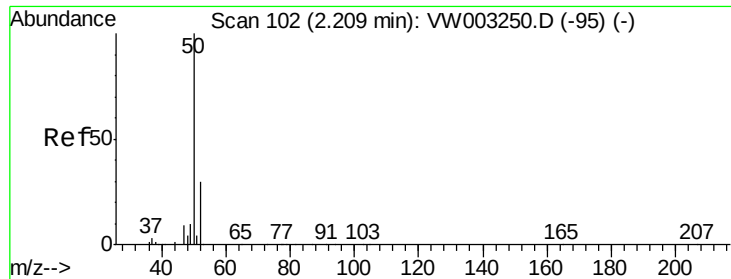
200

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 2.55 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 50 Resp: 3483

Ion Ratio Lower Upper

50 100

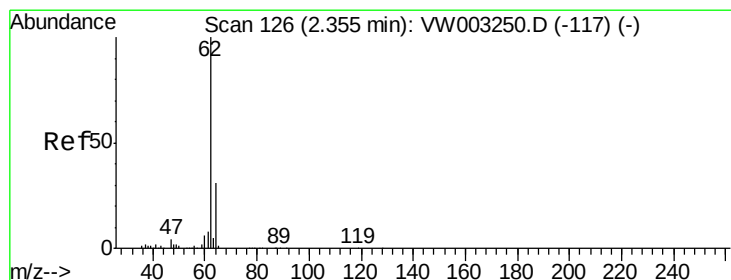
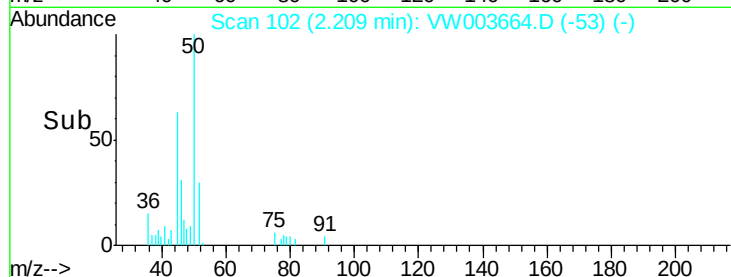
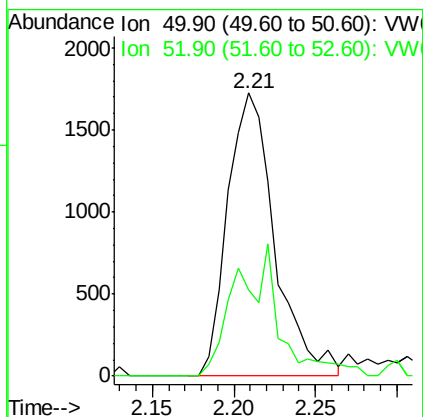
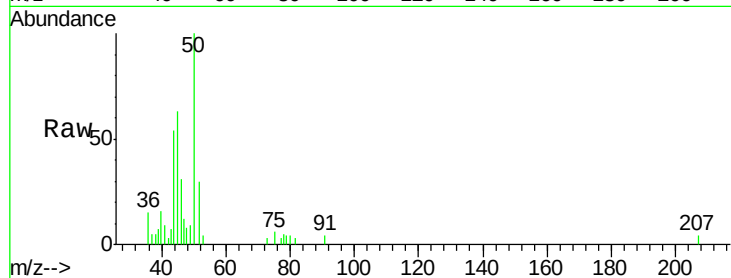
52 30.4 24.2 36.2

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#4

Vinyl Chloride

Concen: 2.47 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003664.D

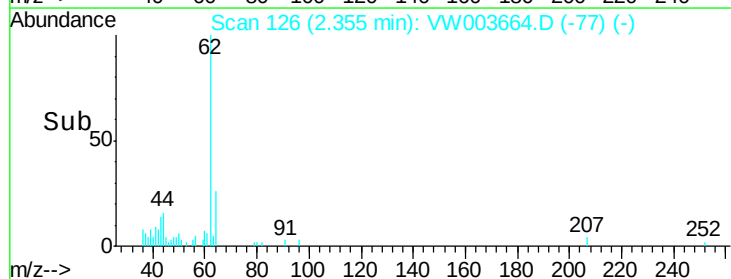
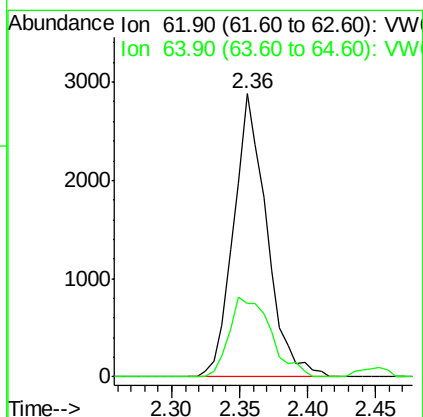
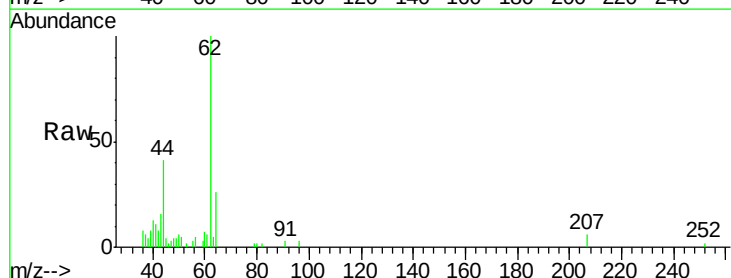
Acq: 29 Jun 2018 16:50

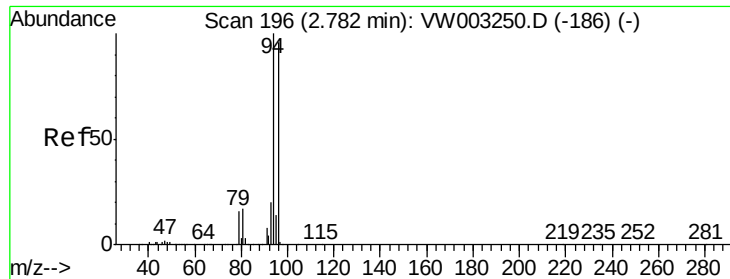
Tgt Ion: 62 Resp: 4907

Ion Ratio Lower Upper

62 100

64 25.8 24.9 37.3





#5

Bromomethane

Concen: 2.44 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 3221

Ion Ratio Lower Upper

94 100

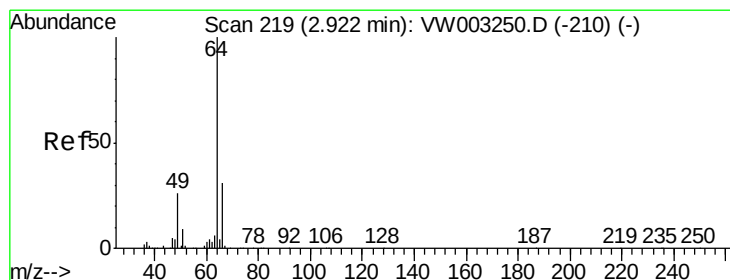
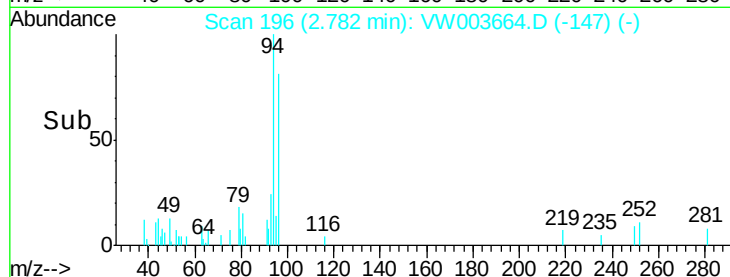
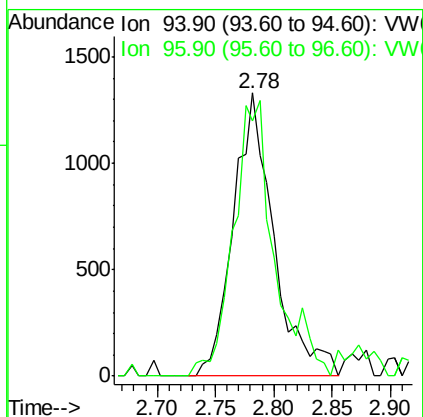
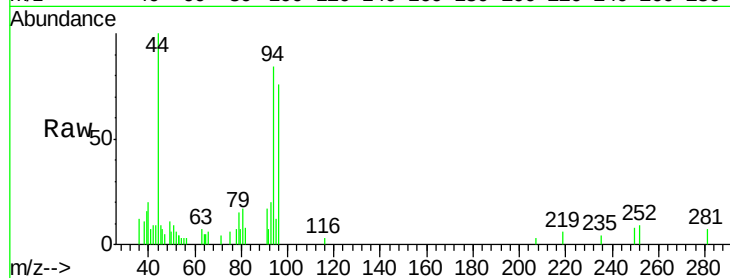
96 90.1 76.5 114.7

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#6

Chloroethane

Concen: 2.20 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003664.D

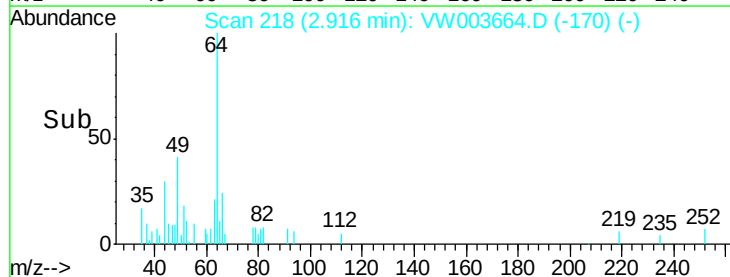
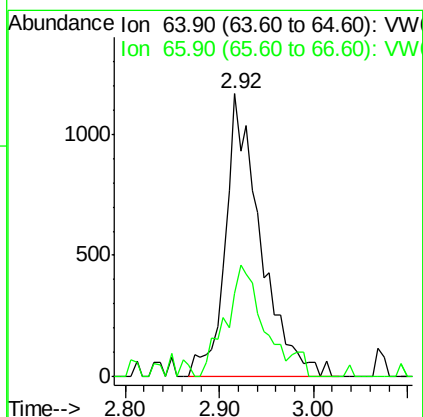
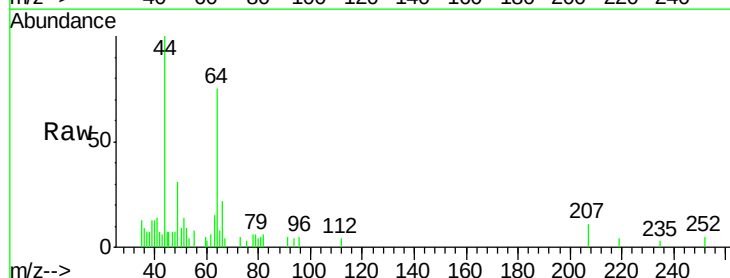
Acq: 29 Jun 2018 16:50

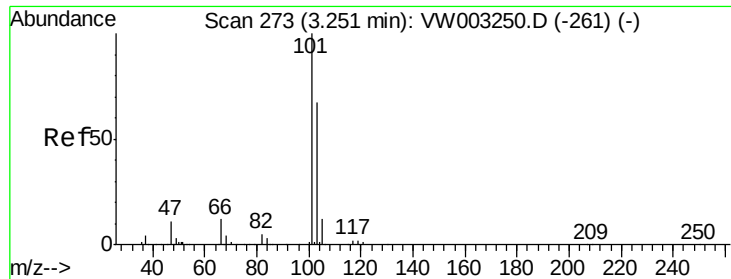
Tgt Ion: 64 Resp: 3041

Ion Ratio Lower Upper

64 100

66 29.8 24.4 36.6





#7

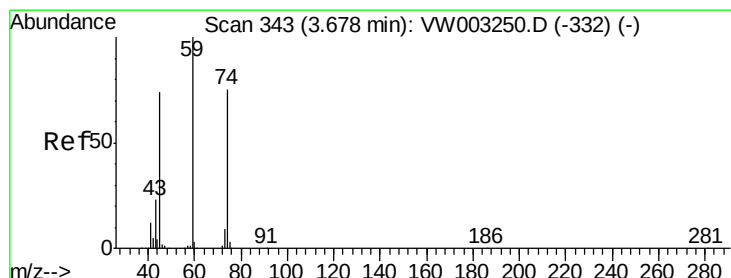
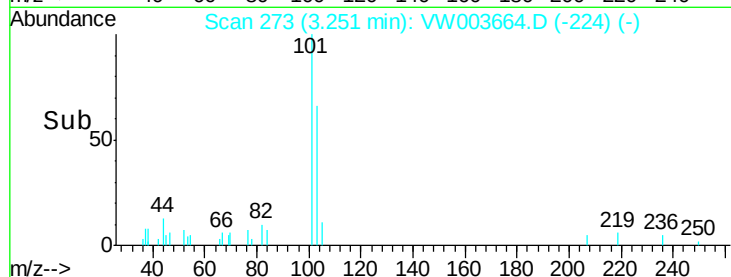
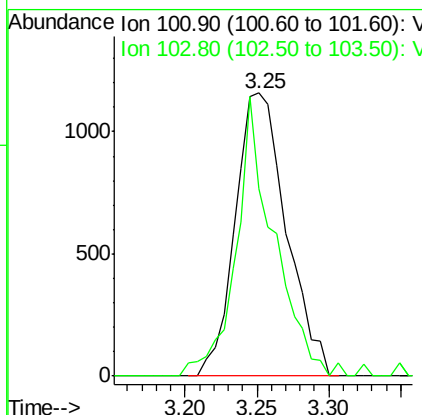
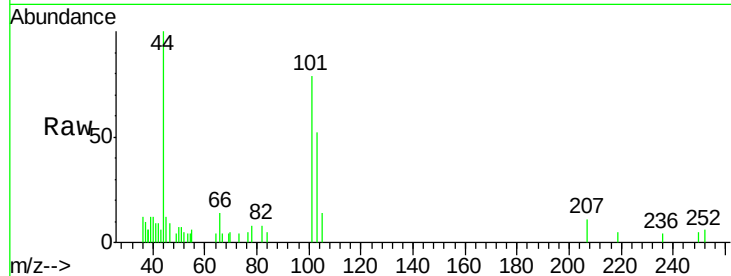
Trichlorofluoromethane
Concen: 2.40 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	53.4	80.0

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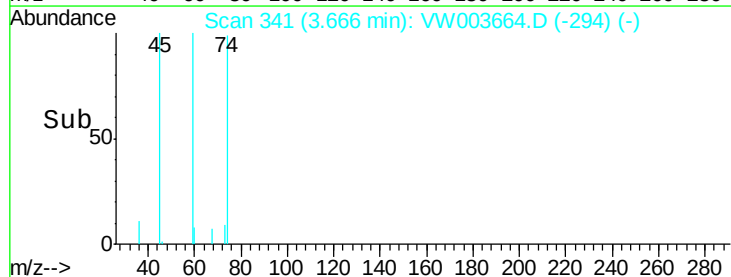
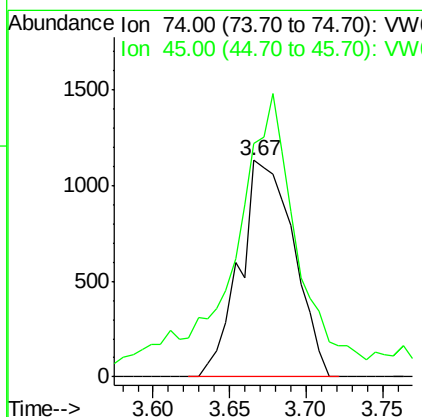
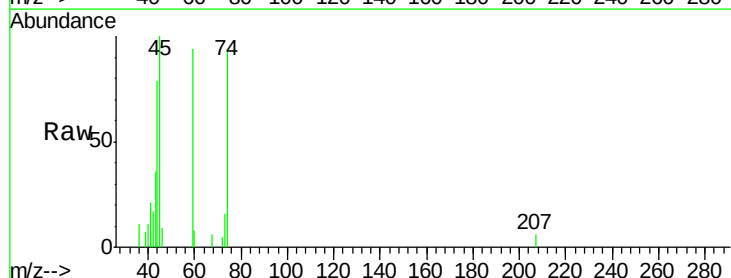
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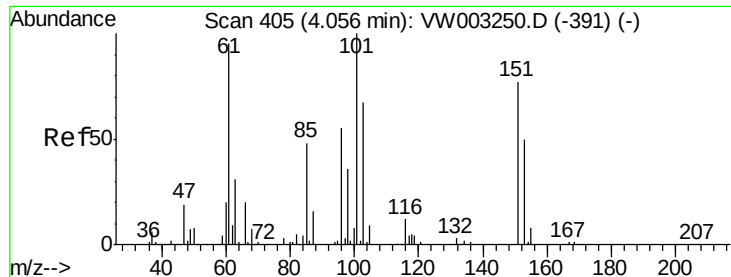


#8

Diethyl Ether
Concen: 3.17 ug/l
RT: 3.67 min Scan# 341
Delta R.T. -0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.4	51.4	154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.62 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

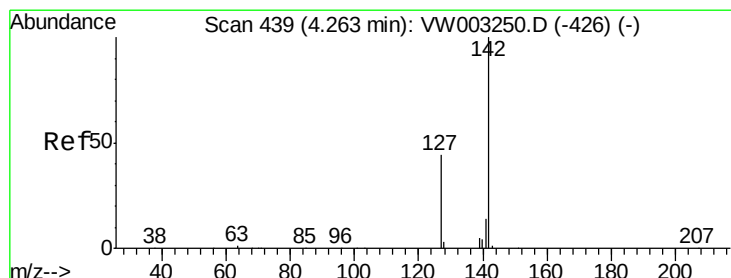
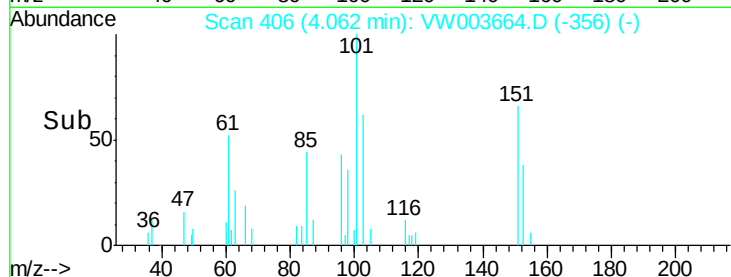
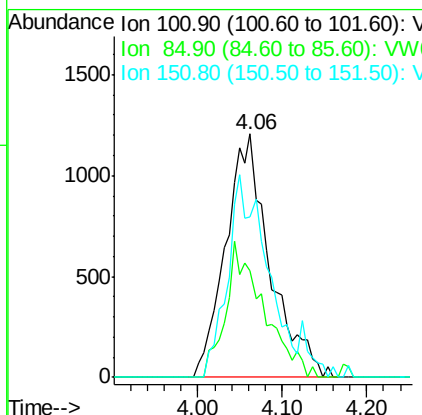
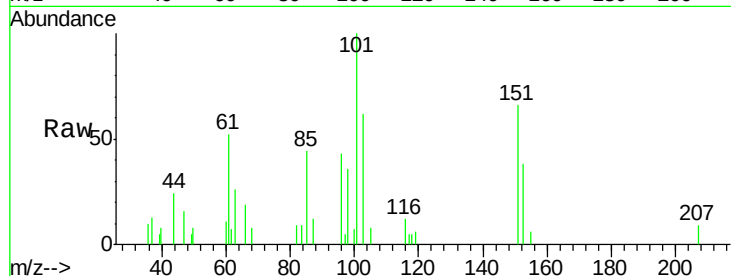
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	101	Resp:	4330
Ion Ratio	Lower	Upper	
101	100		
85	47.8	37.0	55.6
151	73.3	63.3	94.9

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#10

Methyl Iodide

Concen: 2.39 ug/l

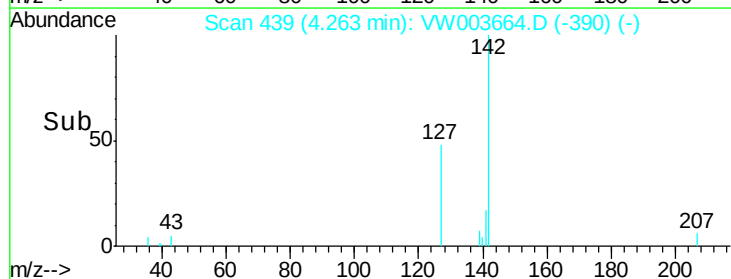
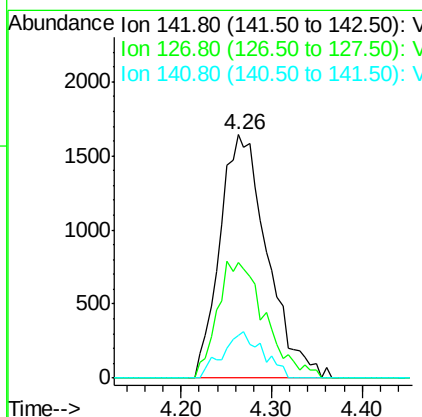
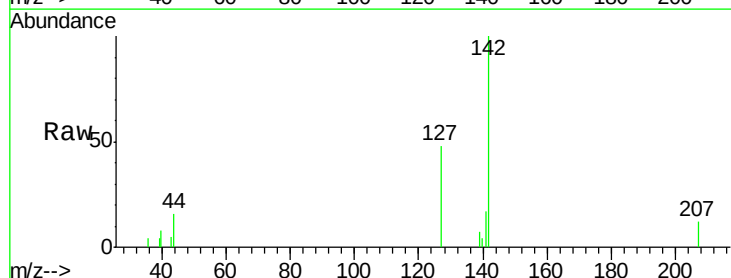
RT: 4.26 min Scan# 439

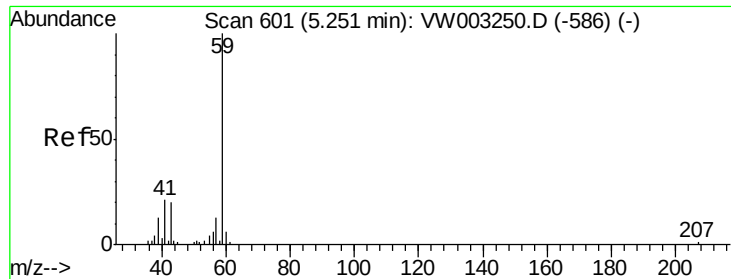
Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Tgt Ion:	142	Resp:	5975
Ion Ratio	Lower	Upper	
142	100		
127	48.3	36.5	54.7
141	16.0	12.1	18.1





#11

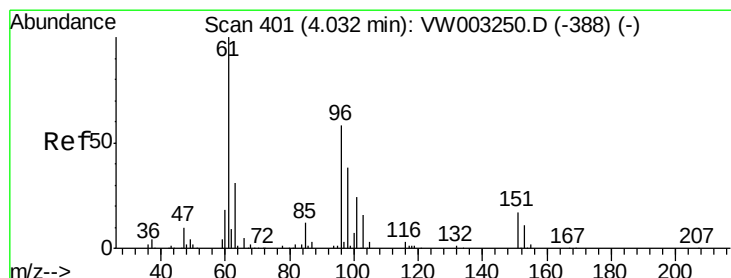
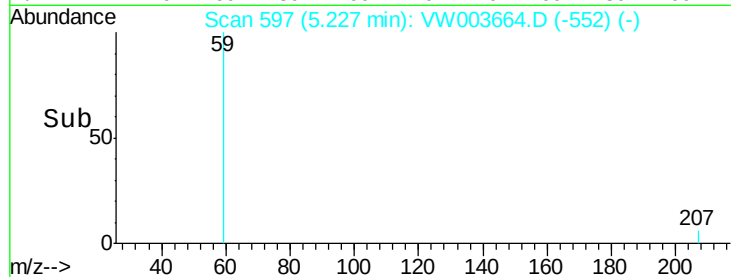
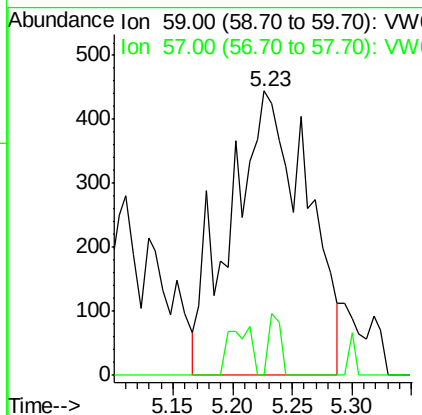
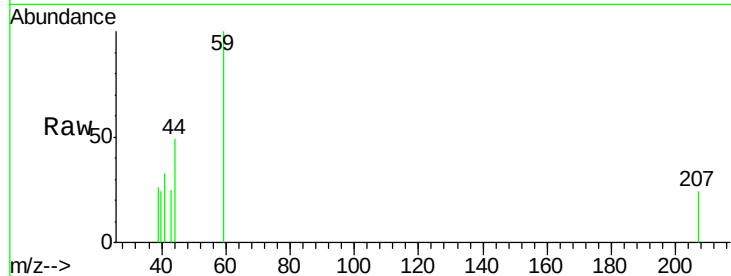
Tert butyl alcohol
 Concen: 19.06 ug/l m
 RT: 5.23 min Scan# 597
 Delta R.T. -0.02 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 59 Resp: 1978
 Ion Ratio Lower Upper
 59 100
 57 3.2 4.2 6.2#

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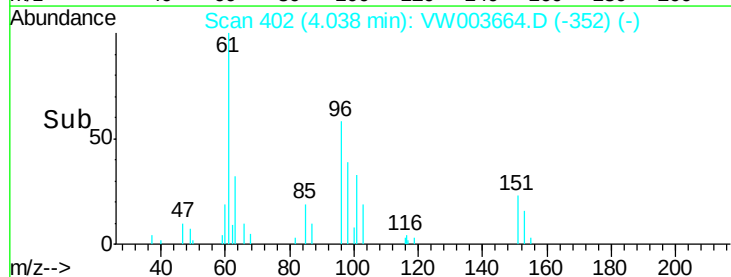
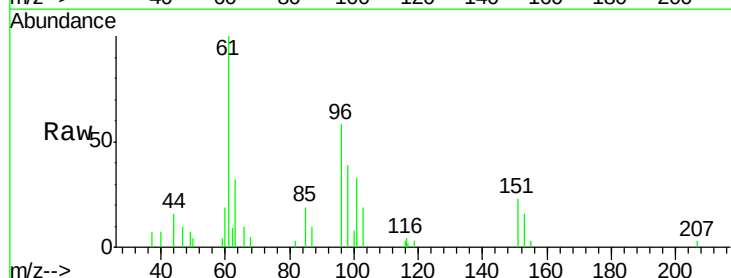
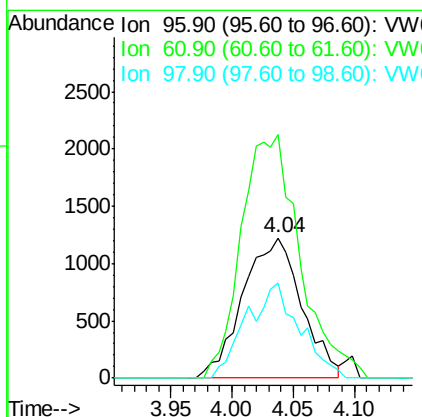
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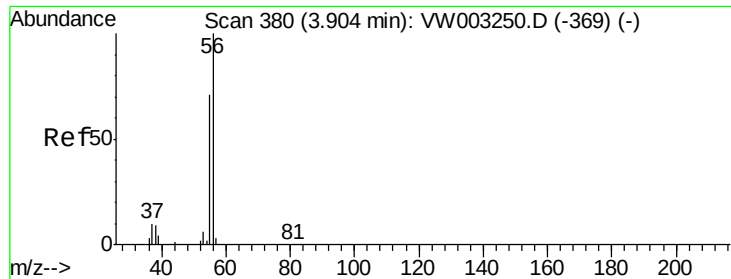


#12

1,1-Dichloroethene
 Concen: 2.52 ug/l
 RT: 4.04 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Tgt Ion: 96 Resp: 4083
 Ion Ratio Lower Upper
 96 100
 61 173.8 139.0 208.4
 98 67.5 53.3 79.9





#13

Acrolein

Concen: 9.57 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.02 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 56 Resp: 1420

Ion Ratio Lower Upper

56 100

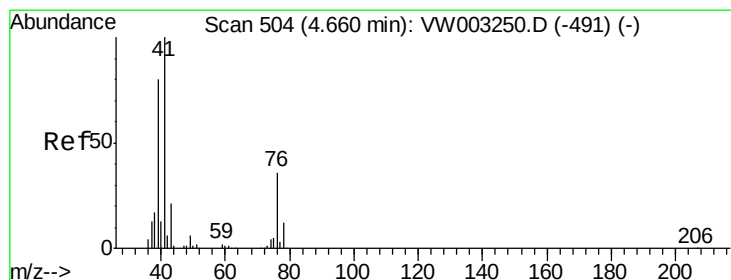
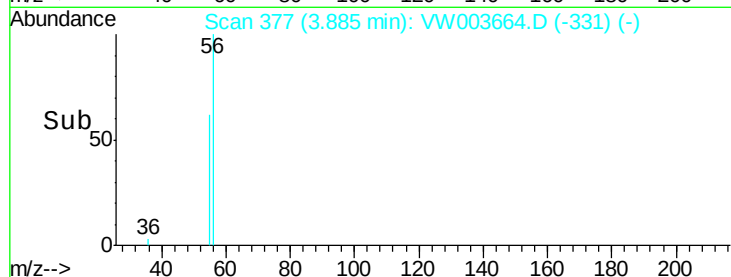
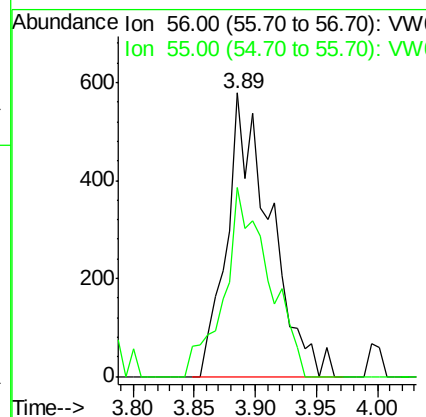
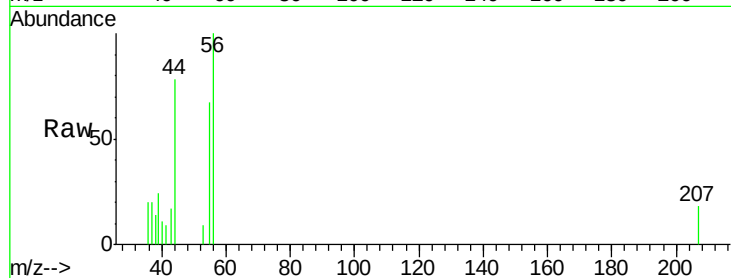
55 67.8 55.4 83.2

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#14

Allyl chloride

Concen: 2.51 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

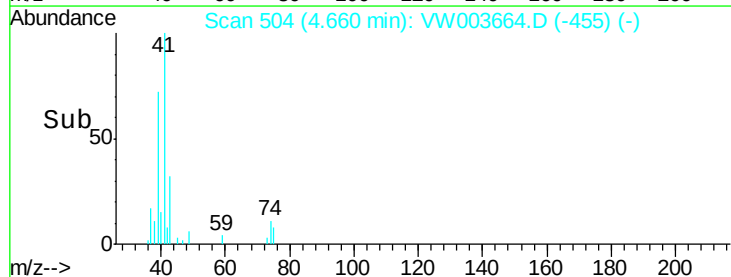
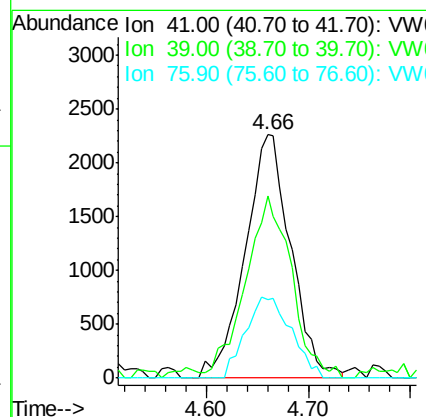
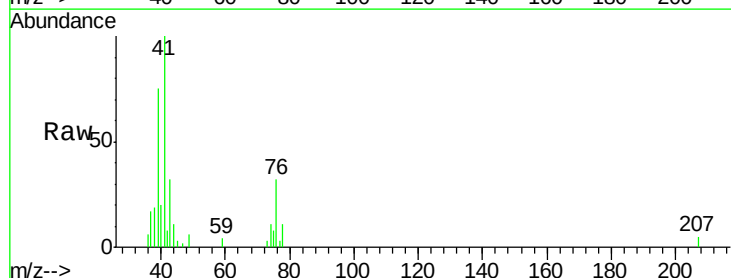
Tgt Ion: 41 Resp: 7023

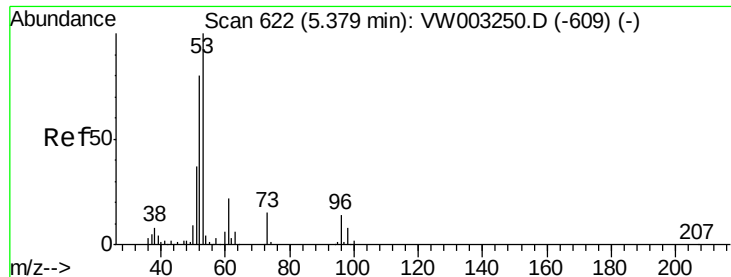
Ion Ratio Lower Upper

41 100

39 75.6 63.2 94.8

76 33.1 28.0 42.0





#15

Acrylonitrile

Concen: 13.75 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

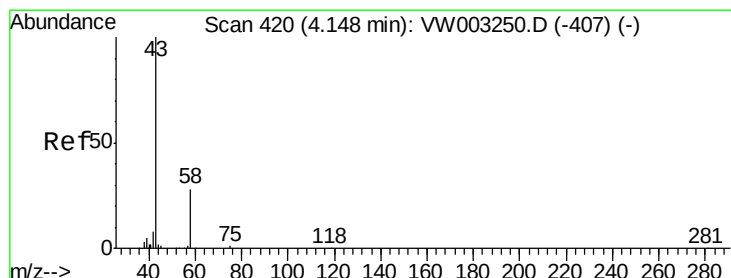
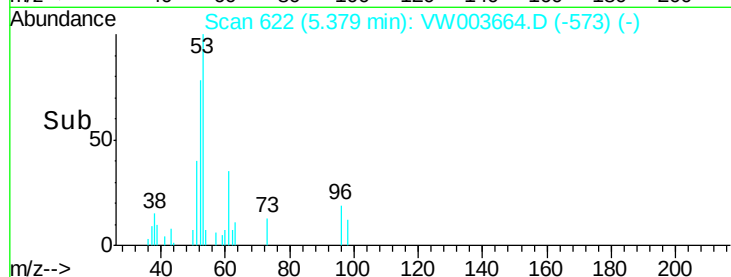
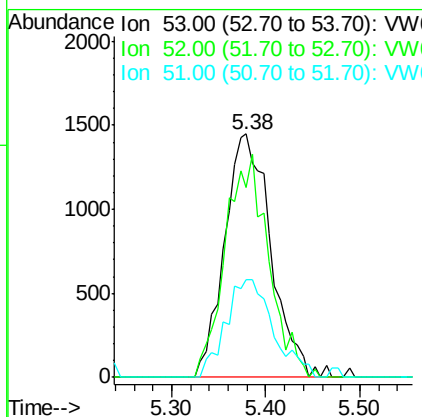
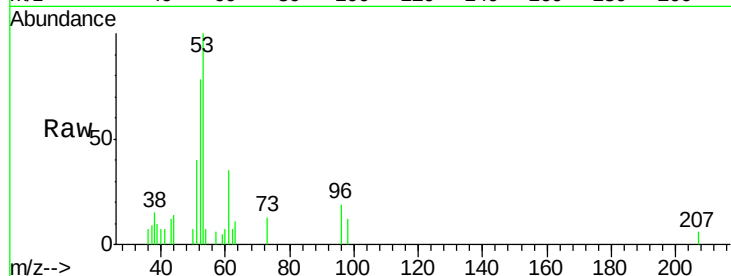
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	53	Resp:	4953
Ion	Ratio	Lower	Upper
53	100		
52	85.8	66.6	100.0
51	41.3	30.6	46.0

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#16

Acetone

Concen: 21.79 ug/l

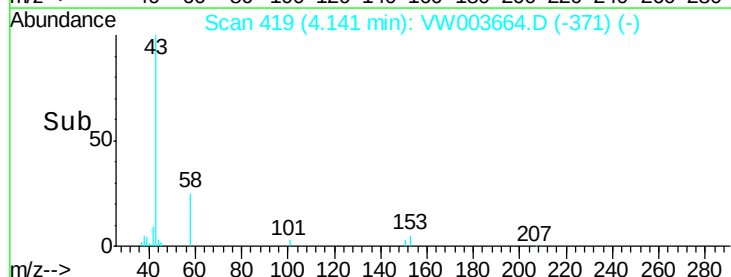
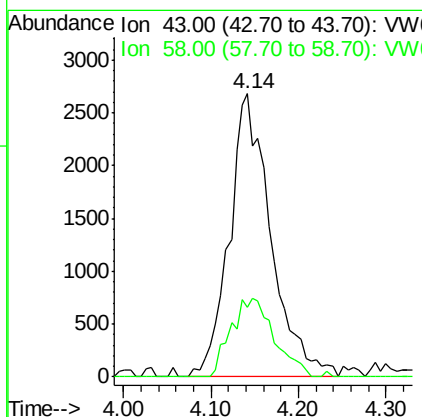
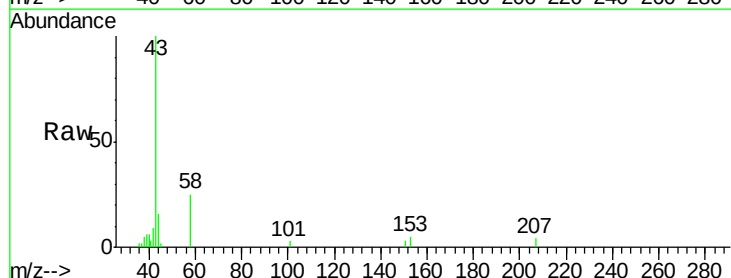
RT: 4.14 min Scan# 419

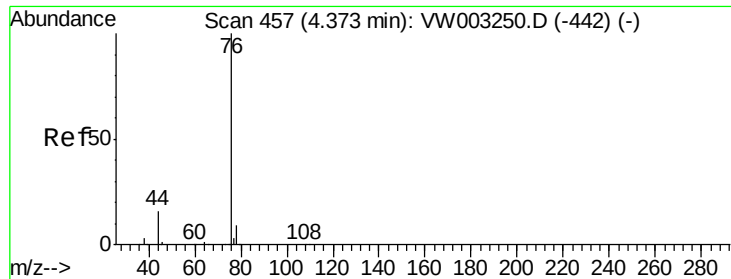
Delta R.T. -0.01 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Tgt Ion:	43	Resp:	8843
Ion	Ratio	Lower	Upper
43	100		
58	24.5	22.6	34.0





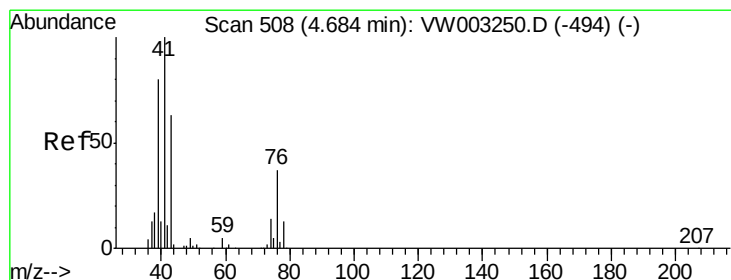
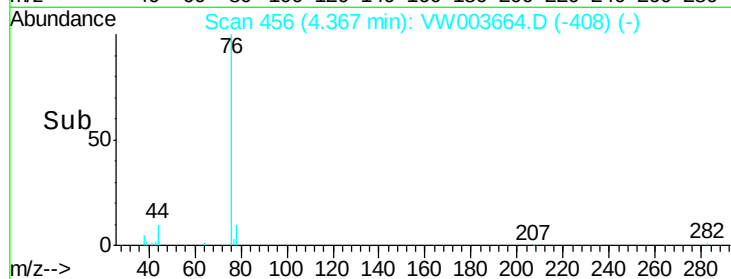
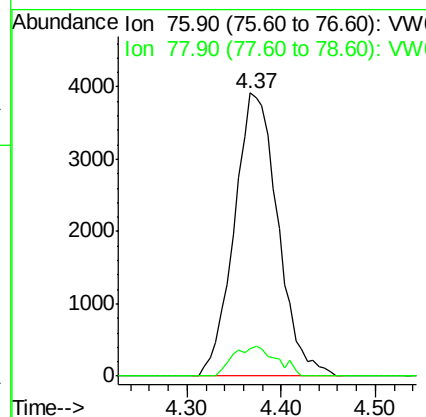
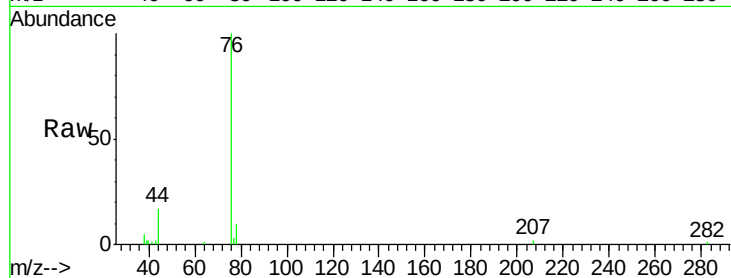
#17
Carbon Disulfide
Concen: 2.64 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

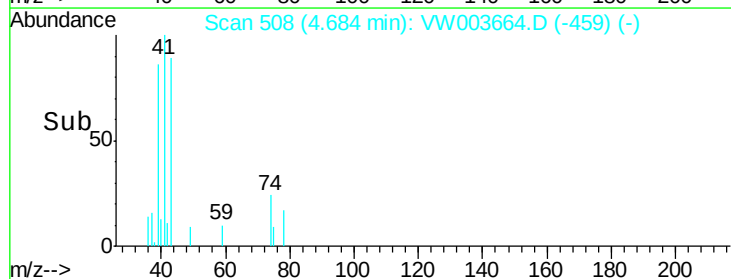
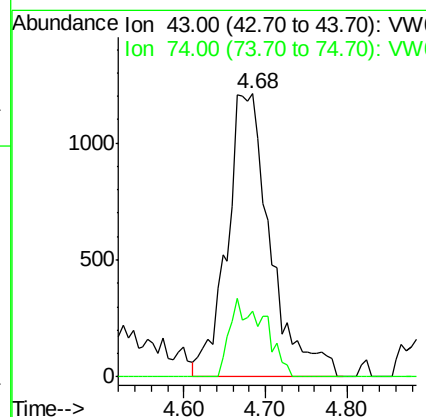
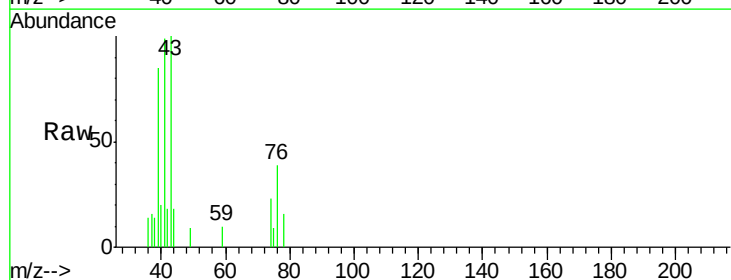
Manual Integrations
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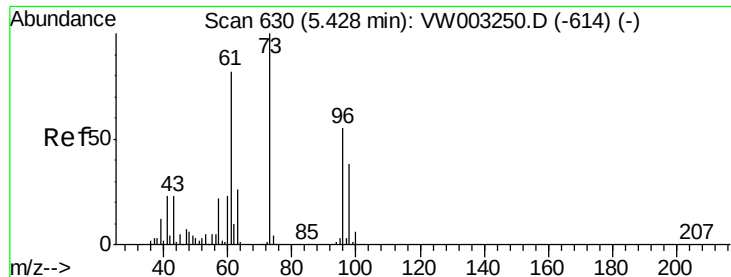
apatel
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#18
Methyl Acetate
Concen: 4.64 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	10.9	18.7	28.1#





#19

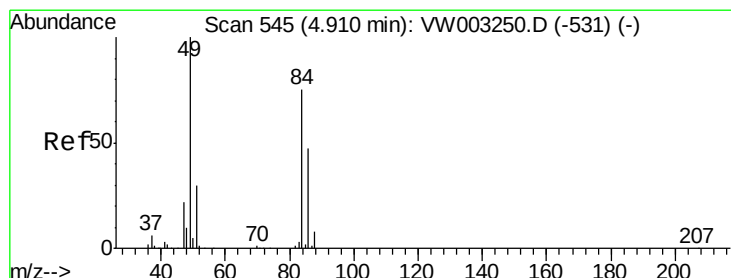
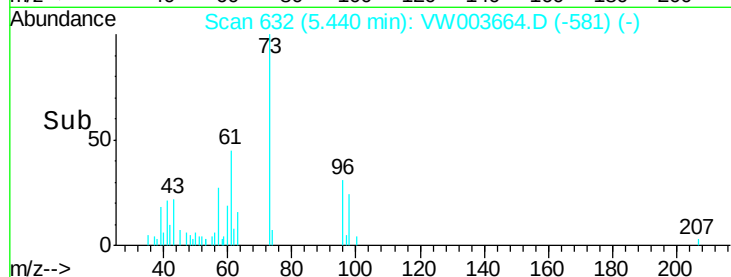
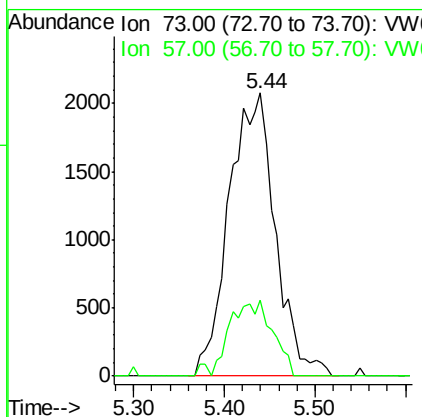
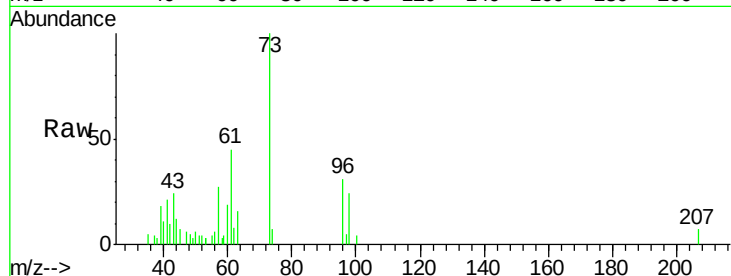
Methyl tert-butyl Ether
 Concen: 2.43 ug/l
 RT: 5.44 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 73 Resp: 7349
 Ion Ratio Lower Upper
 73 100
 57 27.1 18.0 27.0#

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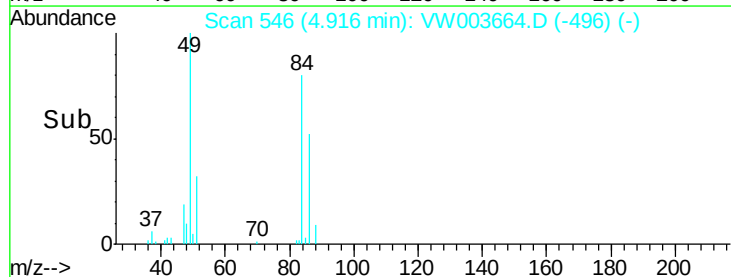
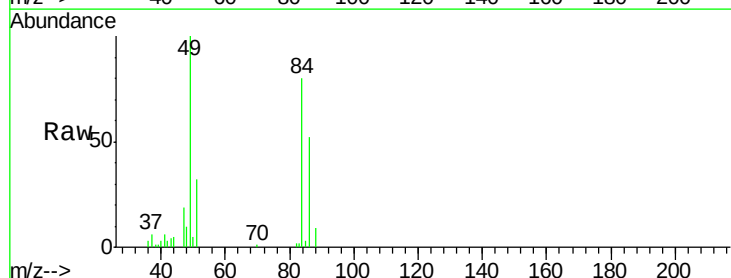
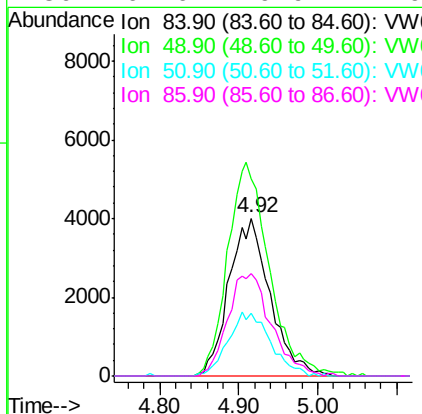
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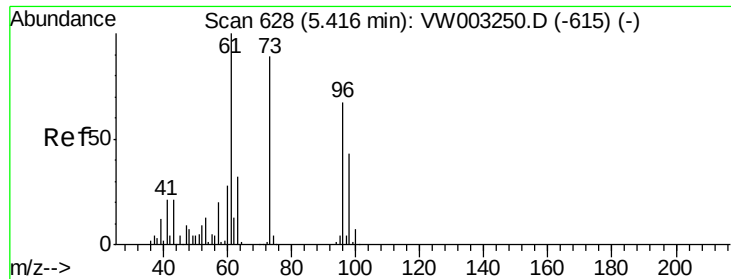


#20

Methylene Chloride
 Concen: 5.12 ug/l
 RT: 4.92 min Scan# 546
 Delta R.T. 0.01 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Tgt Ion: 84 Resp: 14510
 Ion Ratio Lower Upper
 84 100
 49 125.0 106.3 159.5
 51 39.6 32.0 48.0
 86 64.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 2.63 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.01 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

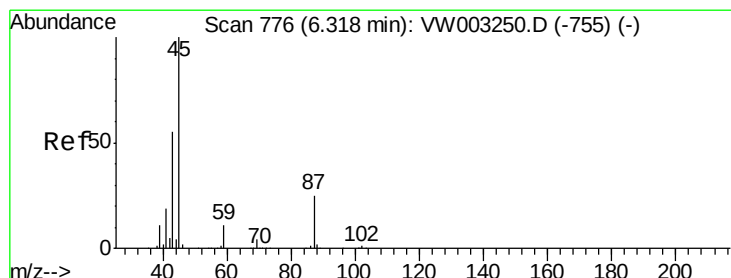
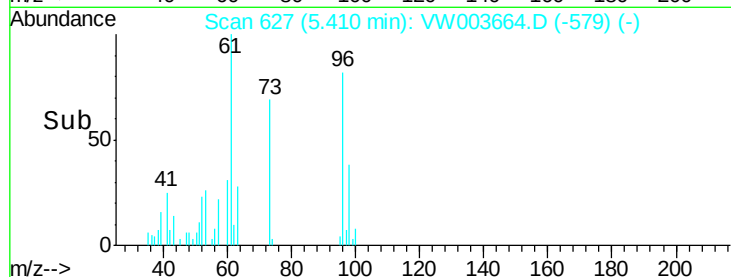
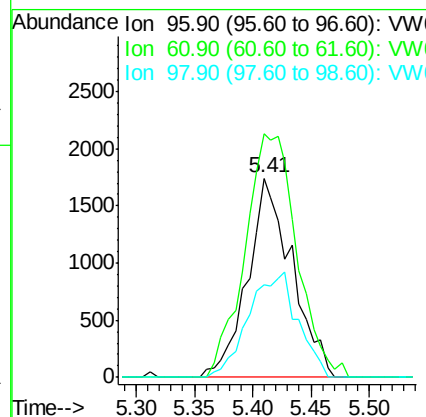
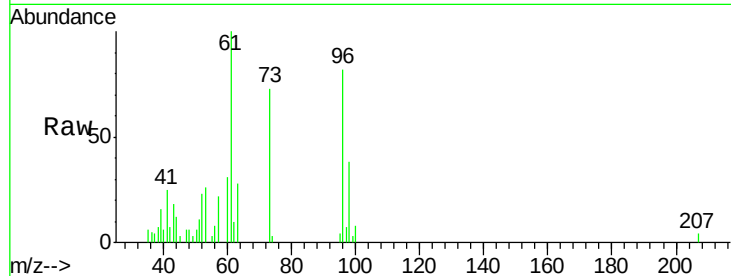
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	96	Resp:	4626
Ion	Ratio	Lower	Upper
96	100		
61	122.1	118.7	178.1
98	46.4	51.0	76.6#

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#22

Diisopropyl ether

Concen: 2.03 ug/l

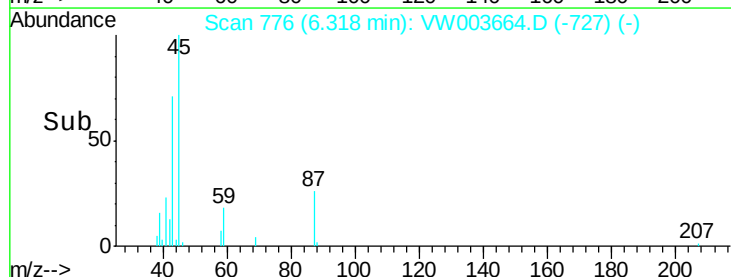
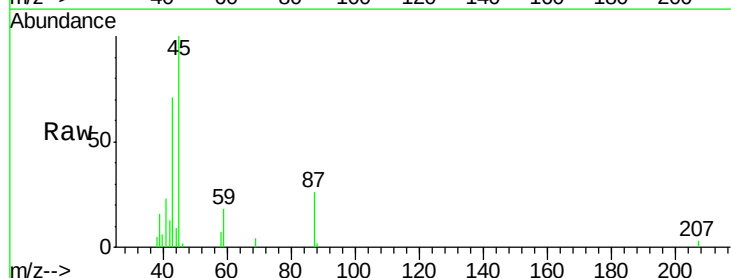
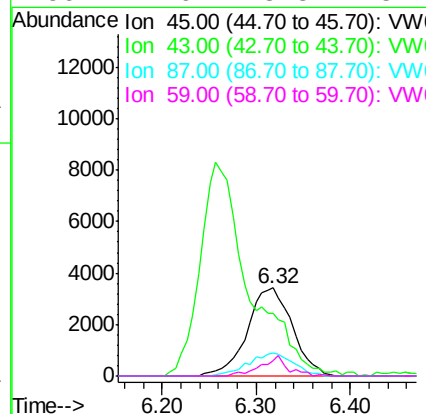
RT: 6.32 min Scan# 776

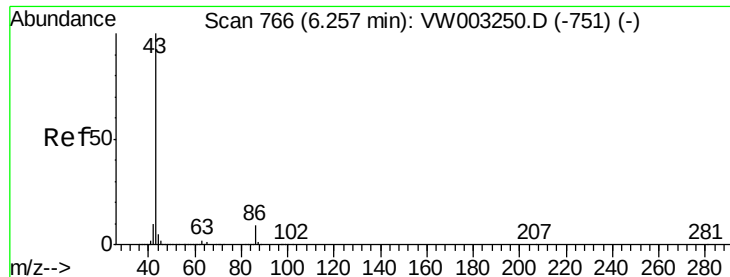
Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Tgt Ion:	45	Resp:	11452
Ion	Ratio	Lower	Upper
45	100		
43	69.1	44.0	66.0#
87	26.3	20.6	31.0
59	17.9	8.8	13.2#





#23

Vinyl Acetate

Concen: 9.30 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 43 Resp: 30214

Ion Ratio Lower Upper

43 100

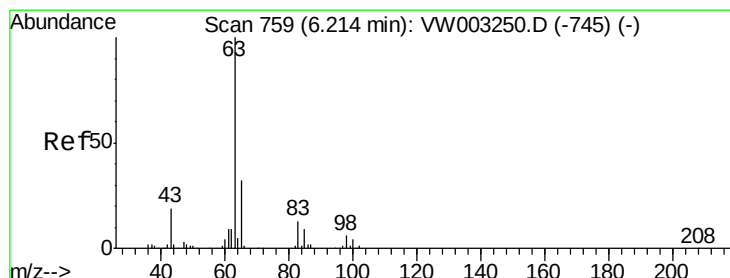
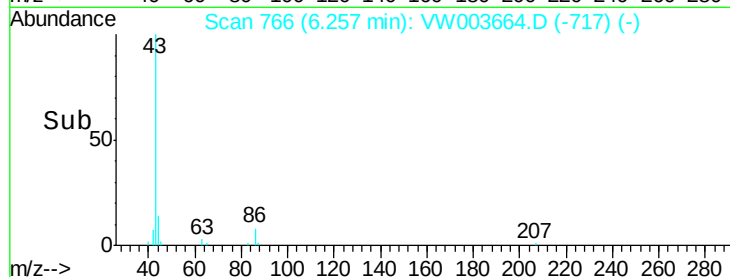
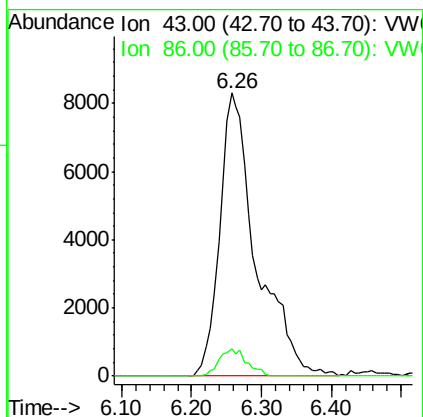
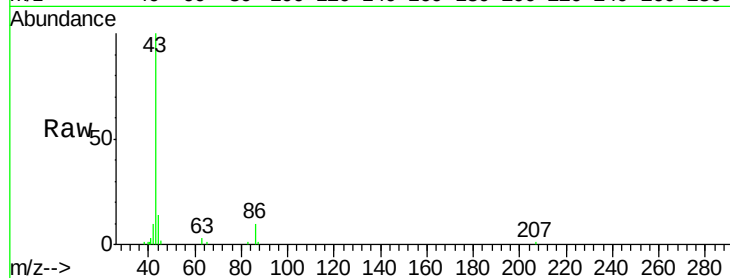
86 9.6 7.5 11.3

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#24

1,1-Dichloroethane

Concen: 2.61 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

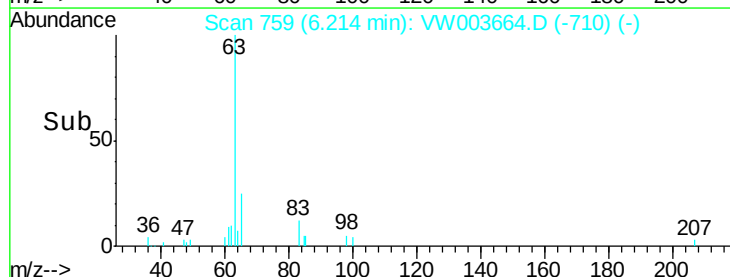
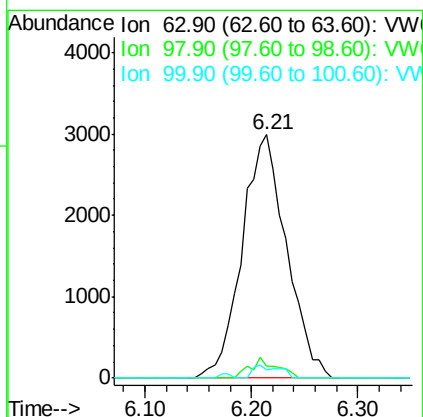
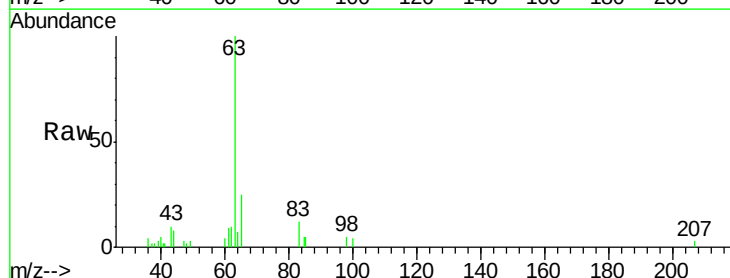
Tgt Ion: 63 Resp: 8726

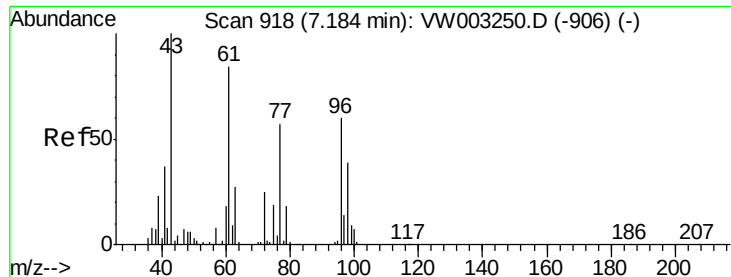
Ion Ratio Lower Upper

63 100

98 4.7 2.8 8.3

100 3.5 2.1 6.5





#25

2-Butanone

Concen: 16.95 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

ClientSampled :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 43 Resp: 8555

Ion Ratio Lower Upper

43 100

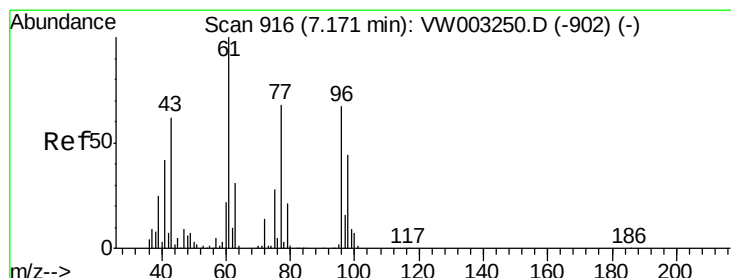
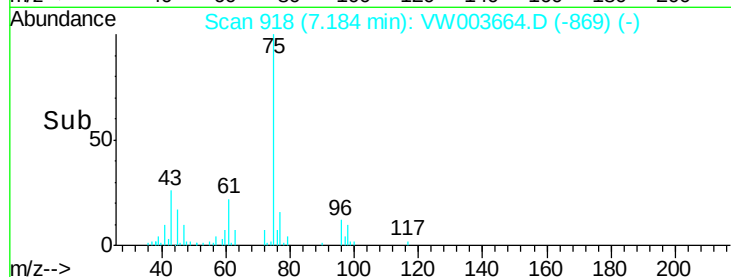
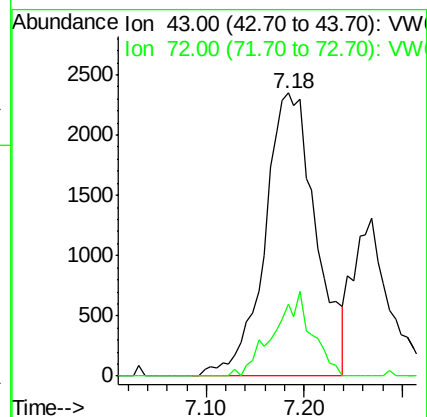
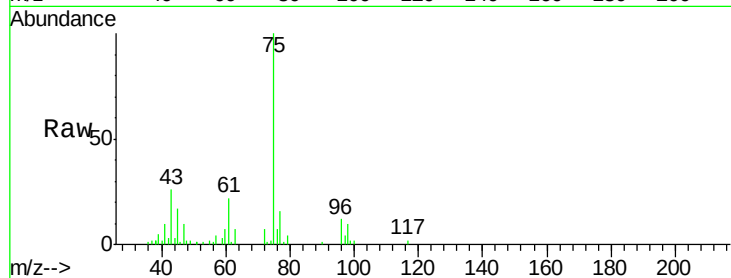
72 25.4 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 3.25 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003664.D

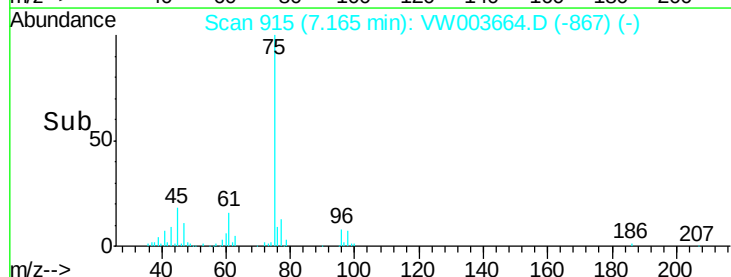
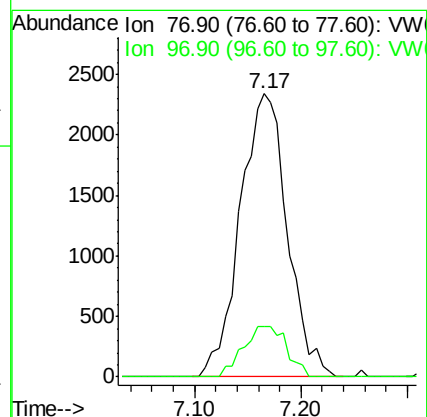
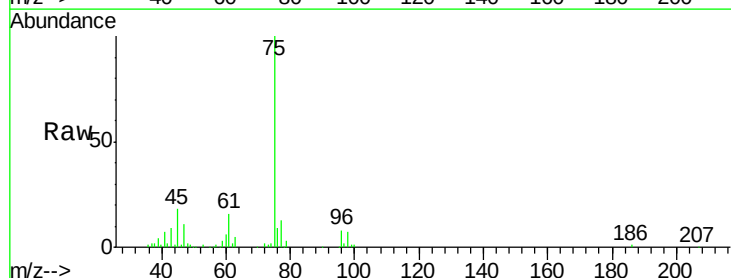
Acq: 29 Jun 2018 16:50

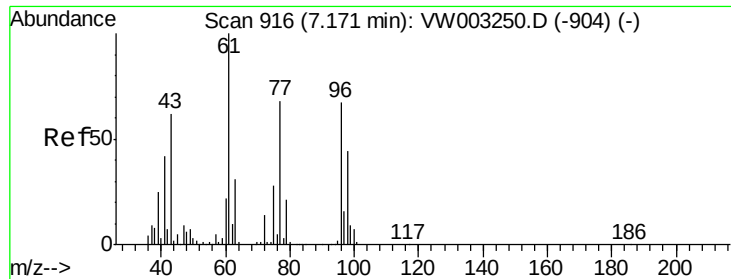
Tgt Ion: 77 Resp: 7259

Ion Ratio Lower Upper

77 100

97 16.5 11.3 33.9





#27

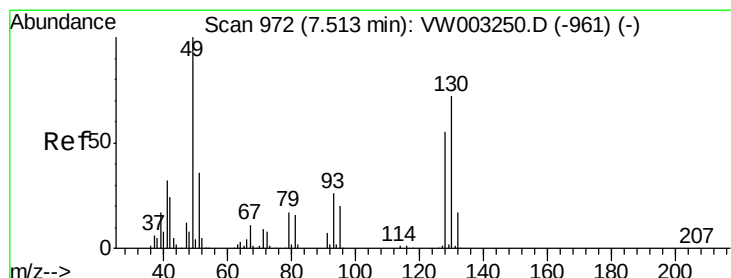
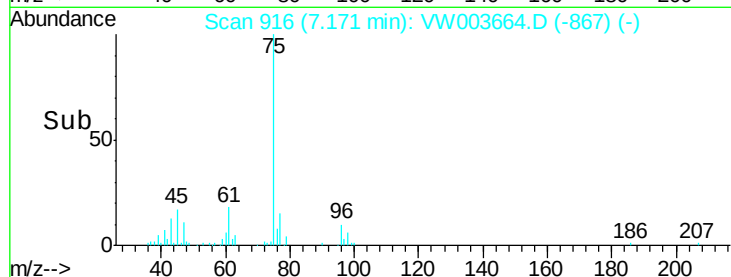
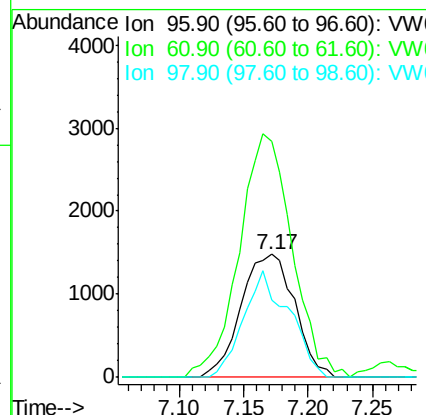
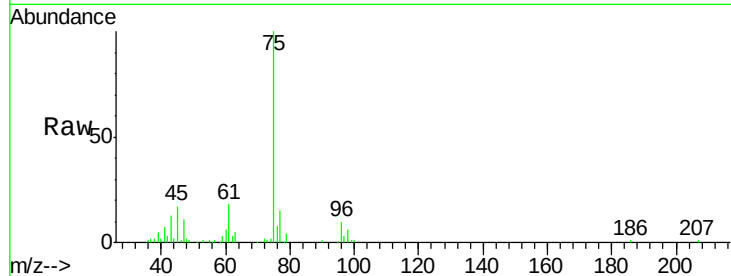
cis-1,2-Dichloroethene
Concen: 2.21 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
96	100		
61	194.2	0.0	298.8
98	73.4	0.0	130.4

Manual Integrations
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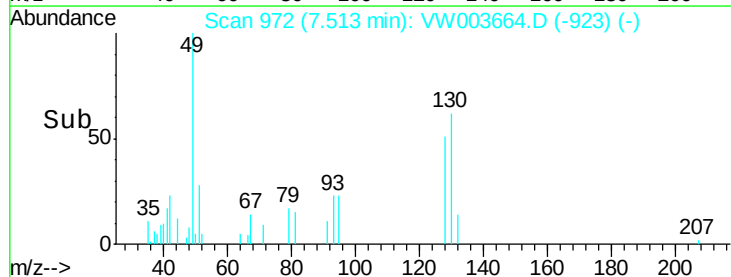
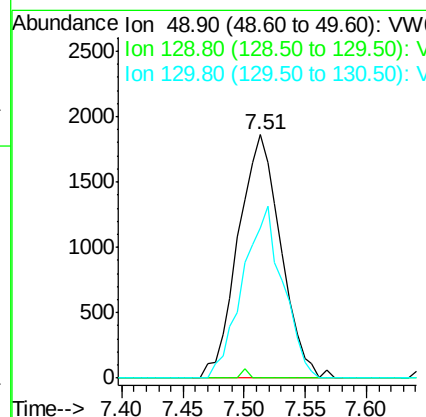
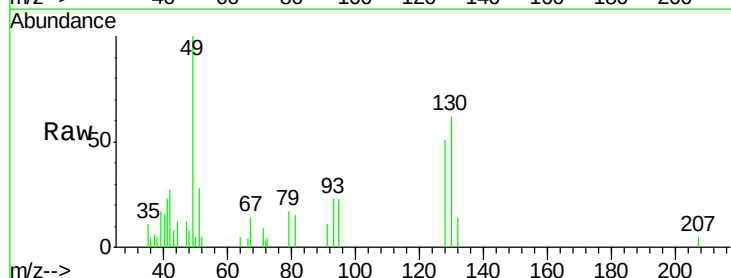
apatel
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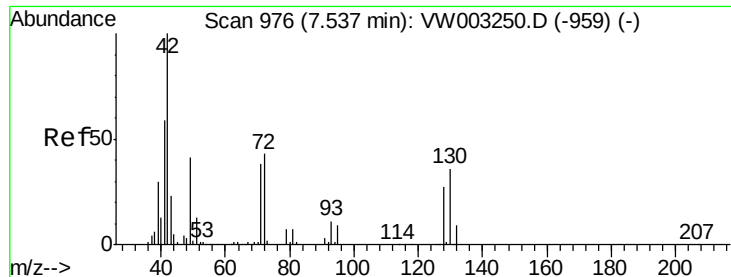


#28

Bromochloromethane
Concen: 3.23 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.6
130	66.9	59.4	89.2





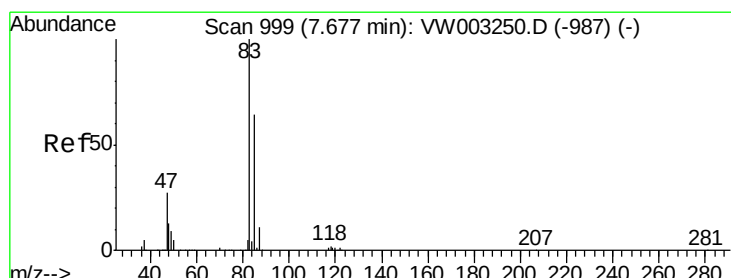
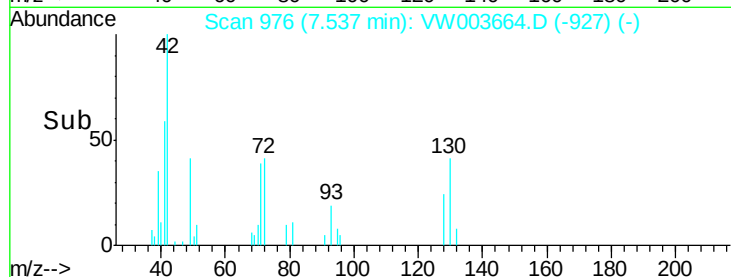
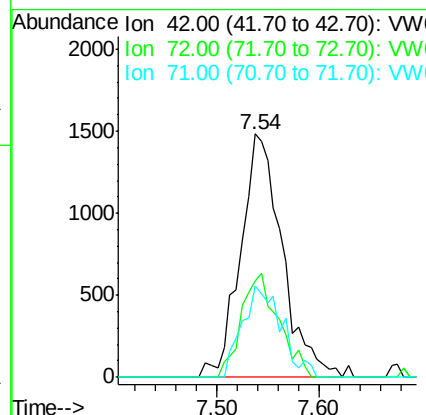
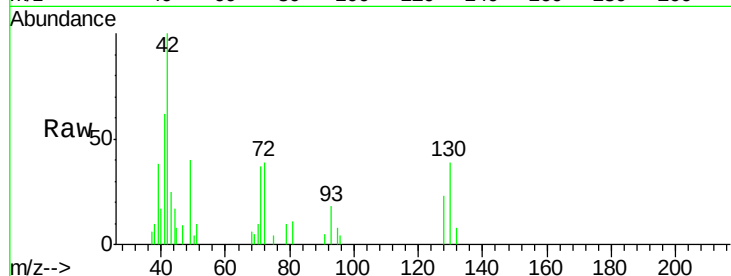
#29
Tetrahydrofuran
Concen: 13.64 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	32.4	48.6
71	35.5	31.2	46.8

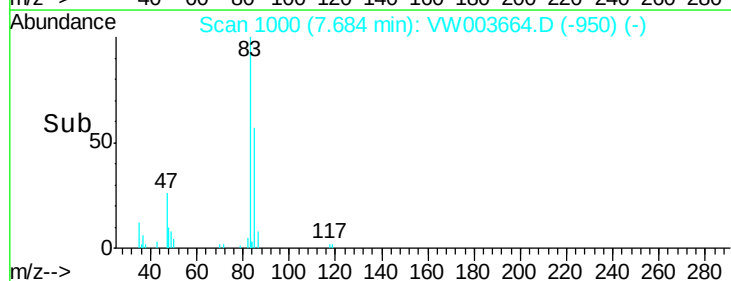
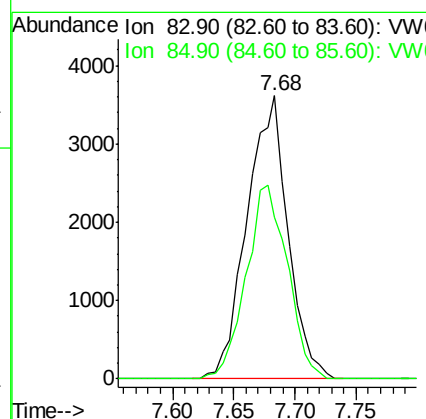
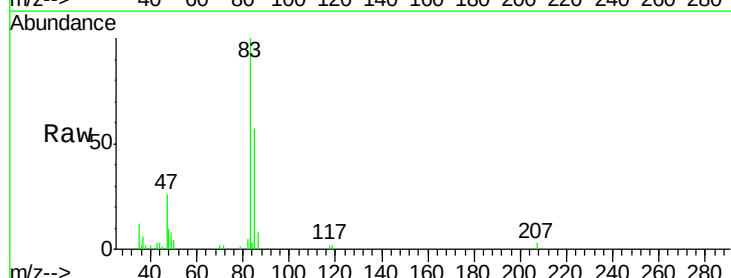
Manual Integrations
APPROVED

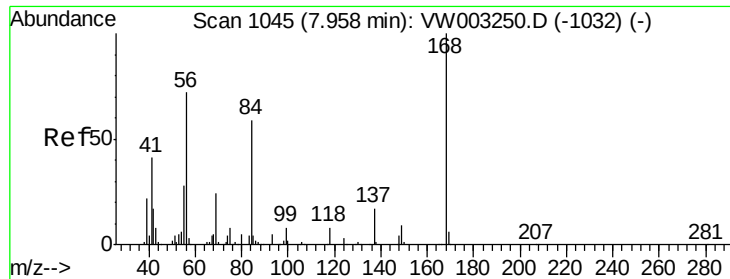
apatel
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#30
Chloroform
Concen: 2.46 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.2	51.3	76.9





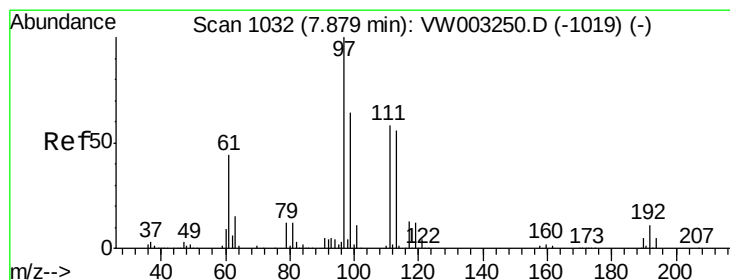
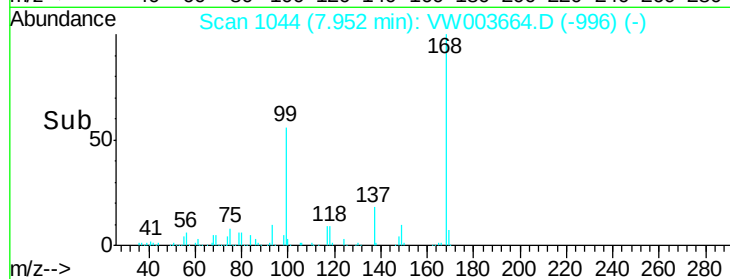
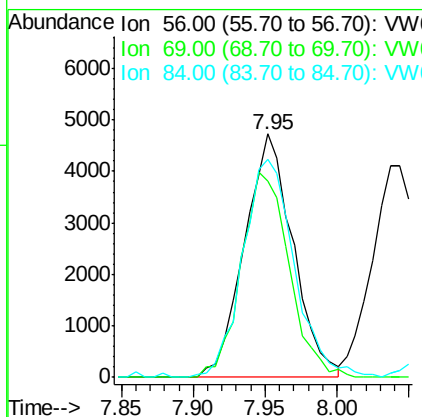
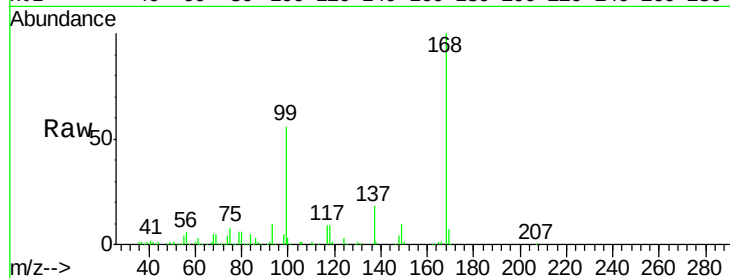
#31
Cyclohexane
Concen: 3.53 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
56	100		
69	80.6	26.3	39.5#
84	89.6	65.7	98.5

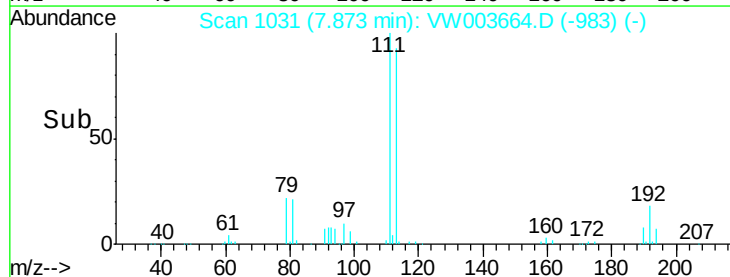
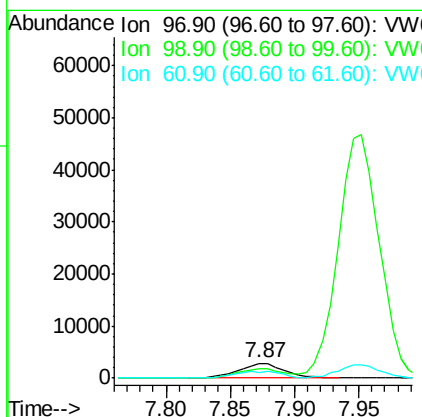
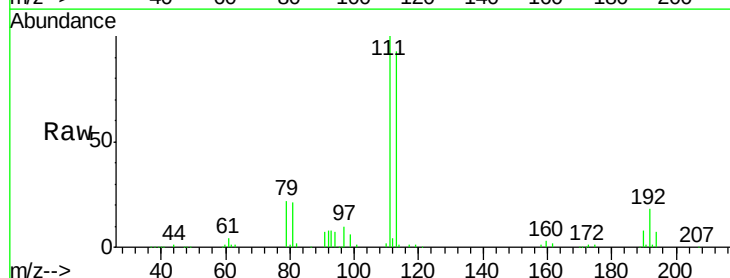
Manual Integrations
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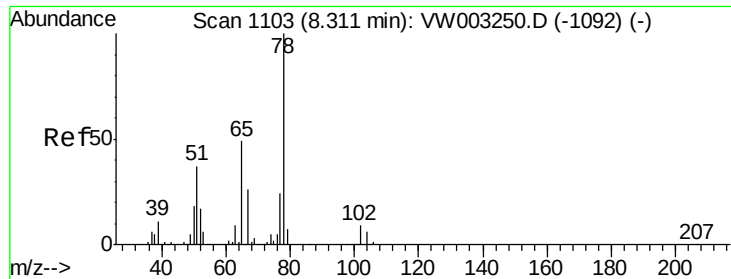
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#32
1,1,1-Trichloroethane
Concen: 2.46 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.0	51.7	77.5
61	46.9	37.6	56.4





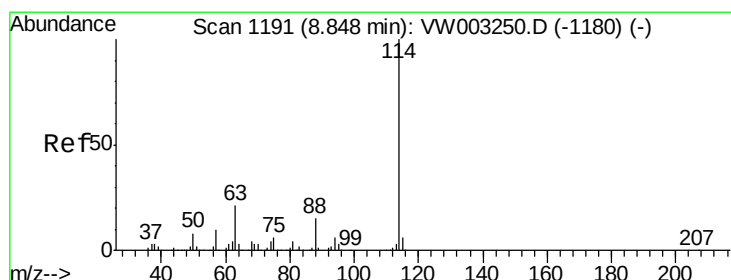
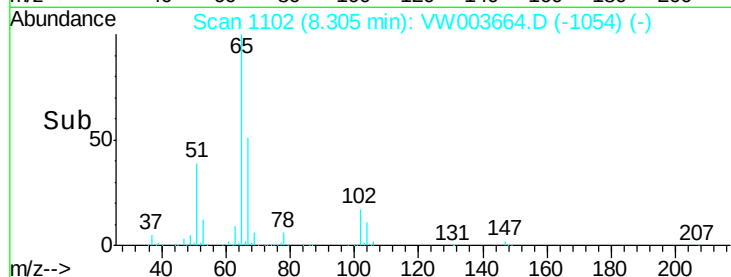
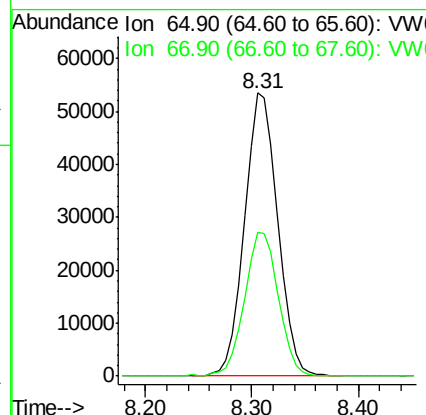
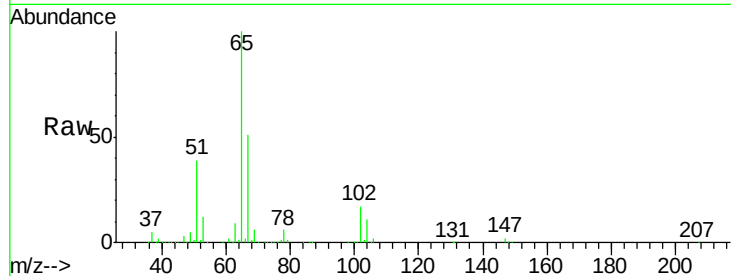
#33
 1,2-Dichloroethane-d4
 Concen: 60.68 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117445		
67	51.6	0.0	104.2	

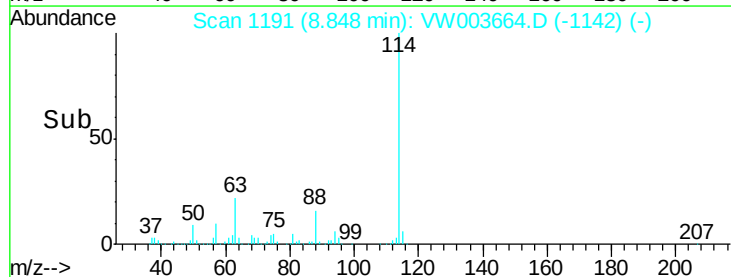
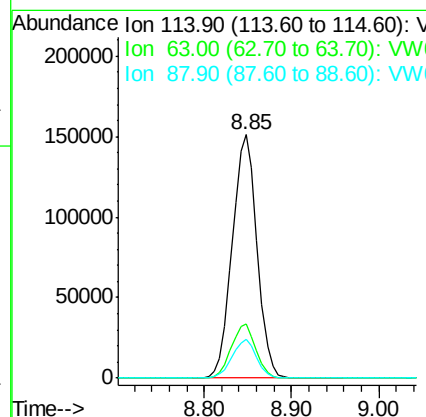
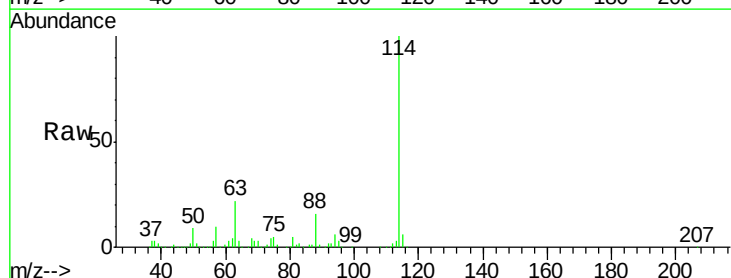
Manual Integrations
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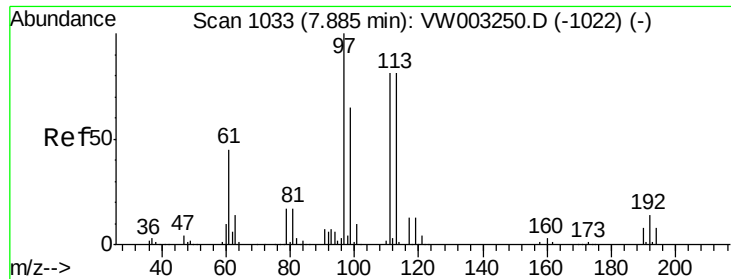
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	296563		
63	22.1	0.0	43.0	
88	16.0	0.0	29.6	





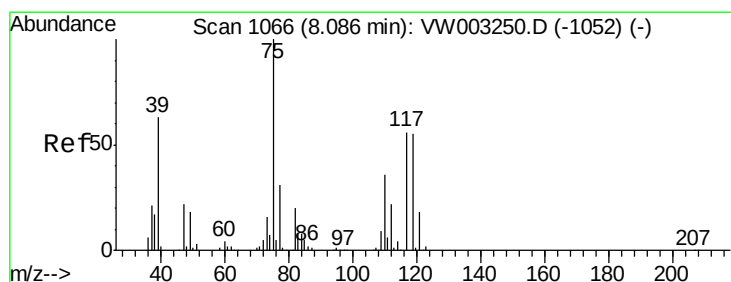
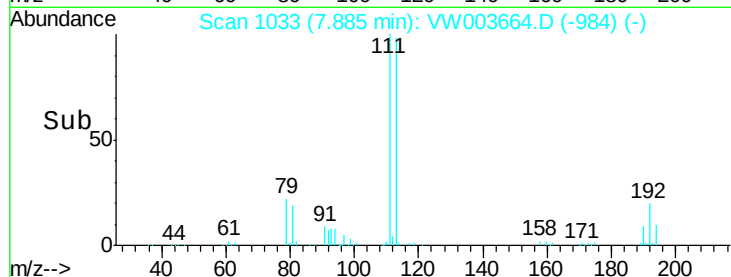
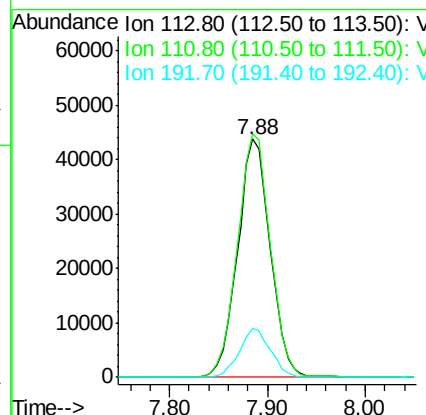
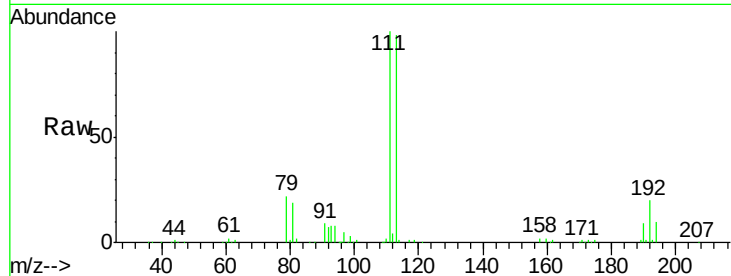
#35
 Dibromofluoromethane
 Concen: 54.96 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.2
192	19.9	16.2	24.2

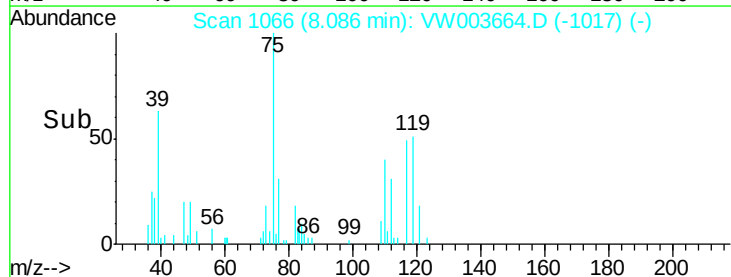
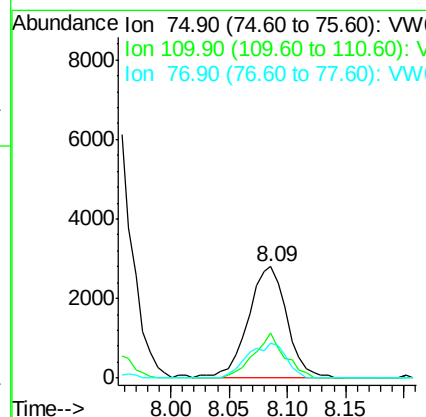
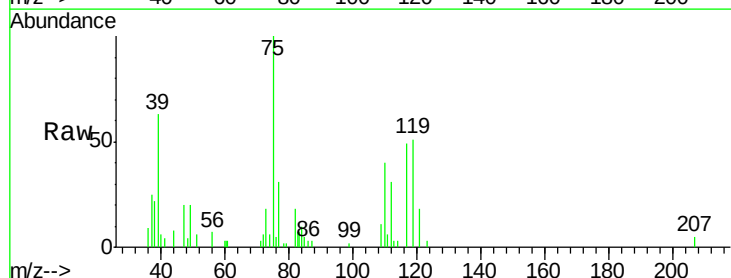
Manual Integrations
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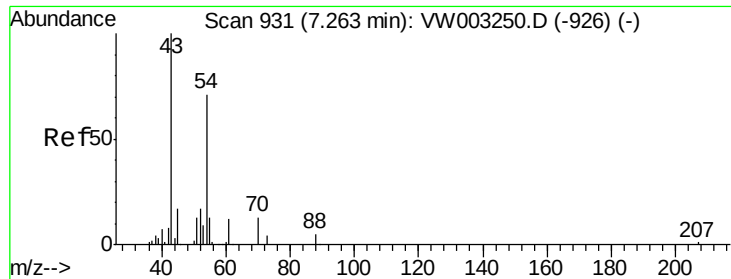
apatel
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#36
 1,1-Dichloropropene
 Concen: 2.28 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.0	17.1	51.3
77	31.3	24.9	37.3





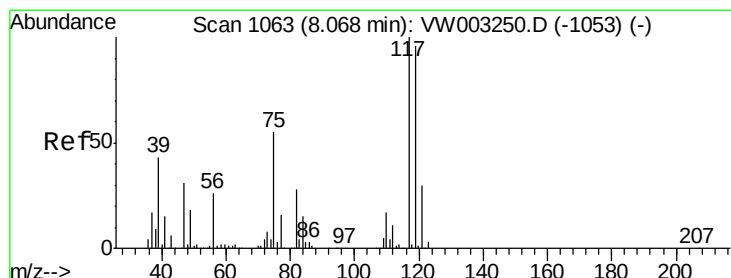
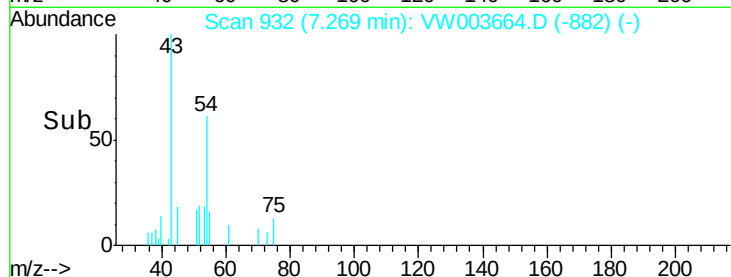
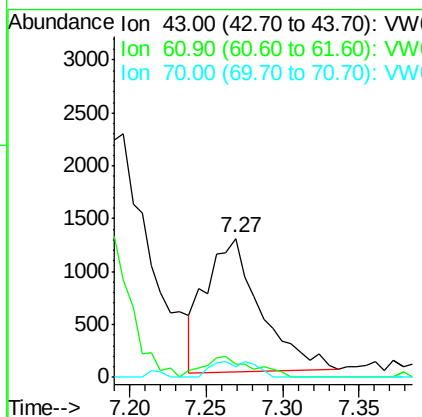
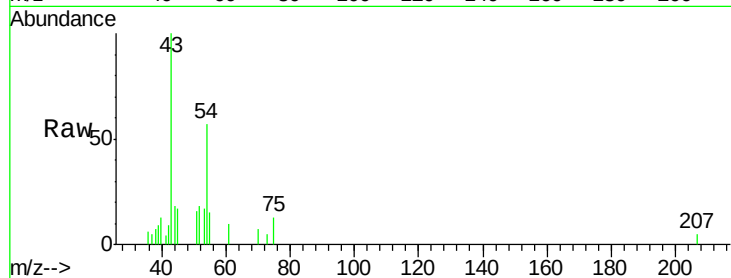
#37
Ethyl Acetate
Concen: 2.62 ug/l
RT: 7.27 min Scan# 932
Delta R.T. 0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	43	Resp	3109
Ion Ratio	100	Lower	Upper
43	100		
61	14.2	10.8	16.2
70	9.4	7.8	11.6

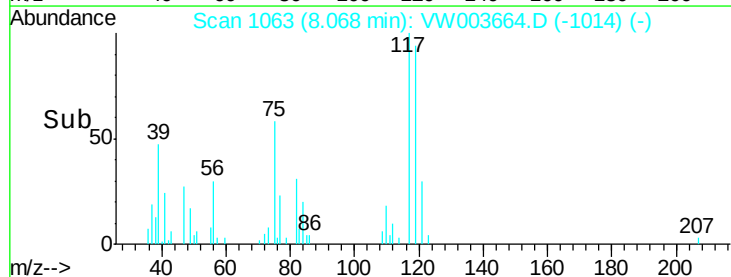
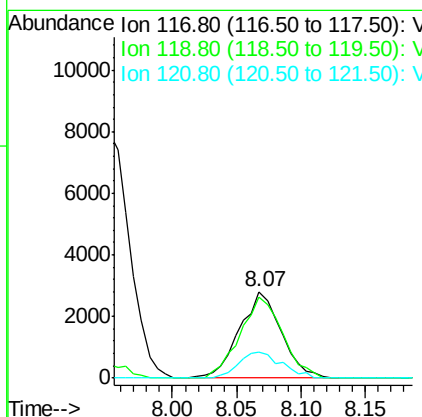
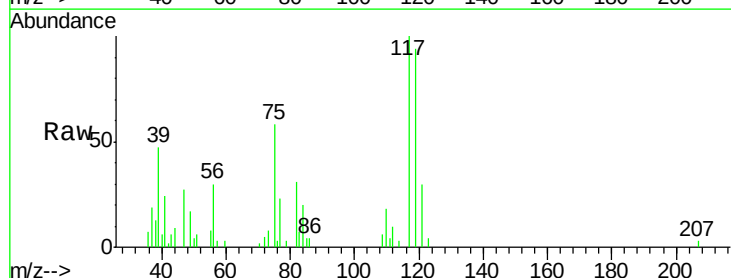
Manual Integrations
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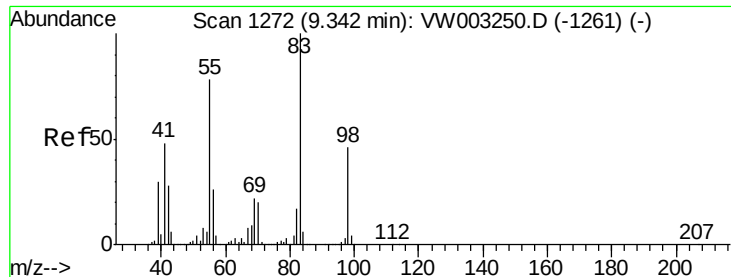
apatel
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#38
Carbon Tetrachloride
Concen: 2.23 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	117	Resp	6274
Ion Ratio	100	Lower	Upper
117	100		
119	93.8	76.6	115.0
121	29.5	23.9	35.9





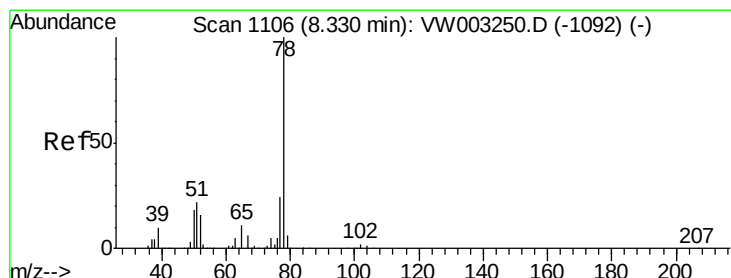
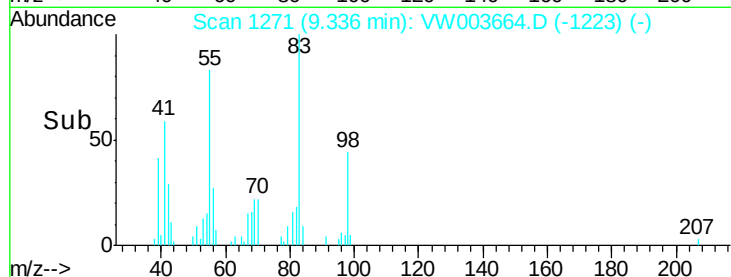
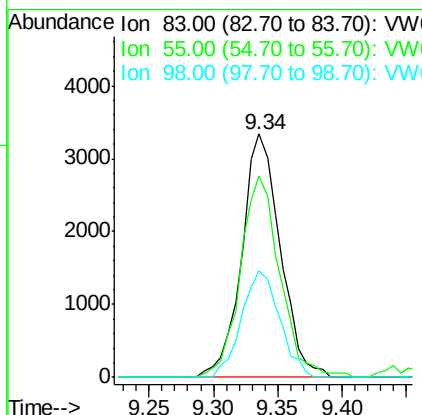
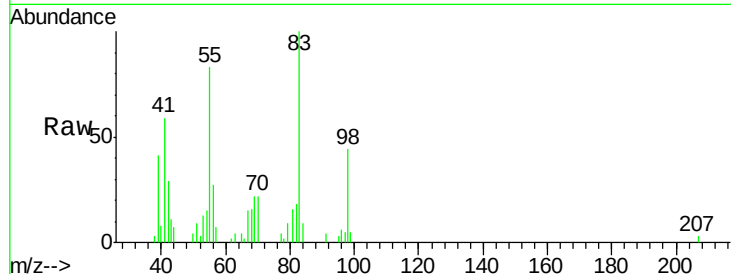
#39
Methylvlcyclohexane
Concen: 2.08 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.6	62.6	93.8
98	43.6	37.0	55.4

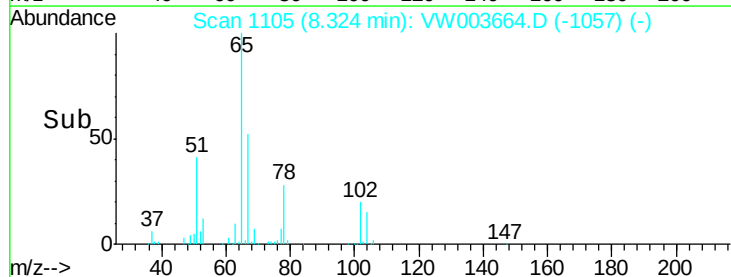
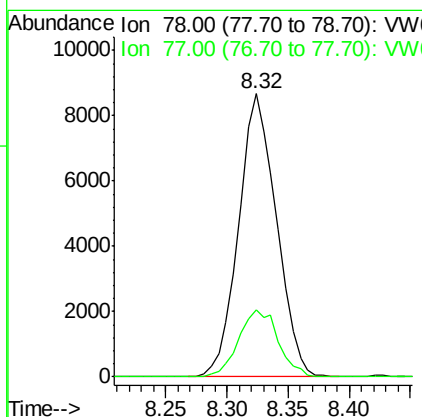
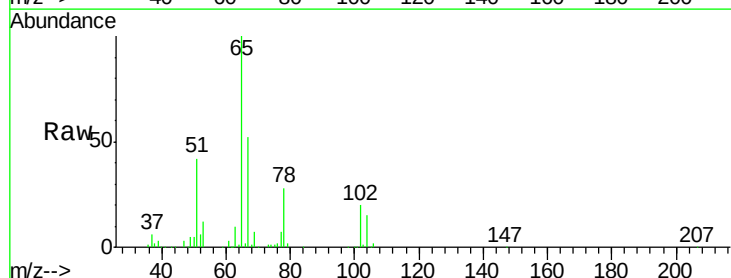
Manual Integrations
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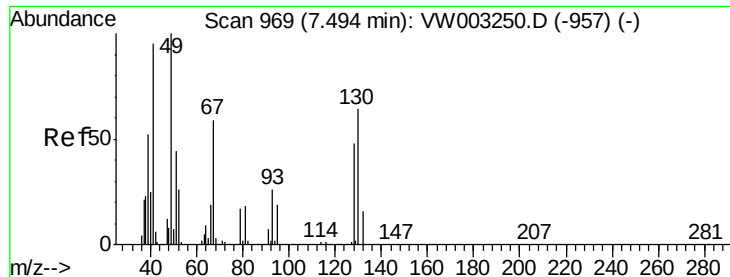
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#40
Benzene
Concen: 2.36 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





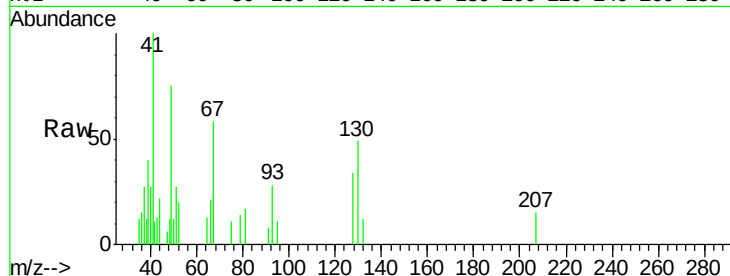
#41
Methacrylonitrile
Concen: 2.22 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampled :
LOD-MDL-SOIL-01-QT3-2018

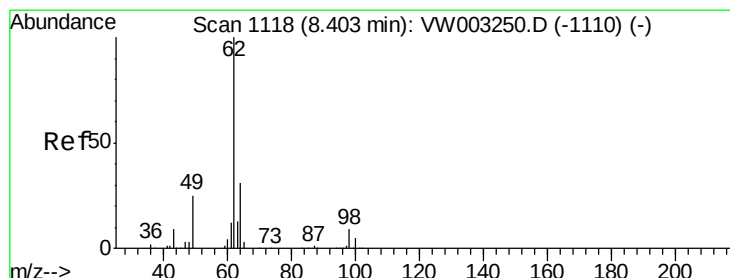
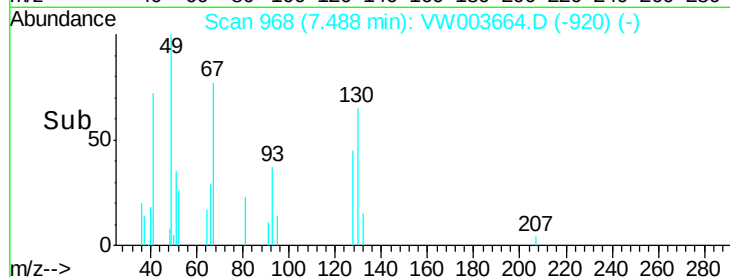
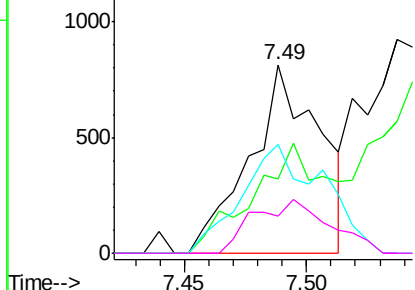
Tot Ion	Ratio	Lower	Upper
41	100		
39	61.1	45.8	68.8
67	67.4	52.3	78.5
52	30.9	24.1	36.1

Manual Integrations
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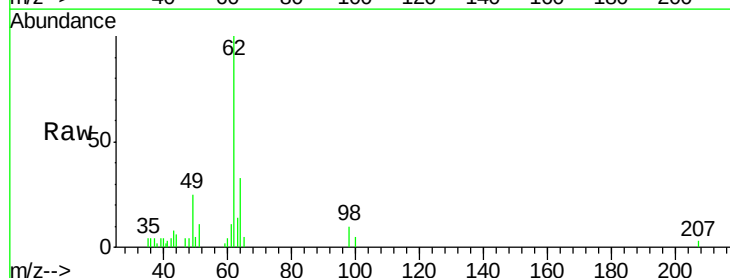


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

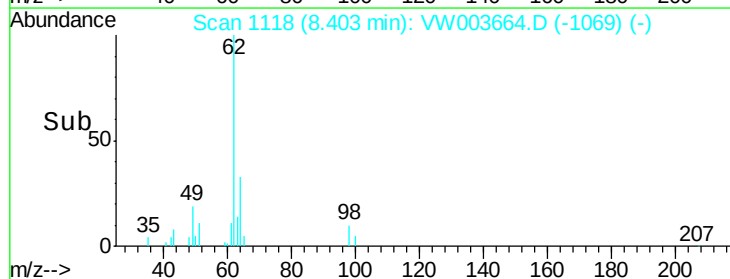
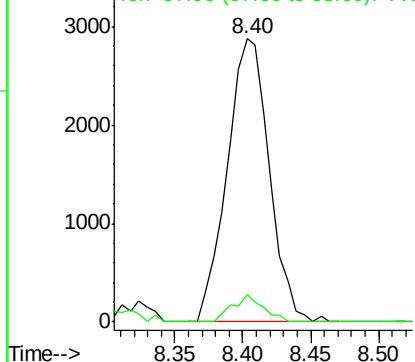


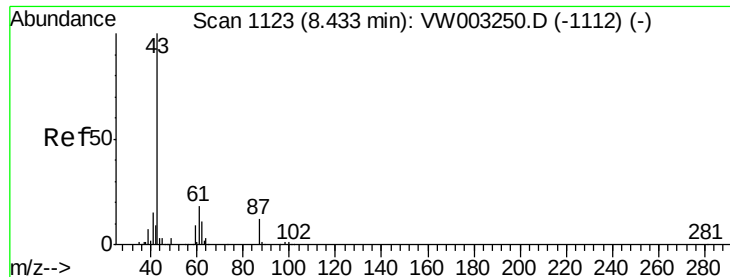
#42
1,2-Dichloroethane
Concen: 2.51 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 2.48 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

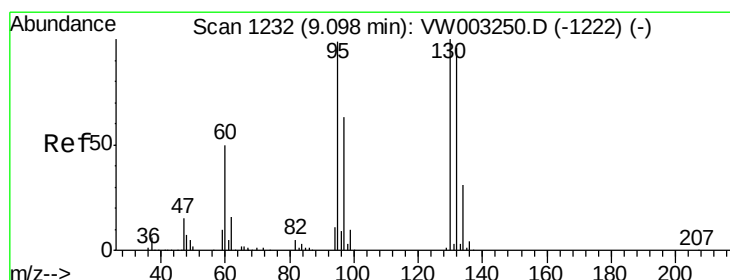
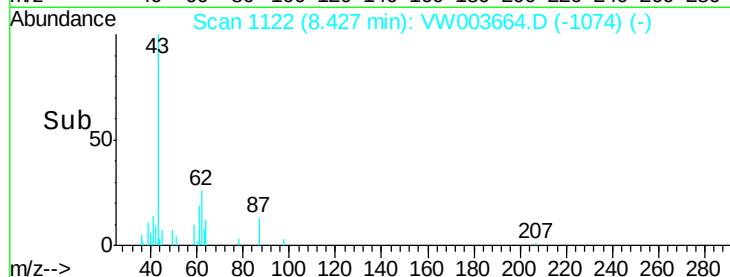
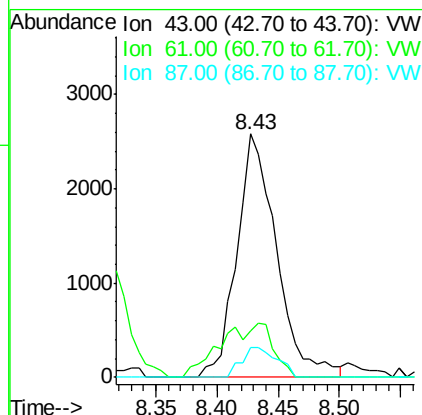
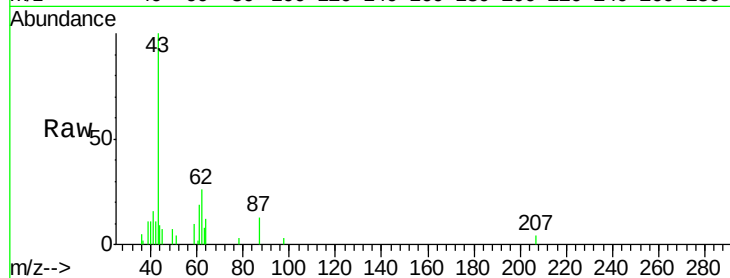
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	43	Resp:	5837
Ion	Ratio	Lower	Upper
43	100		
61	15.4	23.1	34.7#
87	10.9	9.8	14.6

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#44

Trichloroethene

Concen: 2.37 ug/l

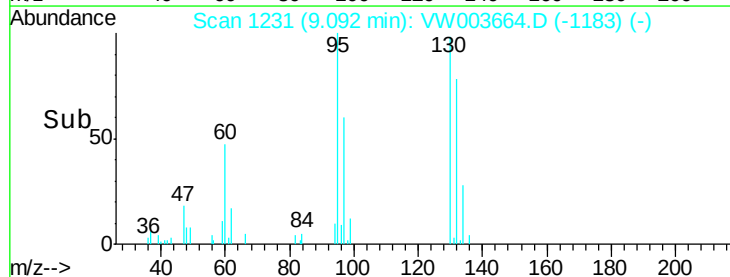
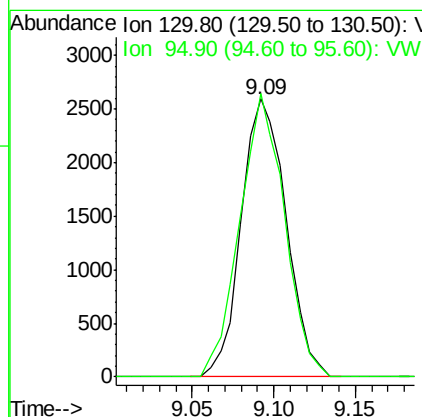
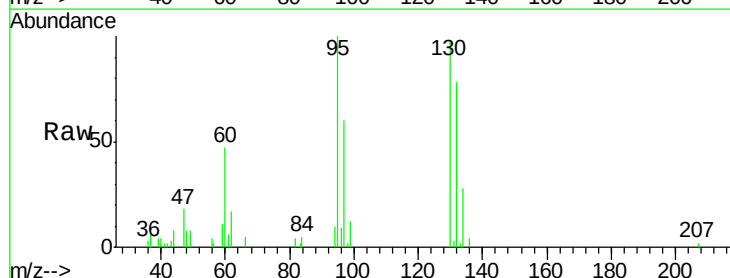
RT: 9.09 min Scan# 1231

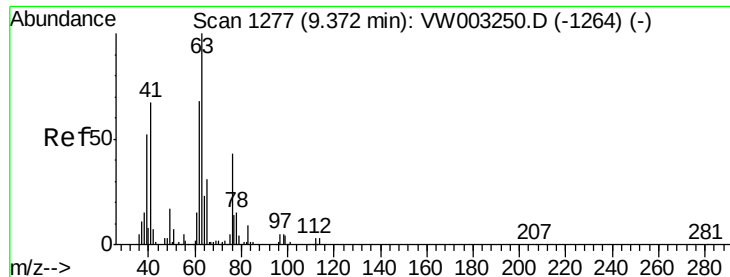
Delta R.T. -0.01 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Tgt Ion:	130	Resp:	4961
Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	198.0





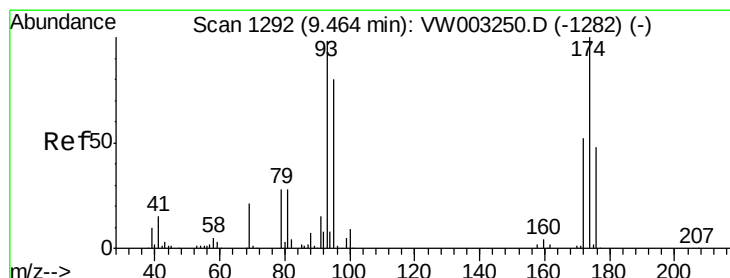
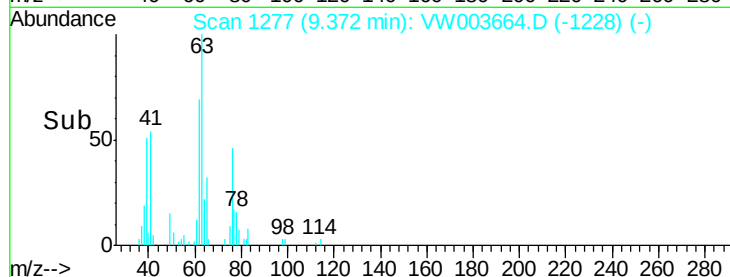
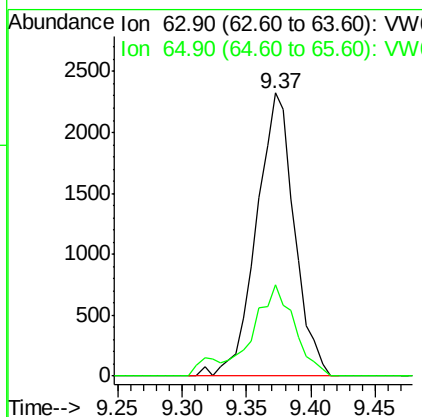
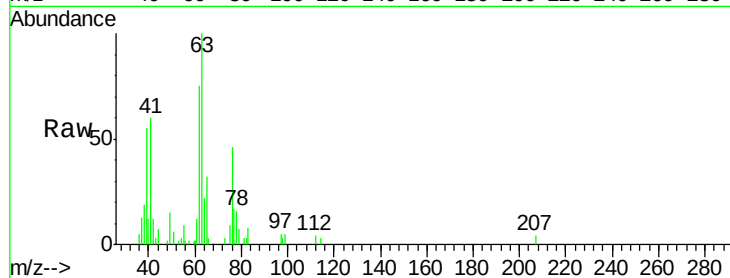
#45
 1,2-Dichloropropane
 Concen: 2.35 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Instrument :
 MSVOA_W
 ClientSampled :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 63 Resp: 4722
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.1 37.7

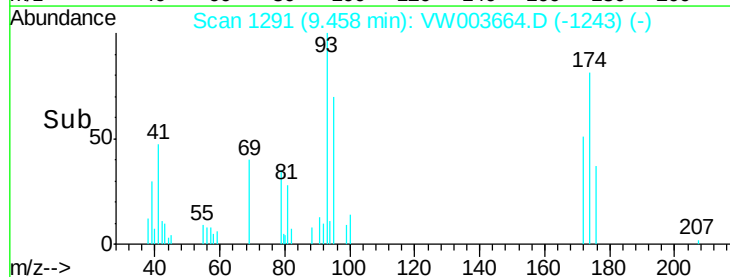
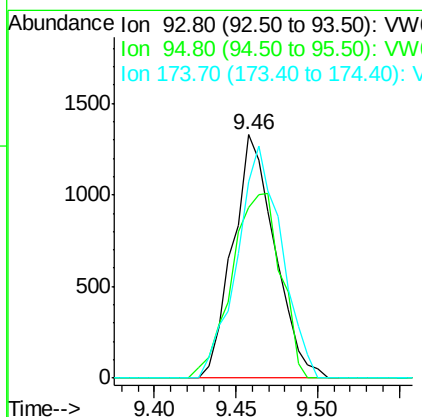
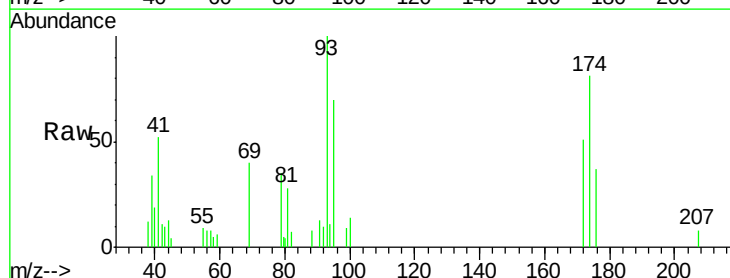
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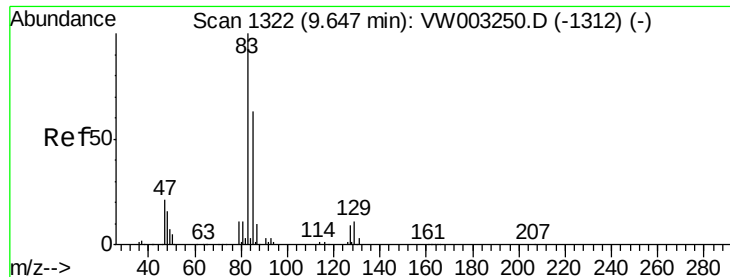
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#46
 Dibromomethane
 Concen: 2.33 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Tgt Ion: 93 Resp: 2394
 Ion Ratio Lower Upper
 93 100
 95 88.0 65.8 98.8
 174 100.7 81.4 122.0





#47

Bromodichloromethane

Concen: 2.34 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

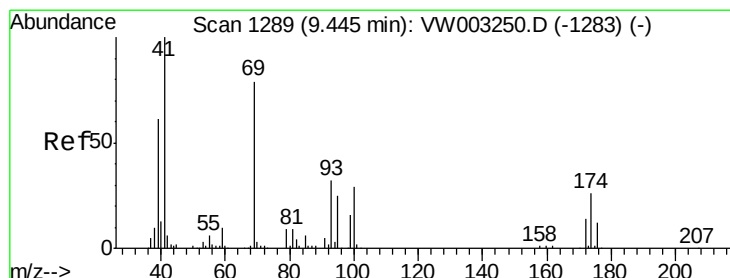
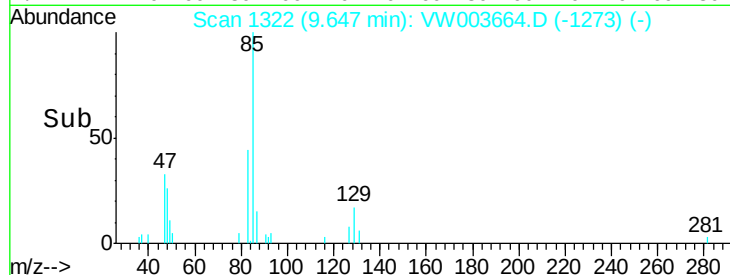
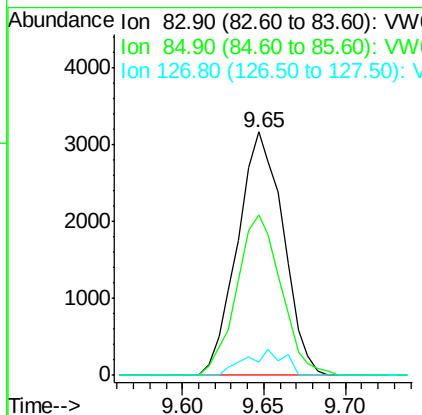
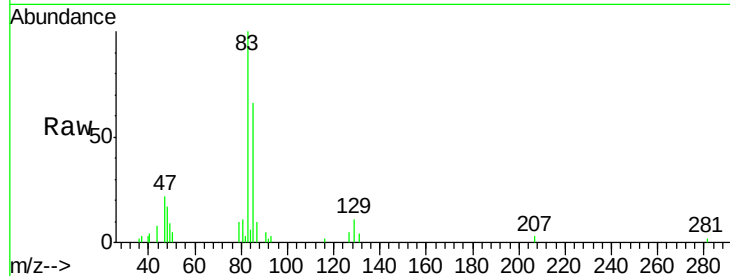
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	83	Resp:	6178
Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.6	75.8
127	5.5	6.8	10.2#

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#48

Methyl methacrylate

Concen: 2.12 ug/l

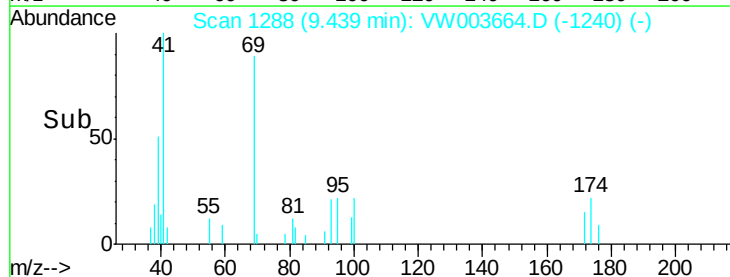
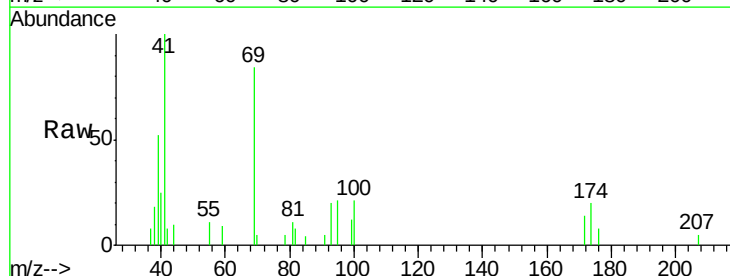
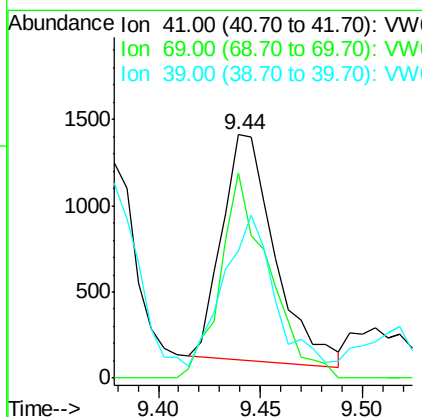
RT: 9.44 min Scan# 1288

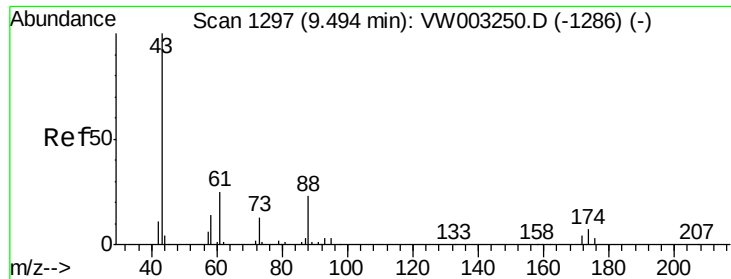
Delta R.T. -0.01 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Tgt Ion:	41	Resp:	2346
Ion	Ratio	Lower	Upper
41	100		
69	83.9	65.4	98.2
39	70.5	54.2	81.2





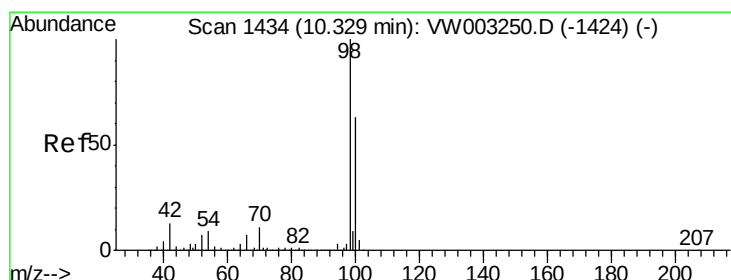
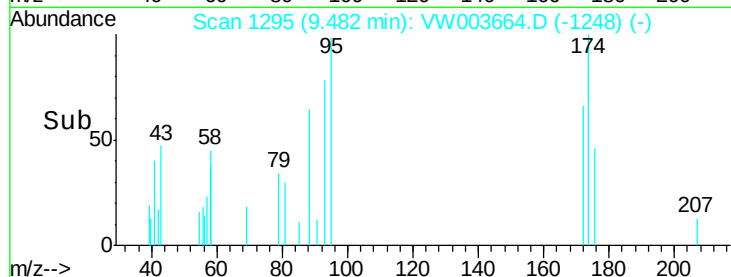
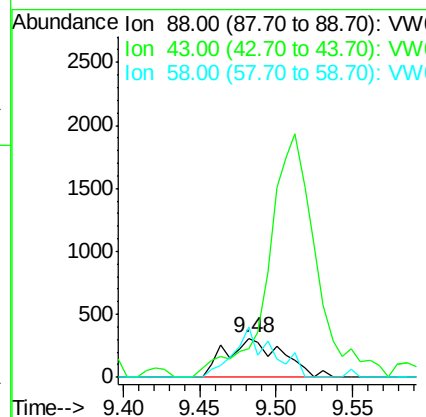
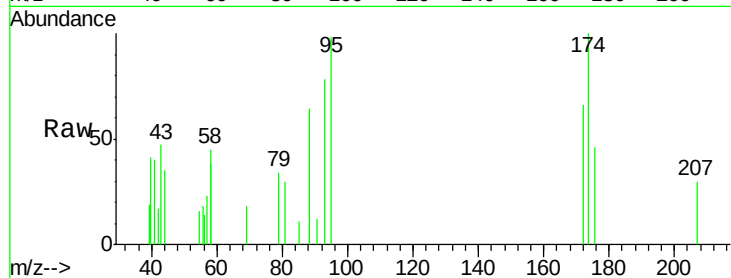
#49
 1,4-Dioxane
 Concen: 51.16 ug/l
 RT: 9.48 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	454.7	682.1#
58	85.9	58.6	88.0

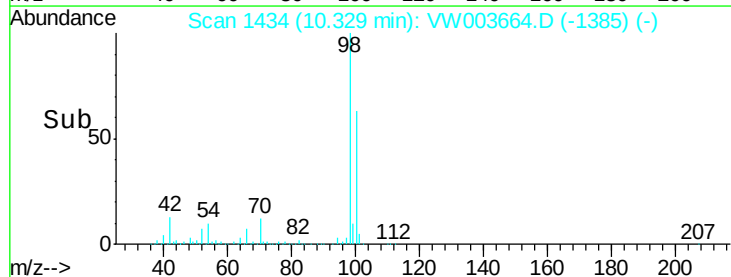
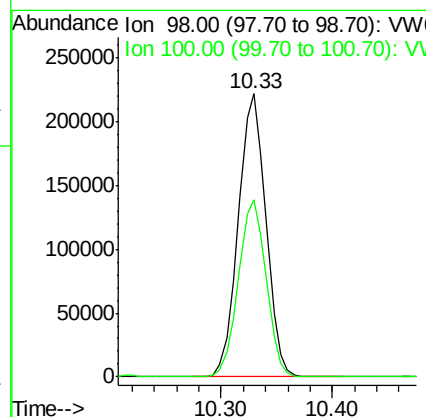
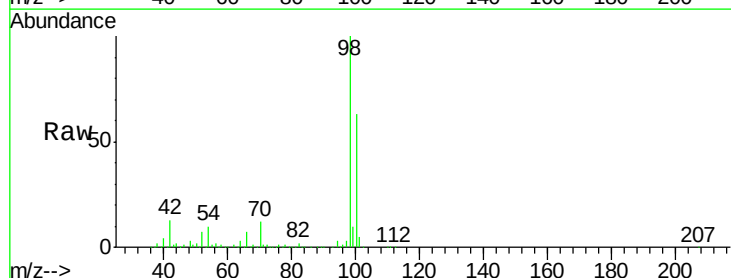
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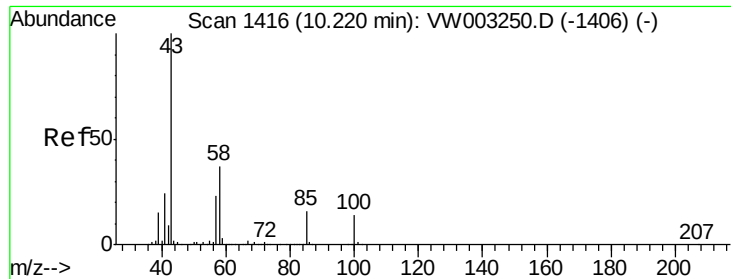
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#50
 Toluene-d8
 Concen: 51.96 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.8	76.2





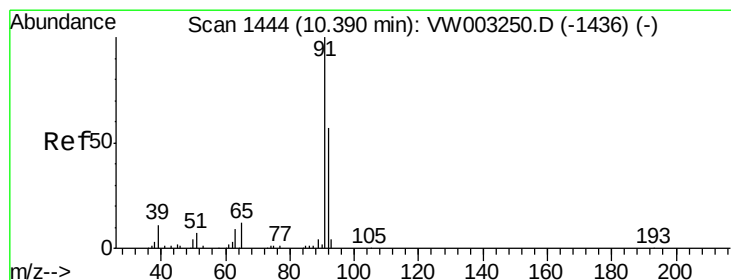
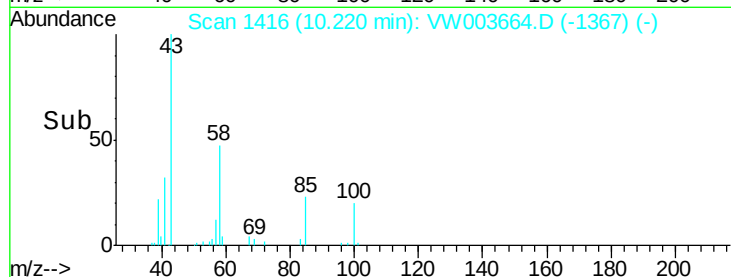
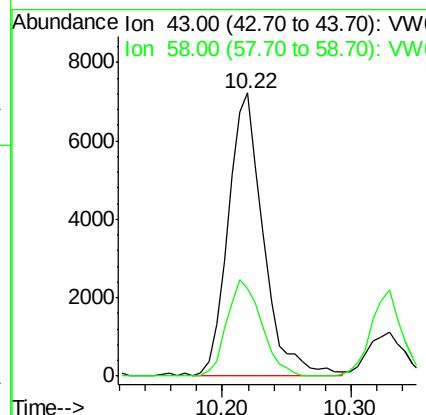
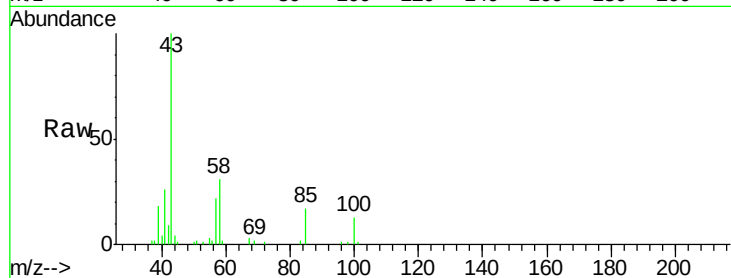
#51
 4-Methyl-2-Pentanone
 Concen: 11.50 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Instrument :
 MSVOA_W
 ClientSampled :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 43 Resp: 13800
 Ion Ratio Lower Upper
 43 100
 58 33.5 29.0 43.4

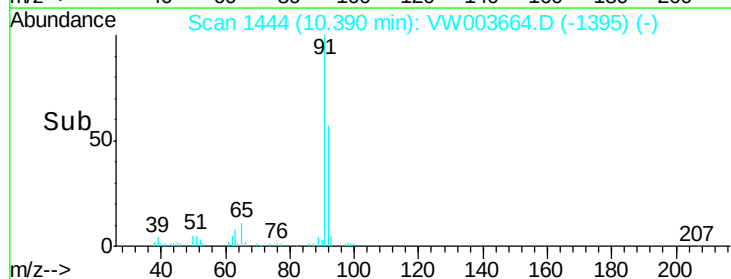
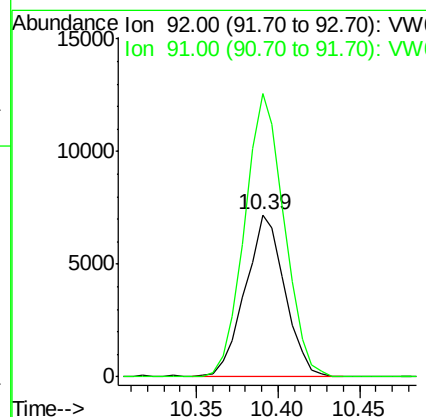
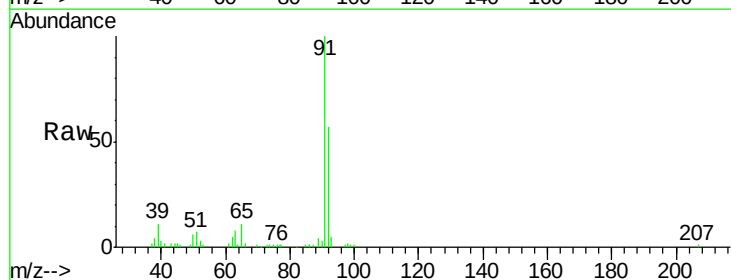
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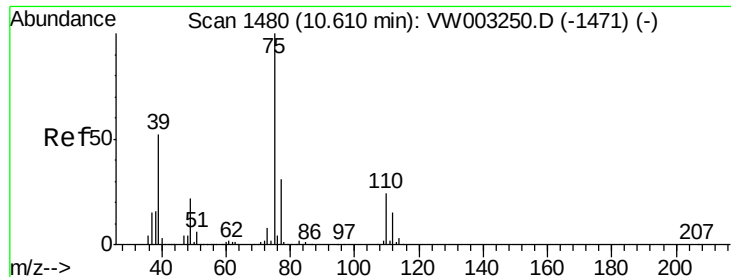
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#52
 Toluene
 Concen: 2.41 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Tgt Ion: 92 Resp: 12186
 Ion Ratio Lower Upper
 92 100
 91 173.6 141.1 211.7





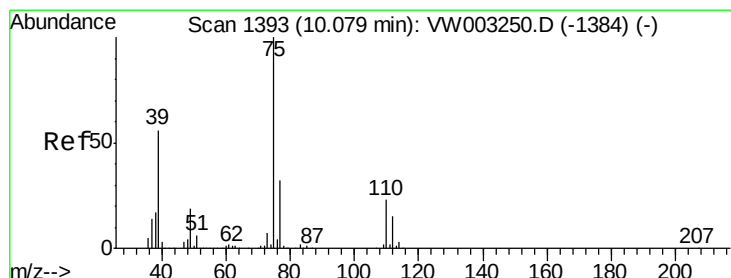
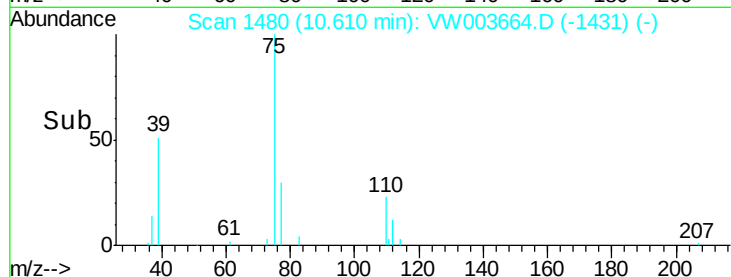
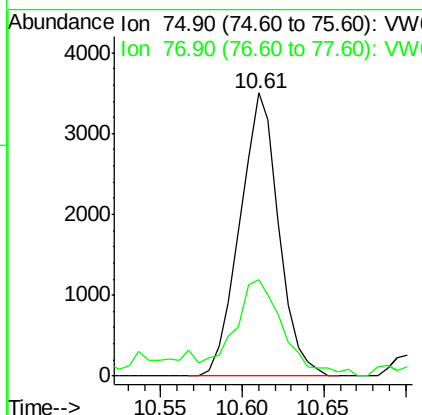
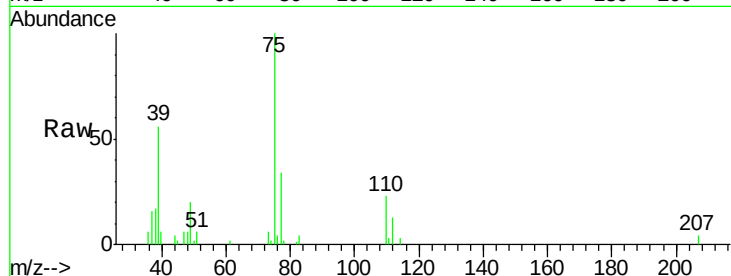
#53
t-1,3-Dichloropropene
Concen: 2.16 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 75 Resp: 5828
Ion Ratio Lower Upper
75 100
77 32.5 24.9 37.3

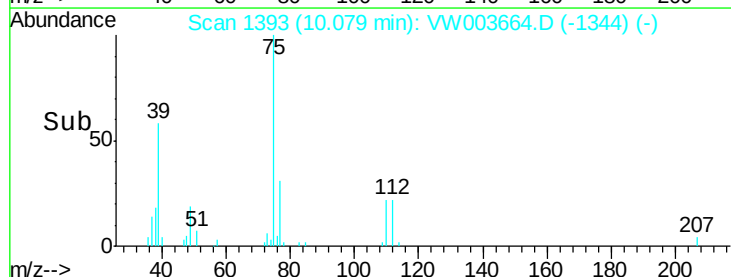
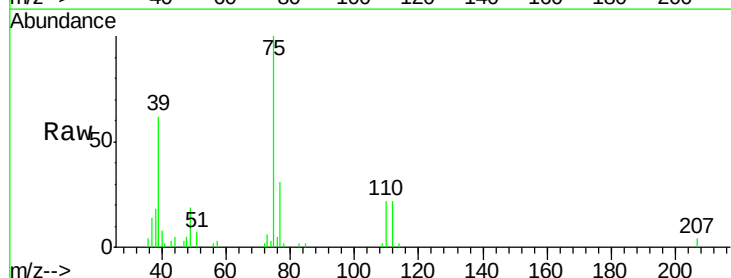
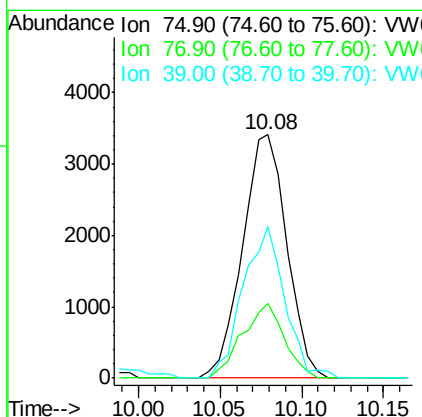
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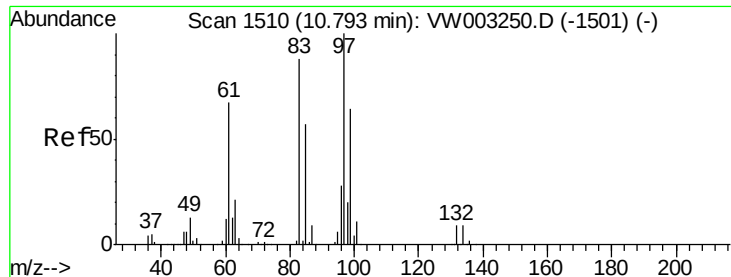
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#54
cis-1,3-Dichloropropene
Concen: 2.10 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion: 75 Resp: 6444
Ion Ratio Lower Upper
75 100
77 30.8 25.8 38.6
39 62.2 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 2.28 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

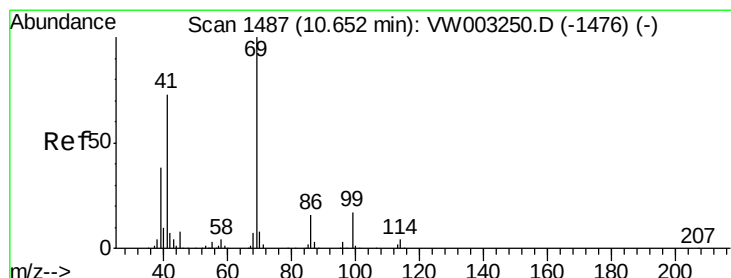
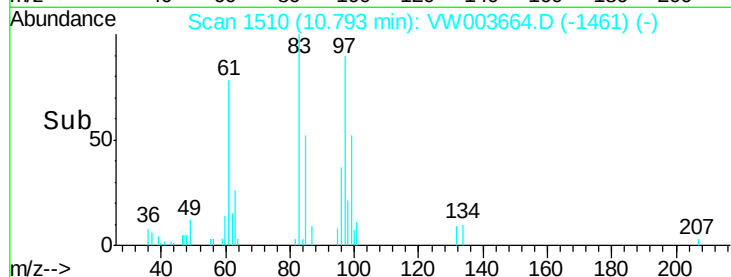
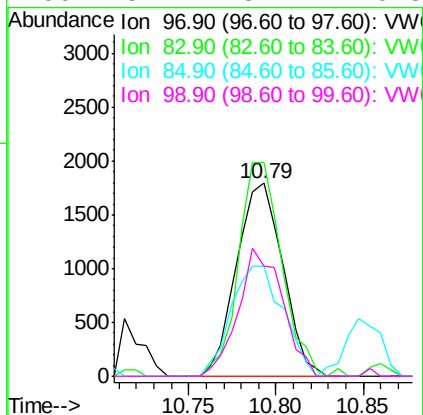
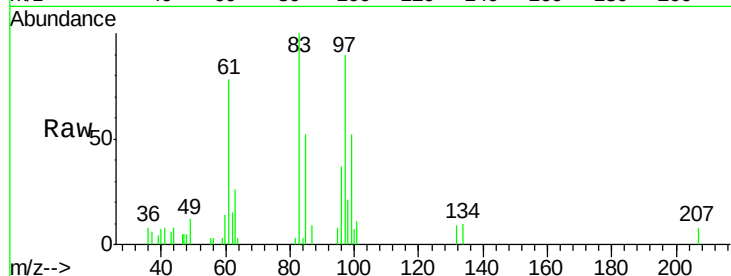
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	97	Resp:	3309
Ion	Ratio	Lower	Upper
97	100		
83	110.6	70.2	105.2#
85	57.3	45.6	68.4
99	57.2	51.2	76.8

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#56

Ethyl methacrylate

Concen: 2.03 ug/l

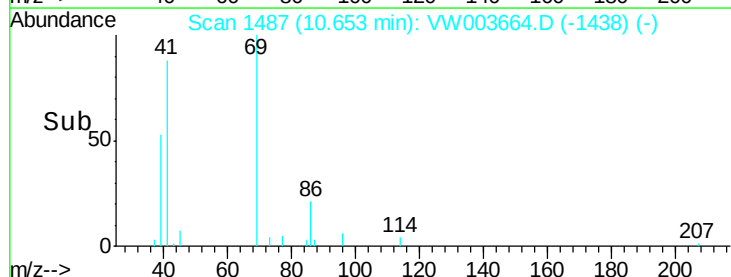
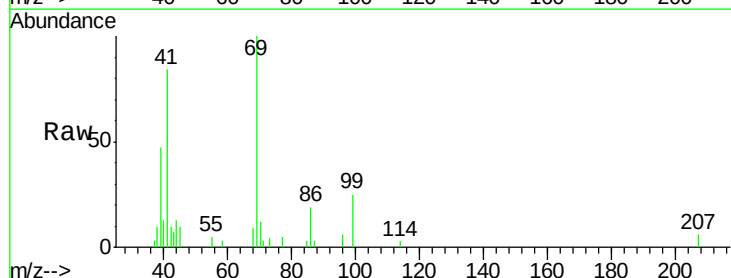
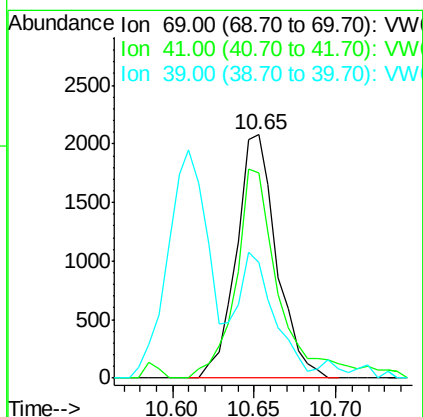
RT: 10.65 min Scan# 1487

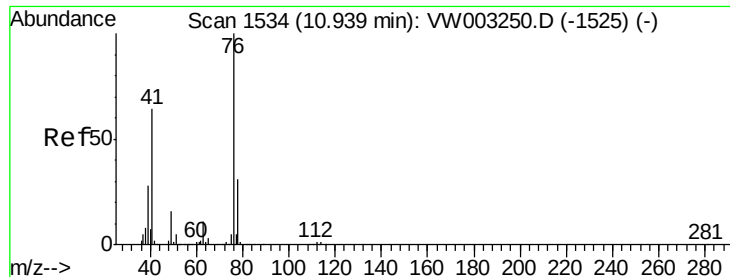
Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Tgt Ion:	69	Resp:	3577
Ion	Ratio	Lower	Upper
69	100		
41	93.7	57.8	86.6#
39	40.6	32.7	49.1





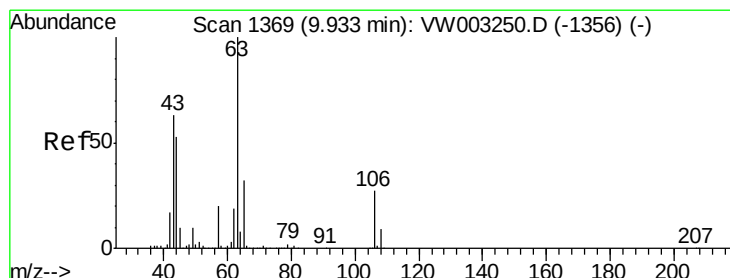
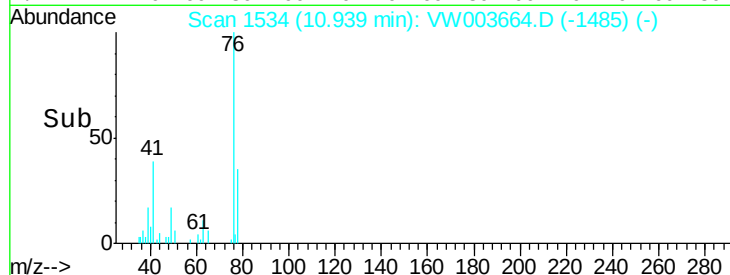
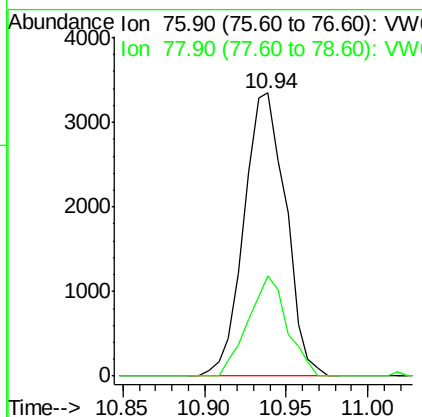
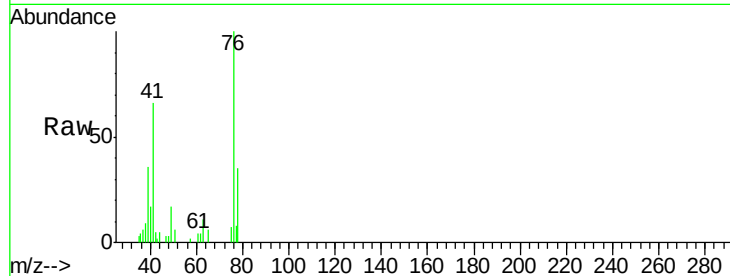
#57
 1,3-Dichloropropane
 Concen: 2.39 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 76 Resp: 5975
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5

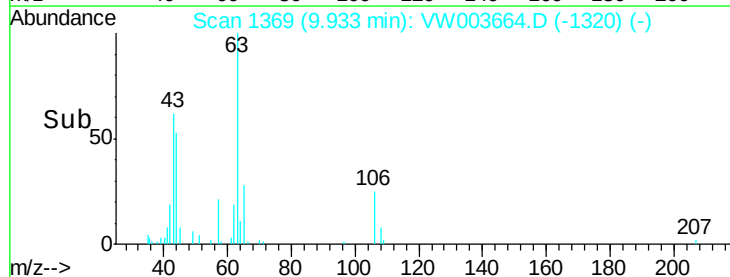
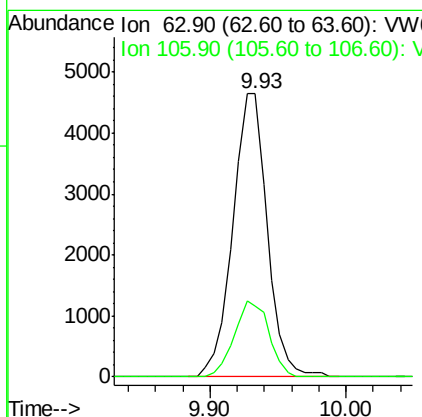
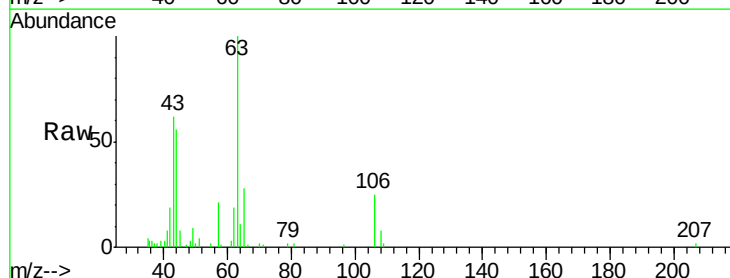
Manual Integrations
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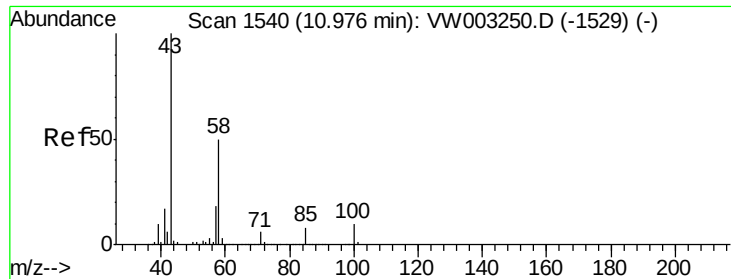
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#58
 2-Chloroethyl Vinyl ether
 Concen: 10.38 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Tgt Ion: 63 Resp: 8195
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.8 32.8





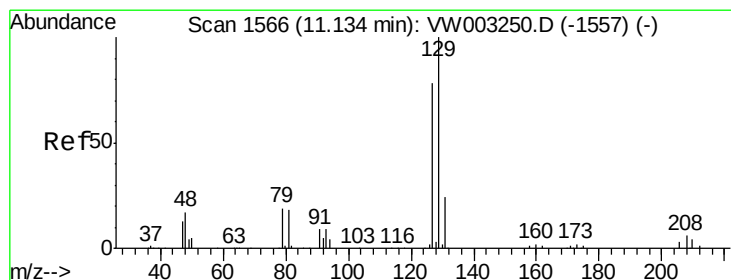
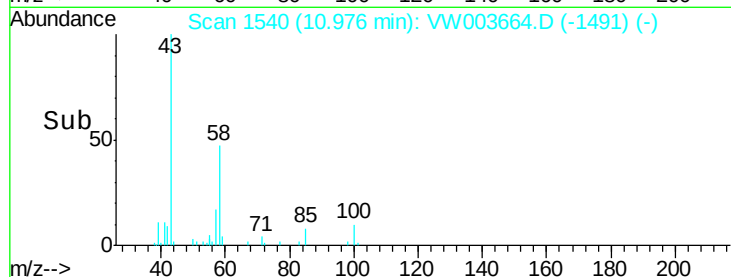
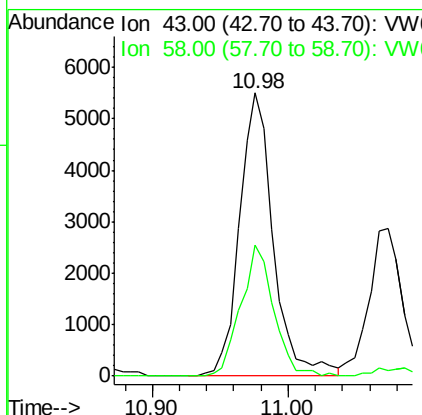
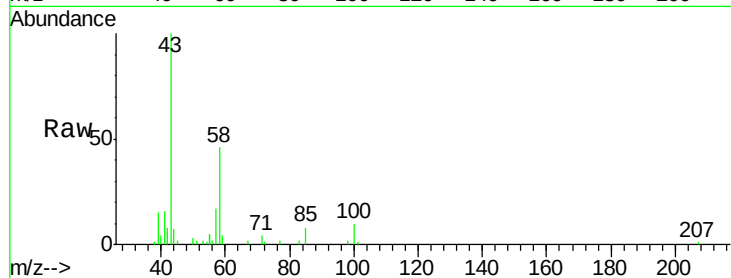
#59
2-Hexanone
Concen: 11.32 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 43 Resp: 9491
Ion Ratio Lower Upper
43 100
58 45.3 25.0 75.0

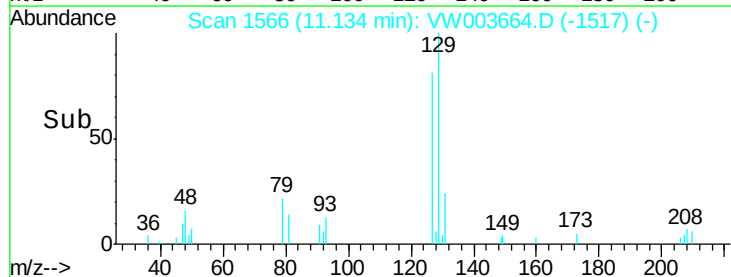
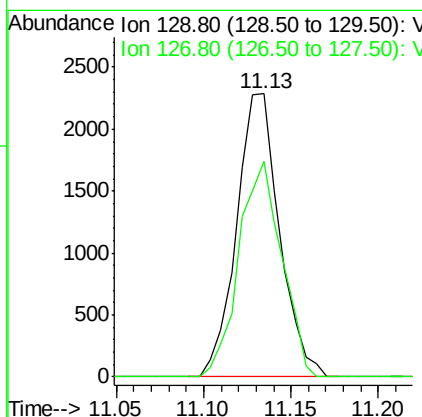
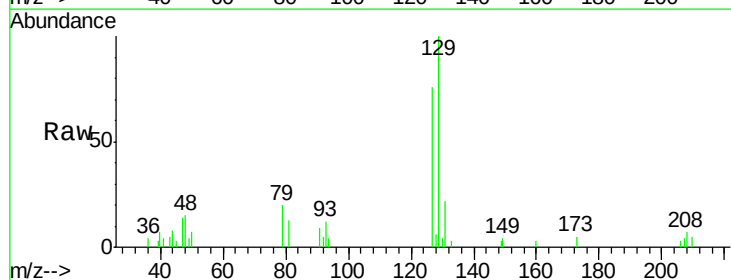
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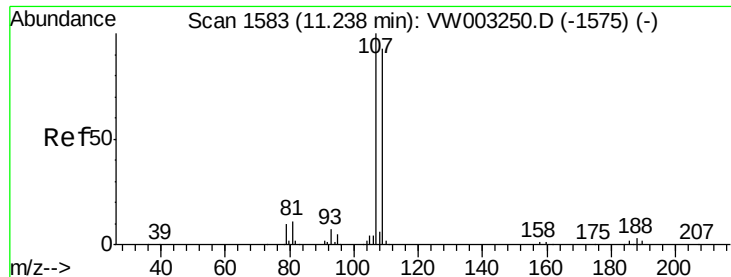
apatel
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#60
Dibromochloromethane
Concen: 2.27 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion: 129 Resp: 3908
Ion Ratio Lower Upper
129 100
127 75.6 39.1 117.5





#61

1,2-Dibromoethane

Concen: 2.44 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 107 Resp: 3351

Ion Ratio Lower Upper

107 100

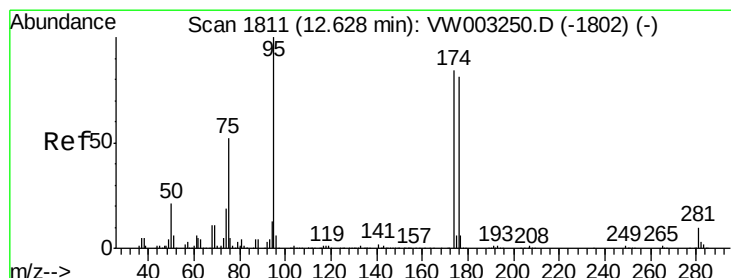
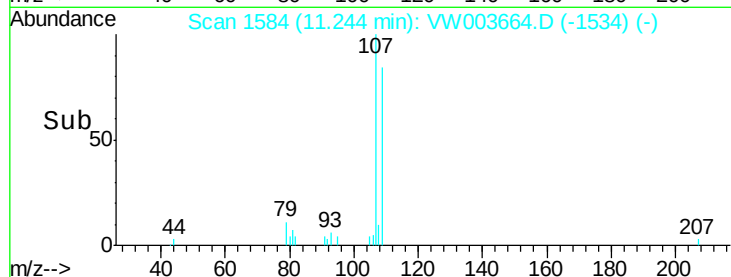
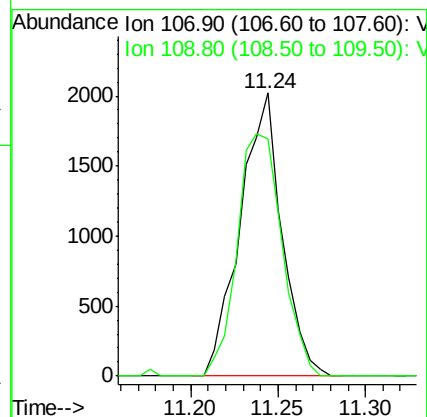
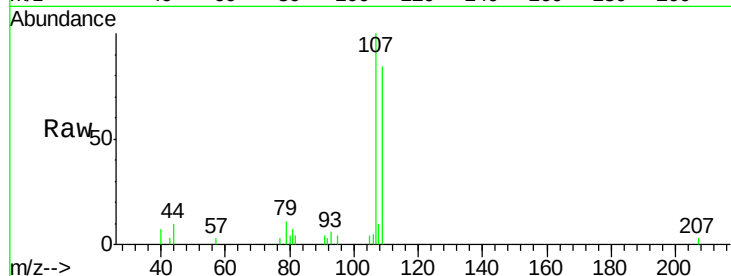
109 91.9 75.8 113.6

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#62

4-Bromofluorobenzene

Concen: 51.33 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

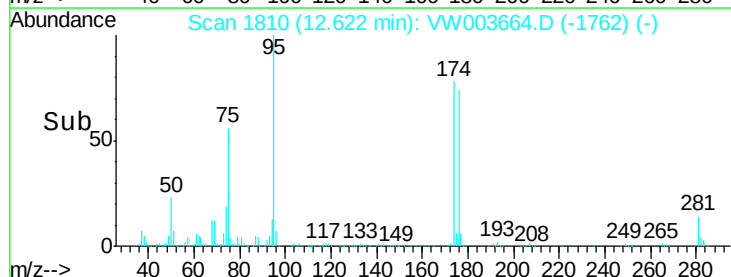
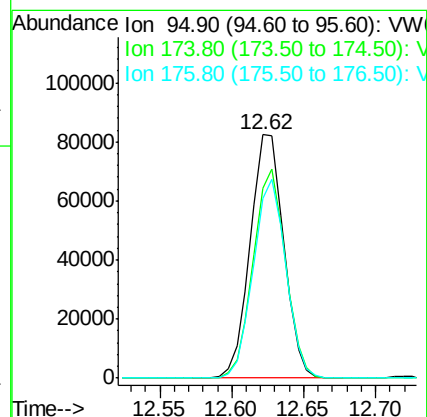
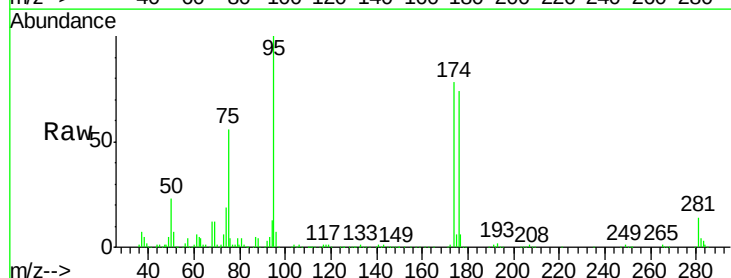
Tgt Ion: 95 Resp: 132719

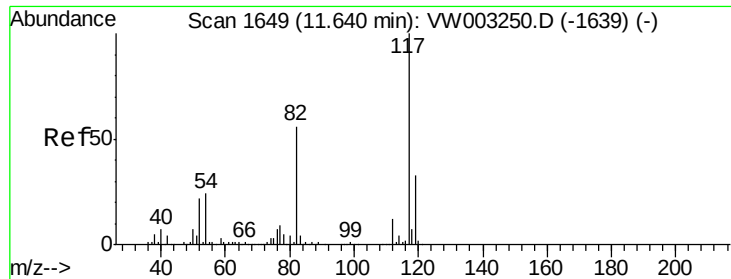
Ion Ratio Lower Upper

95 100

174 82.6 0.0 166.4

176 79.1 0.0 162.0





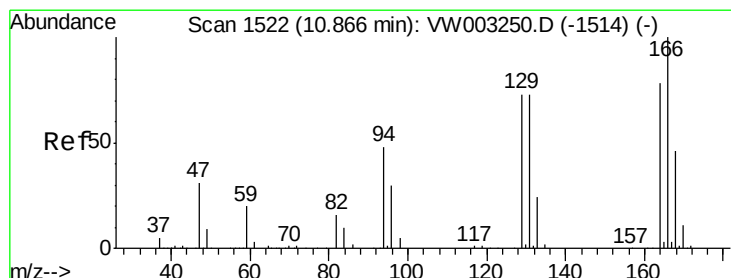
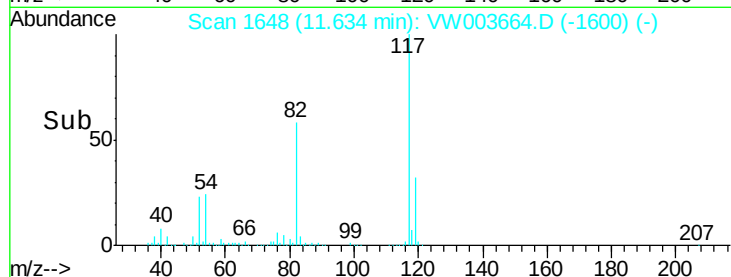
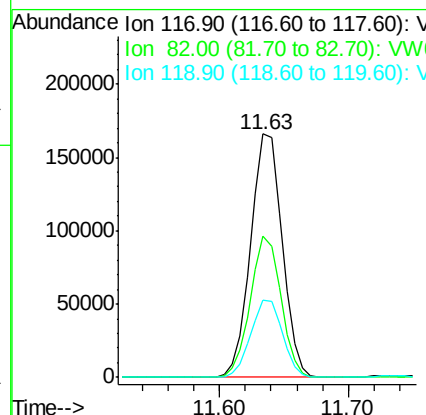
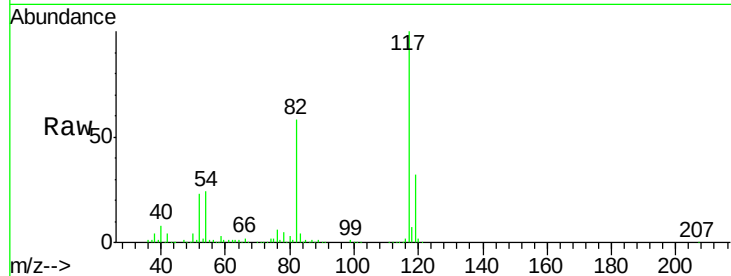
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
117	100	280033		
82	57.8		44.6	67.0
119	31.7		26.7	40.1

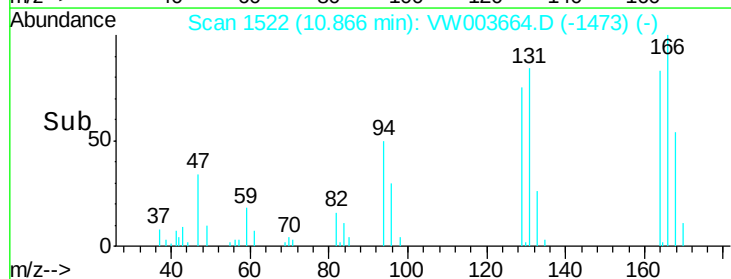
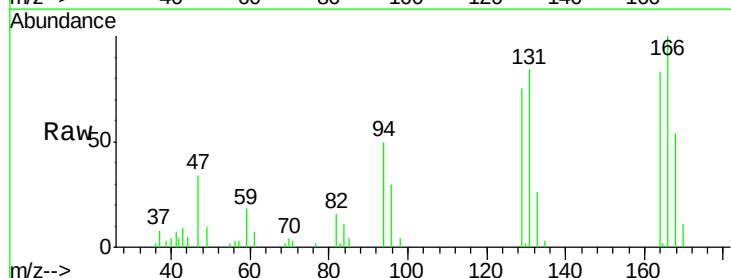
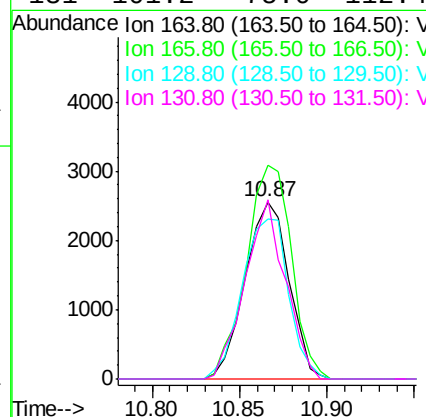
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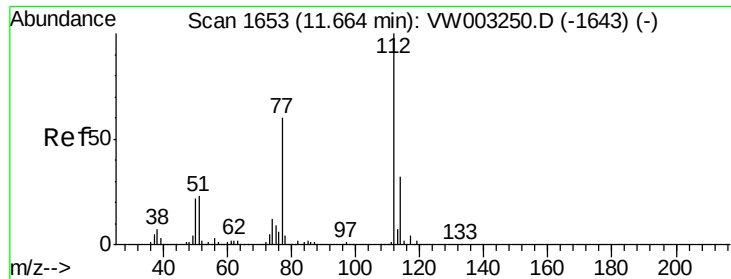
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#64
Tetrachloroethene
Concen: 2.38 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	4452		
166	120.8		102.6	154.0
129	90.3		75.2	112.8
131	101.2		75.0	112.4





#65

Chlorobenzene

Concen: 2.19 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:112 Resp: 12757

Ion Ratio Lower Upper

112 100

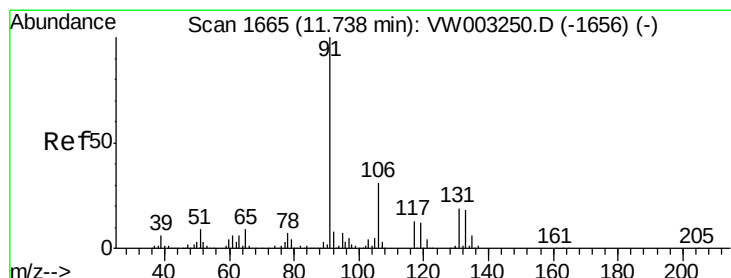
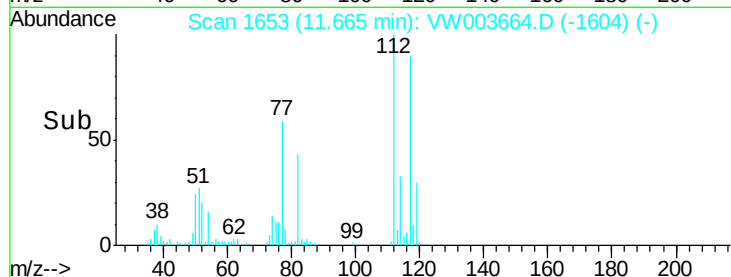
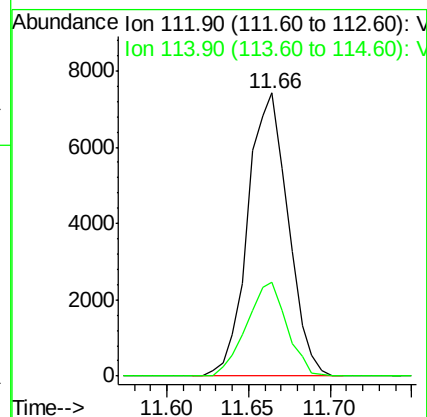
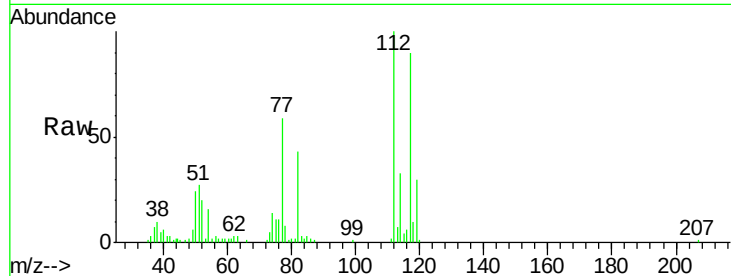
114 33.1 25.9 38.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 2.10 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

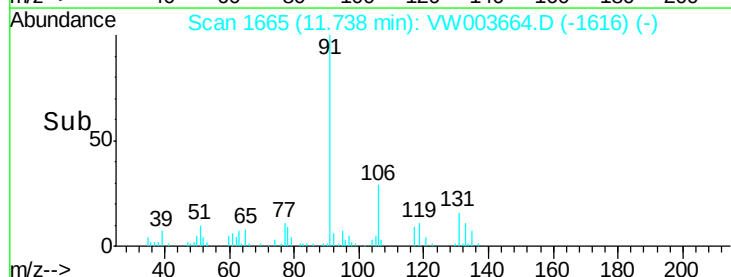
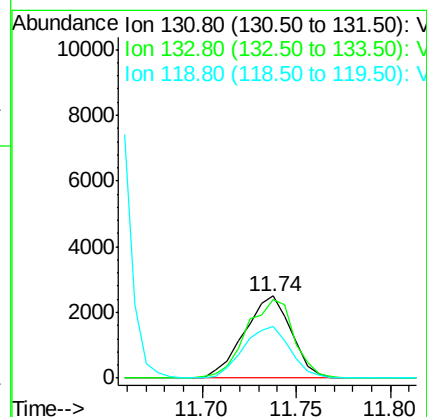
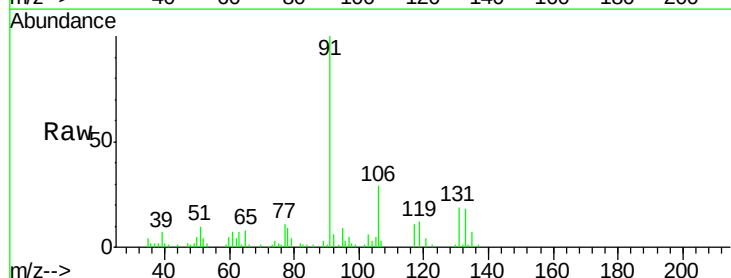
Tgt Ion:131 Resp: 4295

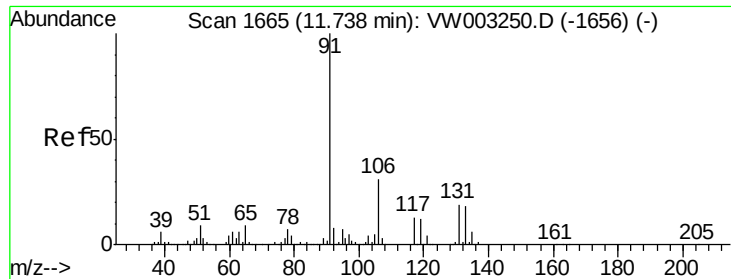
Ion Ratio Lower Upper

131 100

133 98.2 47.3 142.0

119 62.8 32.5 97.4





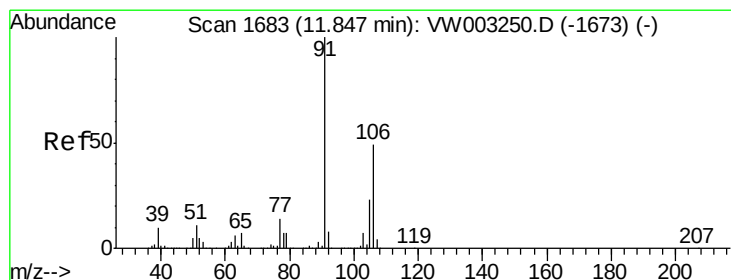
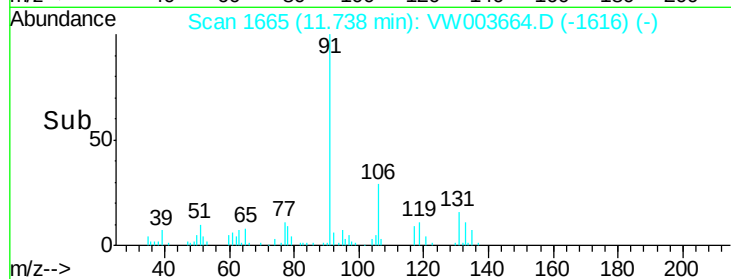
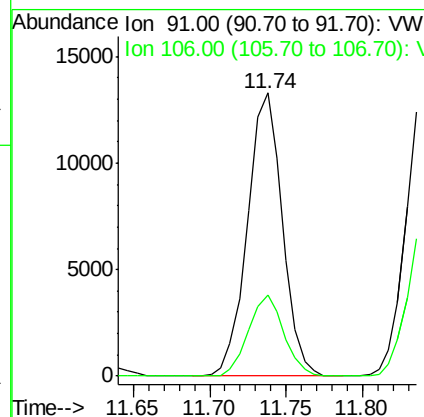
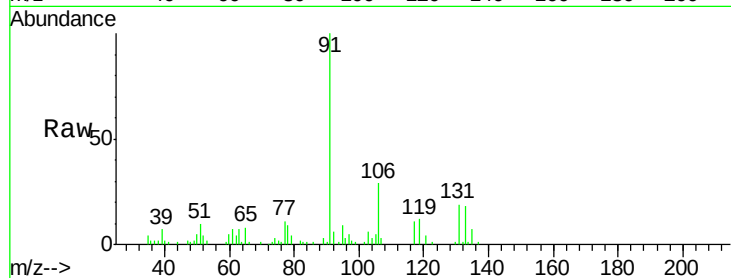
#67
Ethyl Benzene
Concen: 2.04 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampled :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 91 Resp: 21121
Ion Ratio Lower Upper
91 100
106 28.7 24.7 37.1

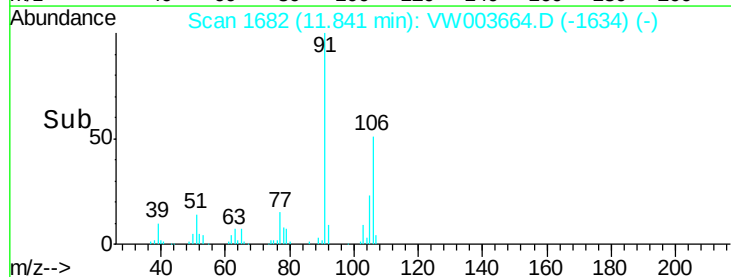
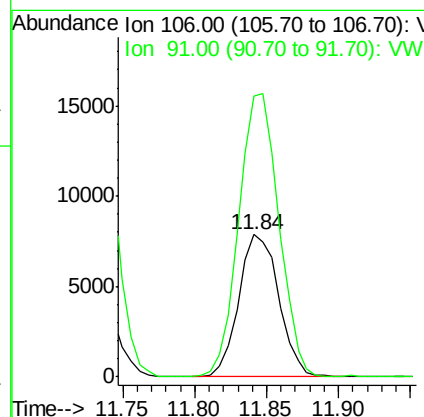
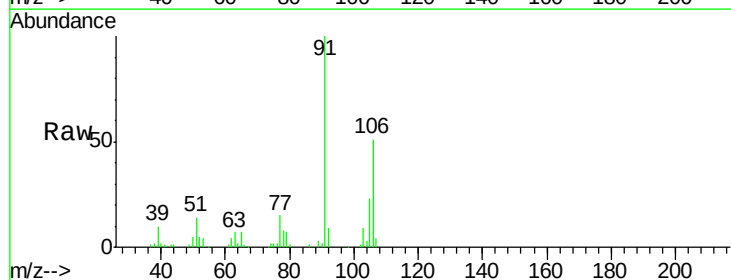
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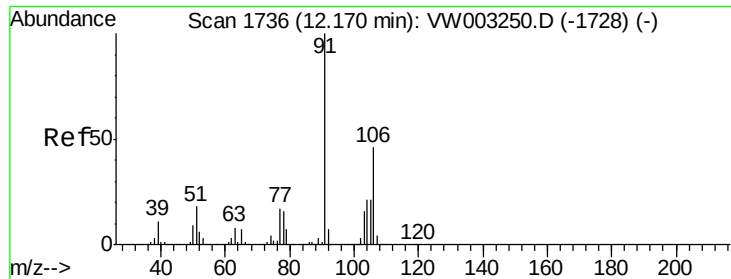
apatel
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#68
m/p-Xylenes
Concen: 3.85 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion: 106 Resp: 15140
Ion Ratio Lower Upper
106 100
91 200.3 165.4 248.0





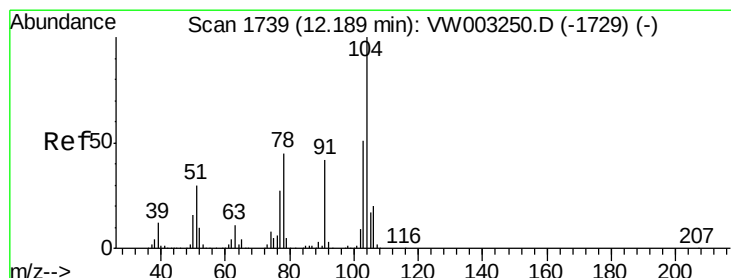
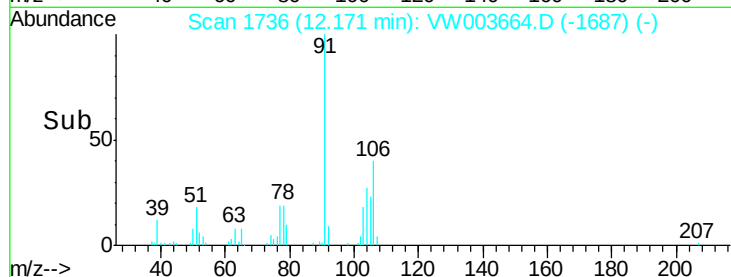
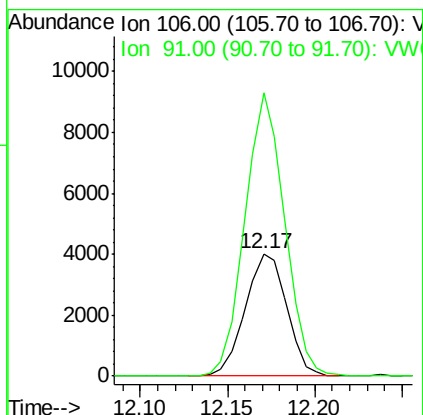
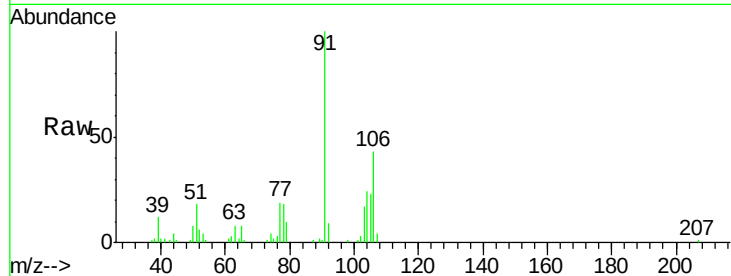
#69
o-Xylene
Concen: 1.82 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampled :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:106 Resp: 6625
Ion Ratio Lower Upper
106 100
91 221.2 108.6 325.6

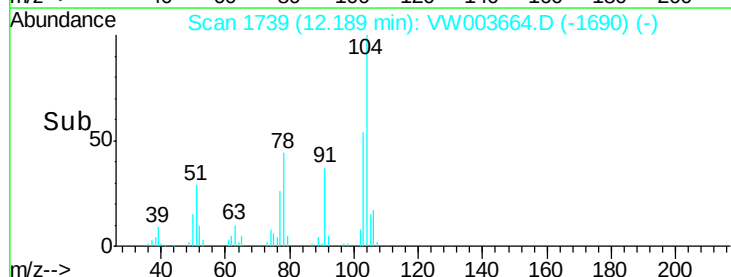
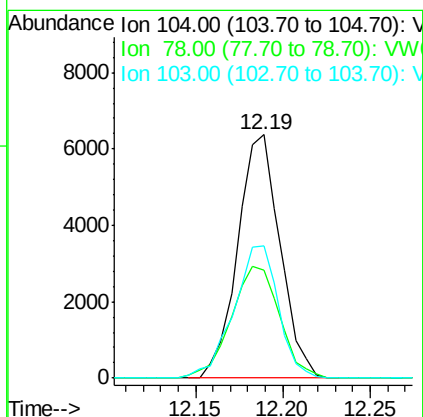
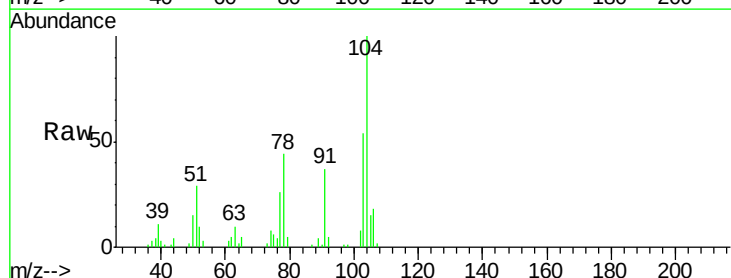
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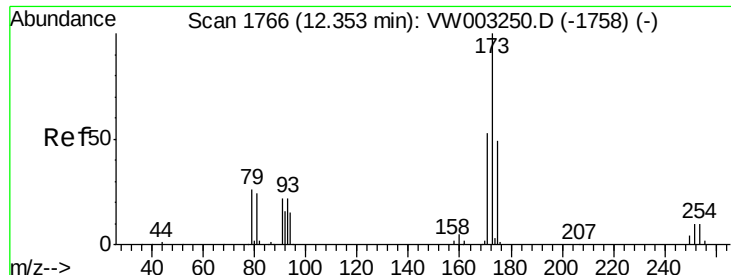
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#70
Styrene
Concen: 1.78 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion:104 Resp: 10761
Ion Ratio Lower Upper
104 100
78 52.3 41.3 61.9
103 57.2 45.0 67.4





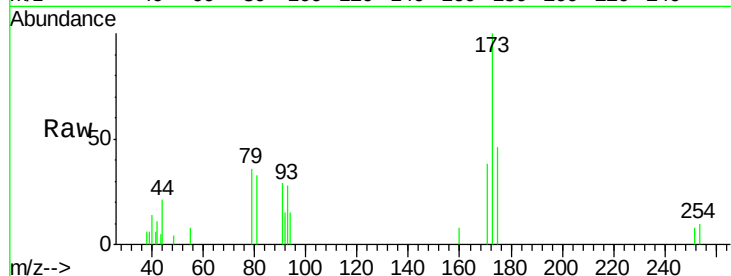
#71
Bromoform
Concen: 2.01 ug/l
RT: 12.35 min Scan# 1765
Delta R.T. -0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.4	73.4
254	0.0	0.1	0.1#

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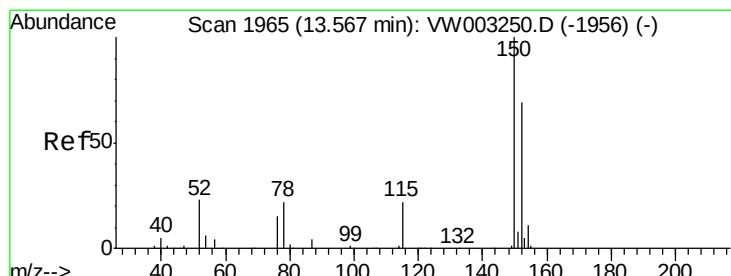
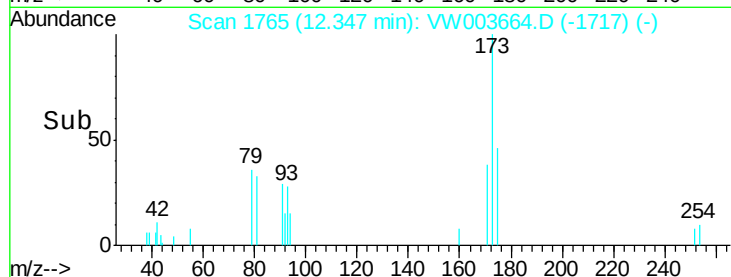
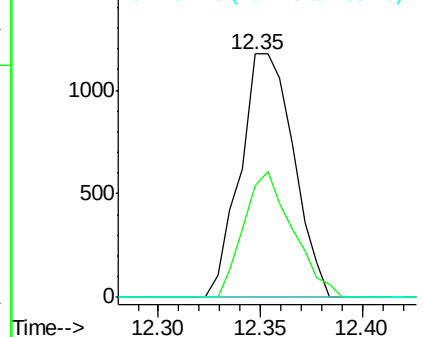


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

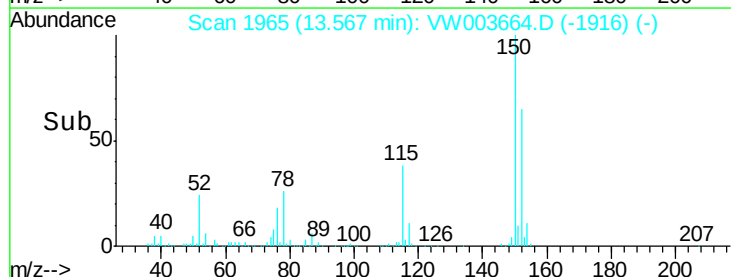
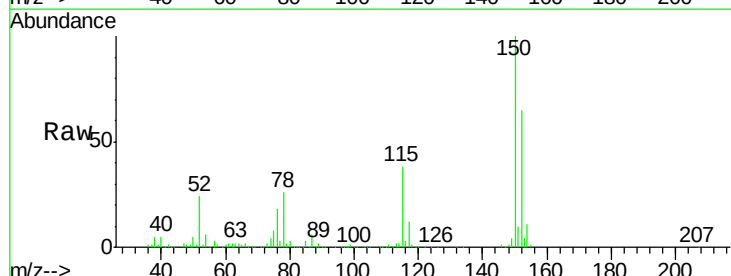
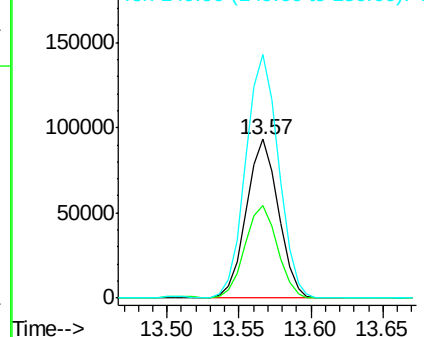
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.3	88.0
150	157.1	0.0	349.6

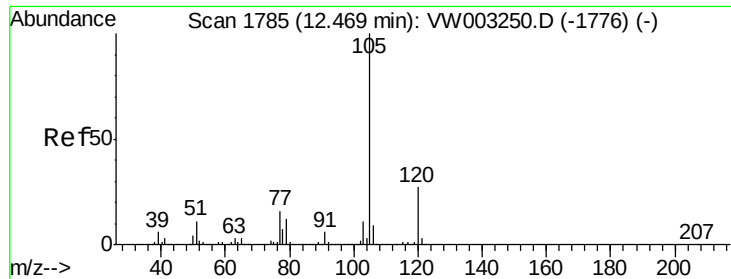
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





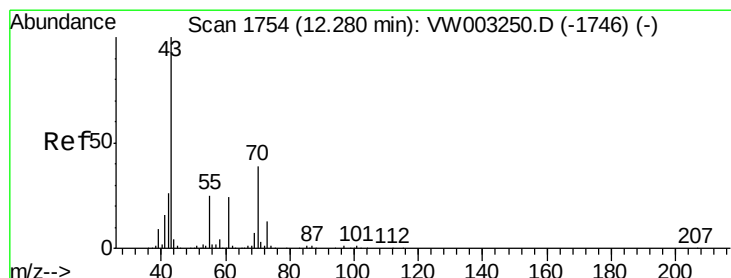
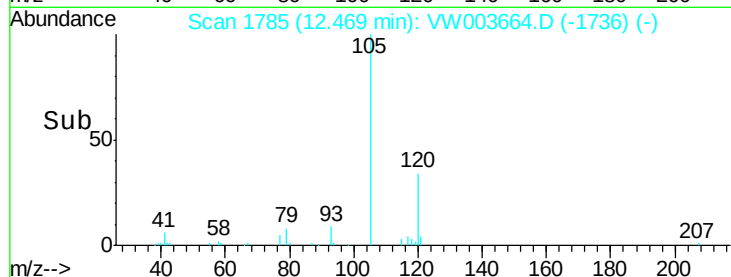
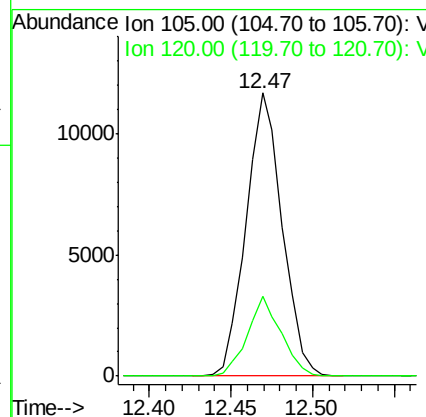
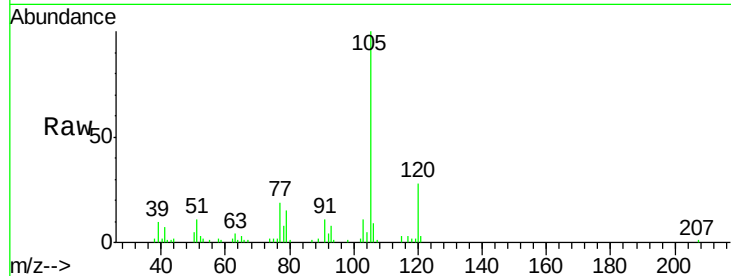
#73
Isopropylbenzene
Concen: 1.80 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6

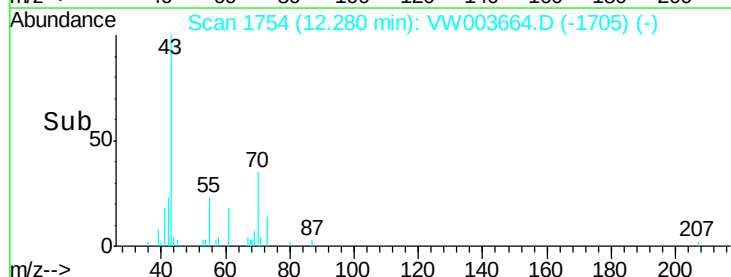
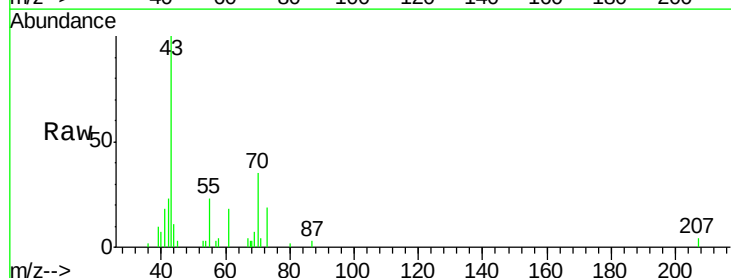
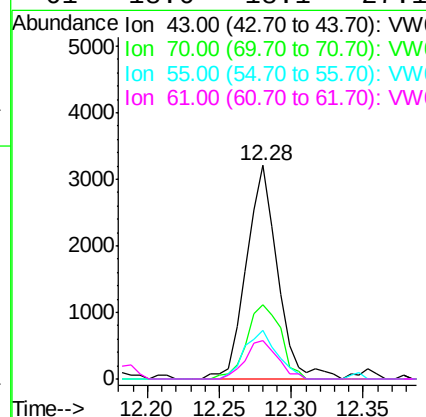
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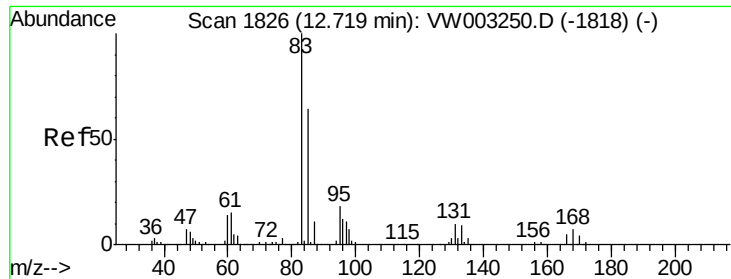
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#74
N-ethyl acetate
Concen: 2.11 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.6	31.0	46.6
55	23.9	19.7	29.5
61	18.6	18.1	27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 2.47 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

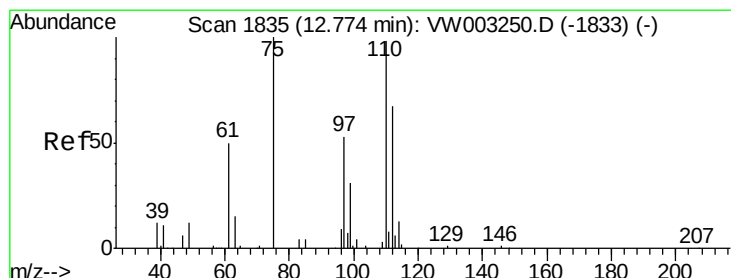
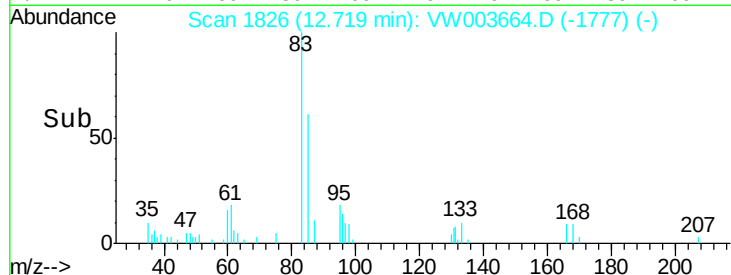
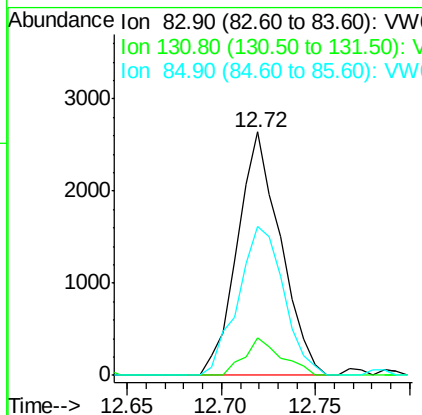
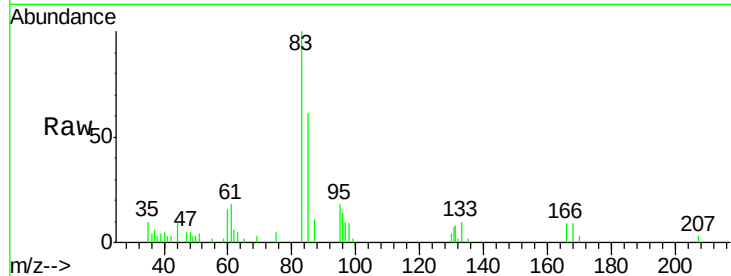
ClientSampled :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	83	Resp:	4184
Ion	Ratio	Lower	Upper
83	100		
131	13.2	5.4	16.2
85	64.9	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 2.79 ug/l m

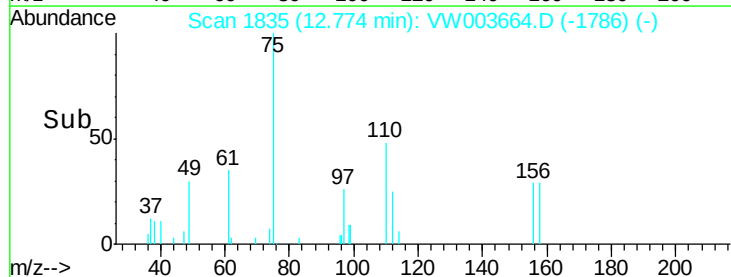
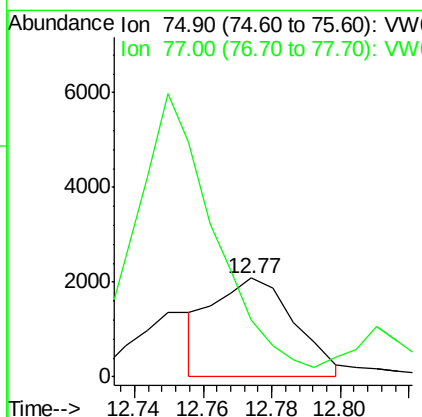
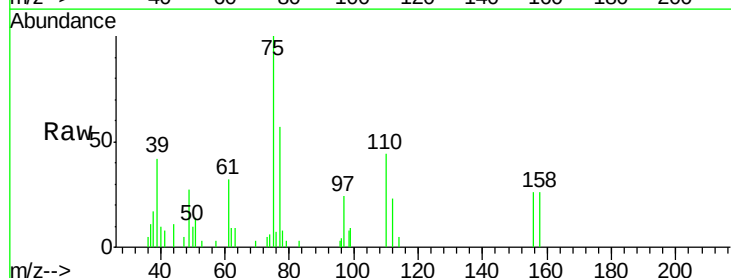
RT: 12.77 min Scan# 1835

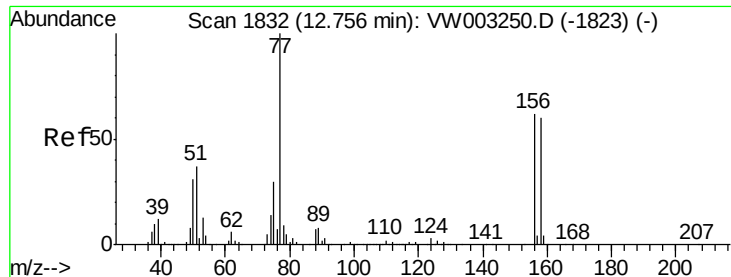
Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Tgt Ion:	75	Resp:	3426
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





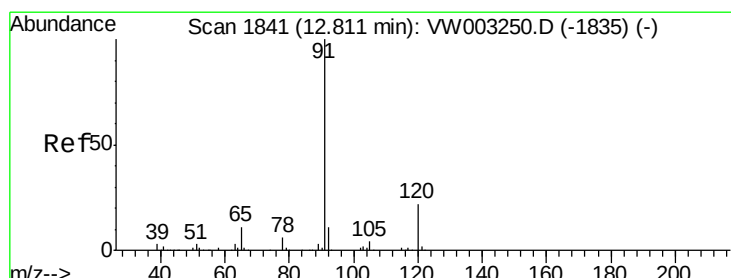
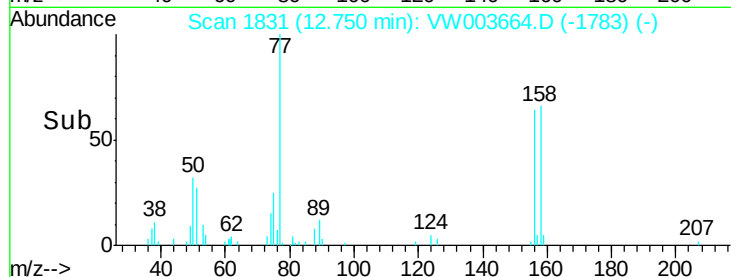
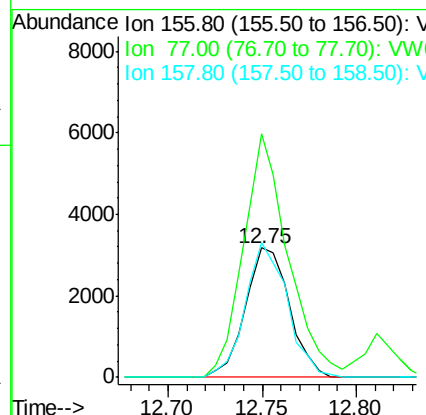
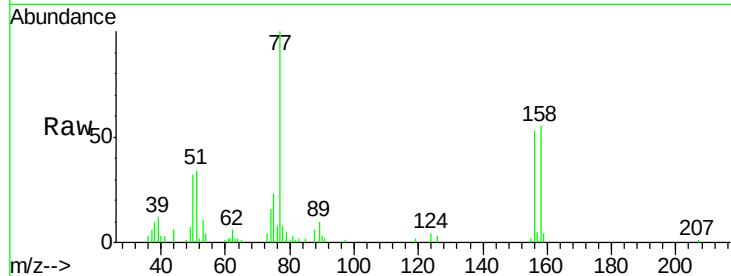
#77
Bromobenzene
Concen: 2.21 ug/l
RT: 12.75 min Scan# 1831
Delta R.T. -0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
156	100		
77	190.2	92.3	276.9
158	99.1	47.5	142.6

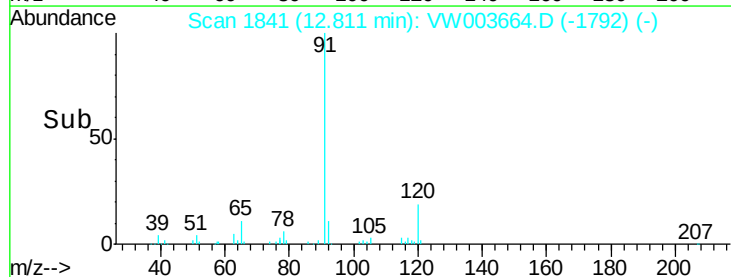
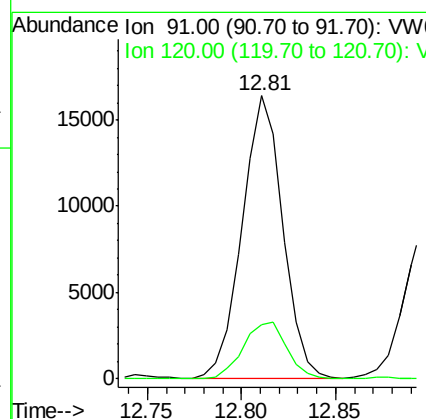
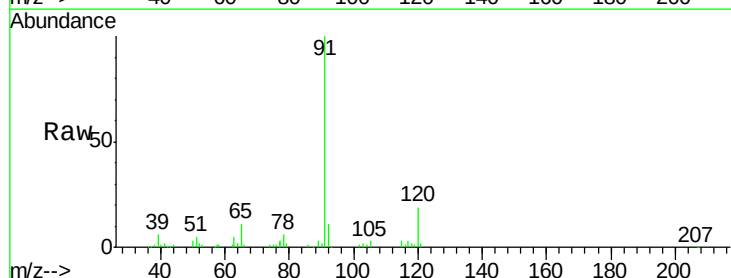
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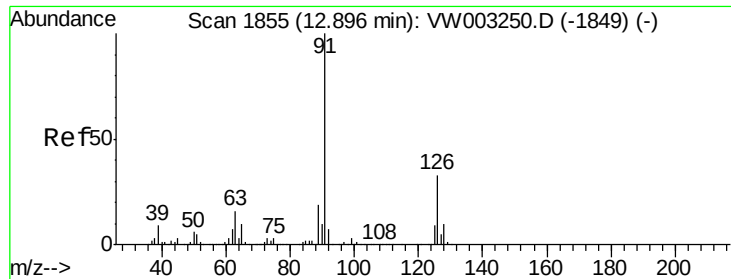
apatel
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#78
n-propylbenzene
Concen: 2.00 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.3	33.8





#79

2-Chlorotoluene

Concen: 2.10 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 91 Resp: 14525

Ion Ratio Lower Upper

91 100

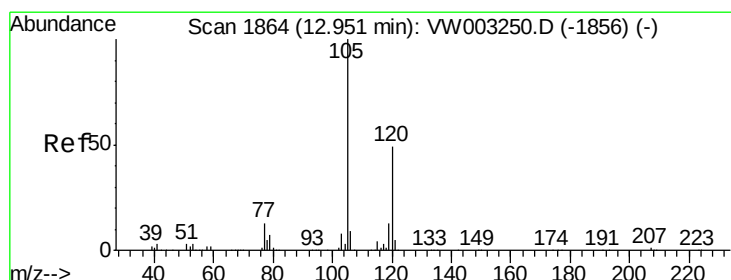
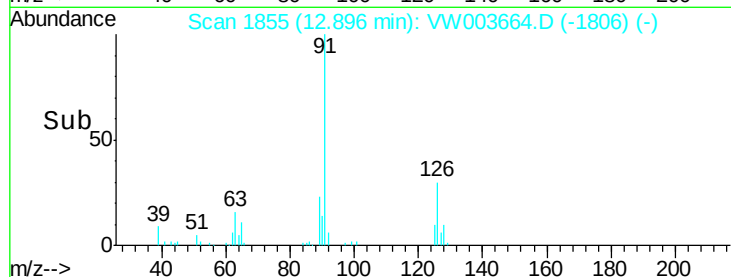
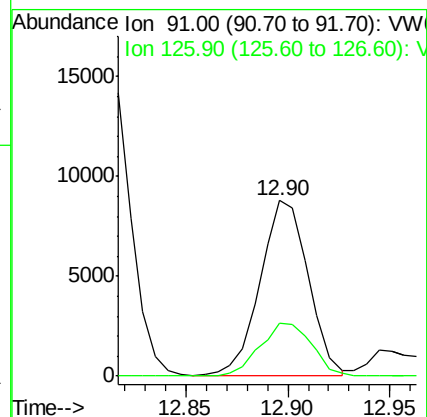
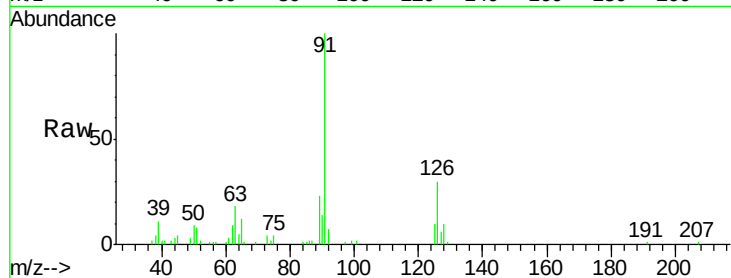
126 32.3 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 1.85 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003664.D

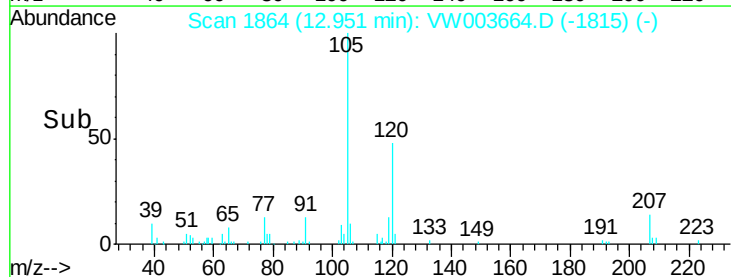
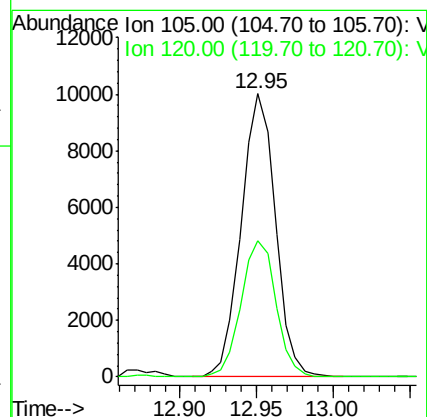
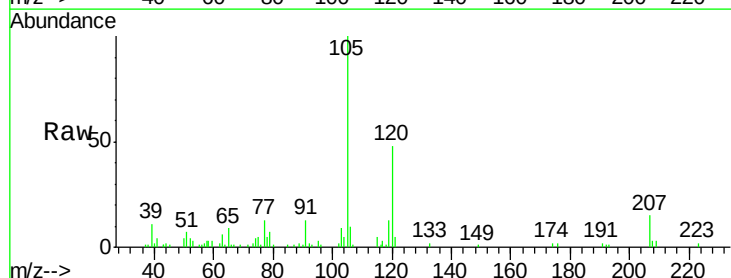
Acq: 29 Jun 2018 16:50

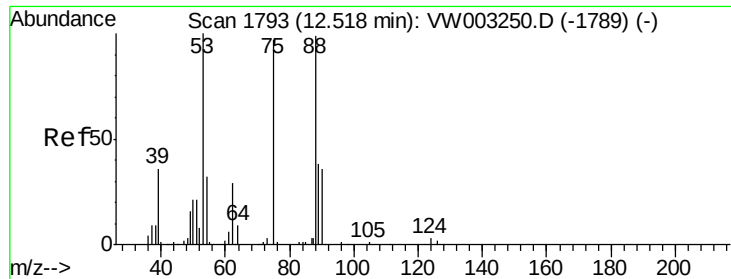
Tgt Ion:105 Resp: 15553

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 1.84 ug/l m

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

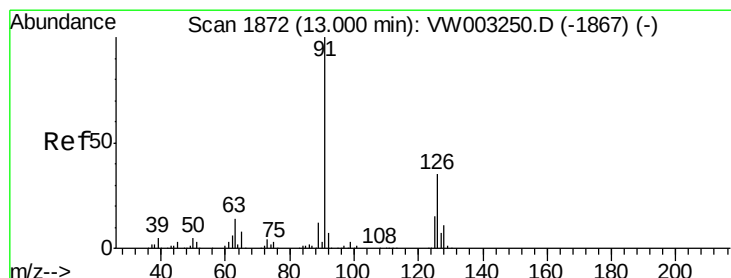
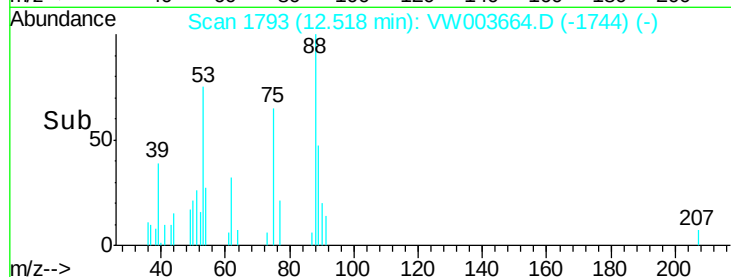
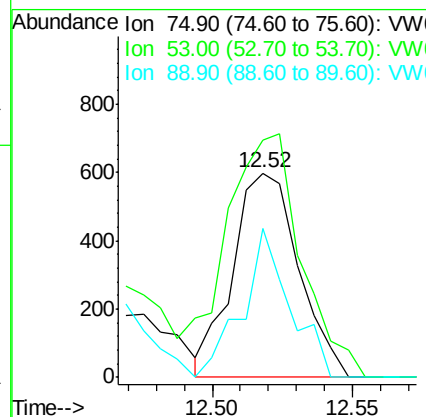
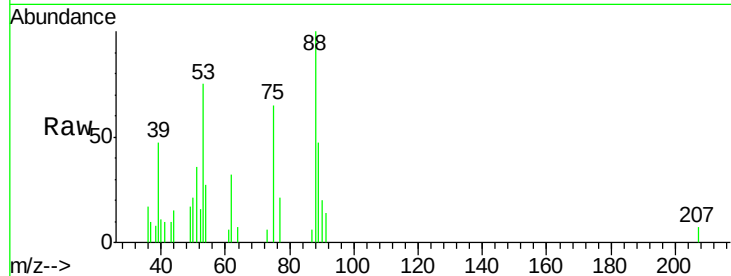
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	75	Resp:	983
Ion	Ratio	Lower	Upper
75	100		
53	9.2	82.9	124.3#
89	11.4	36.7	55.1#

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#82

4-Chlorotoluene

Concen: 2.08 ug/l

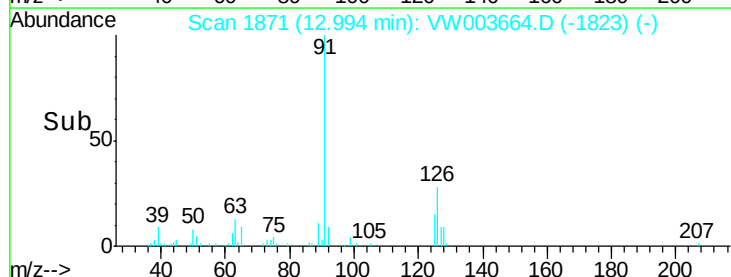
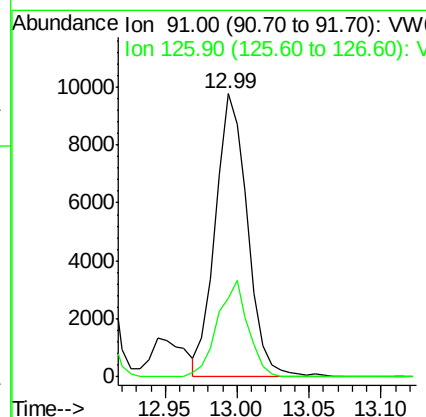
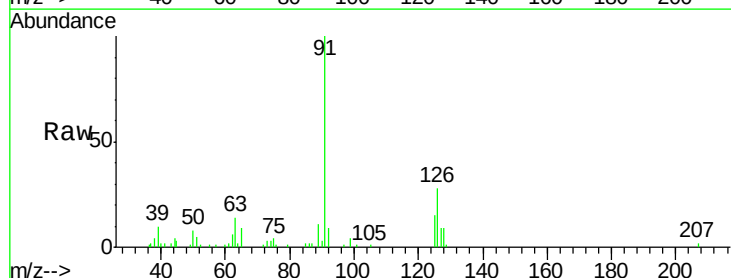
RT: 12.99 min Scan# 1871

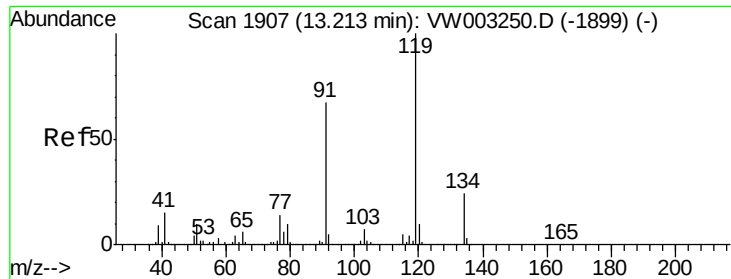
Delta R.T. -0.01 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Tgt Ion:	91	Resp:	15265
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.8	50.3





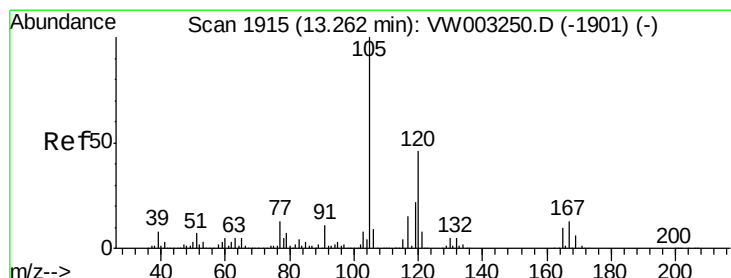
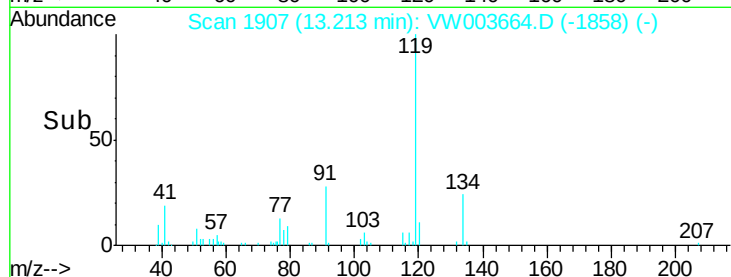
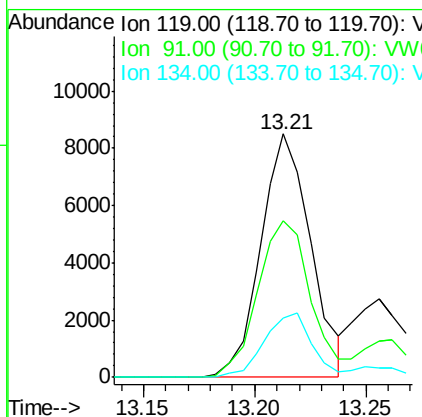
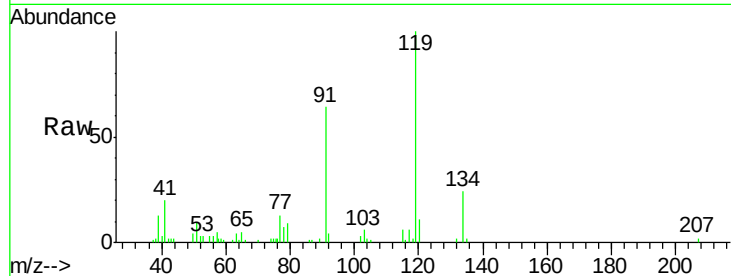
#83
 tert-Butylbenzene
 Concen: 1.85 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	33.9	101.7
134	25.5	13.4	40.1

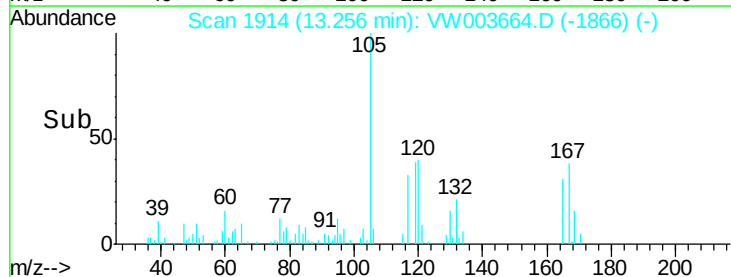
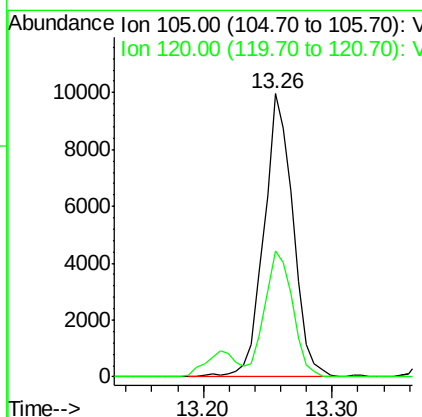
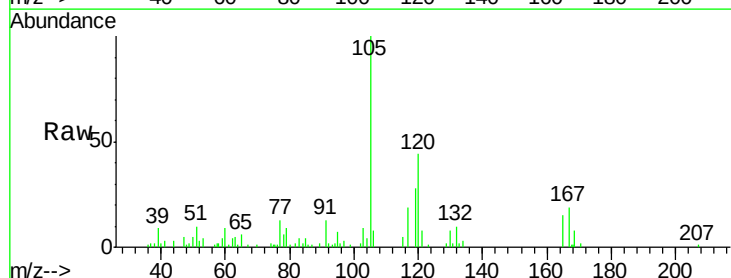
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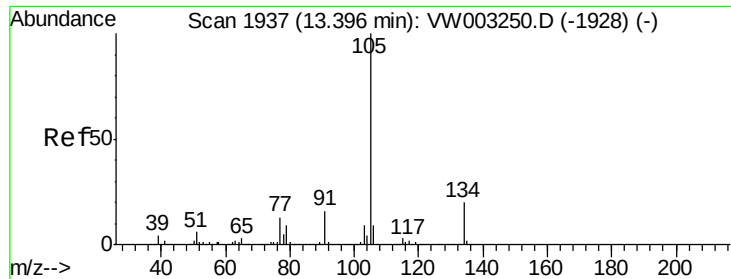
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 1.81 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.5	67.5





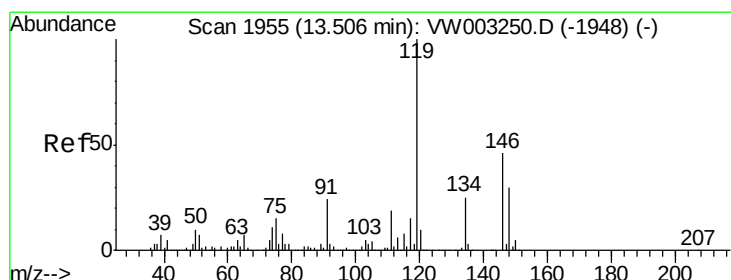
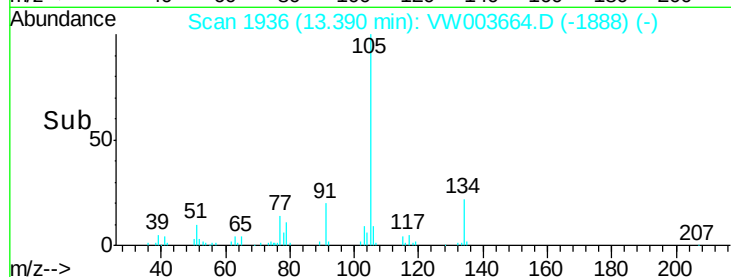
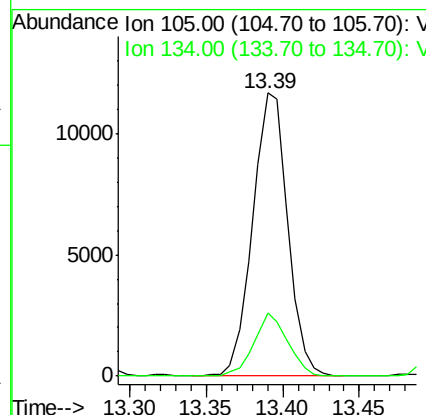
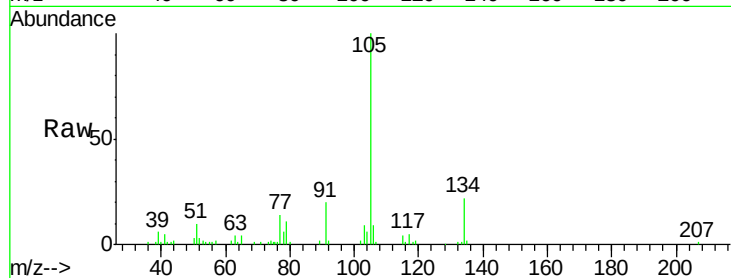
#85
 sec-Butylbenzene
 Concen: 1.75 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	9.8	29.5

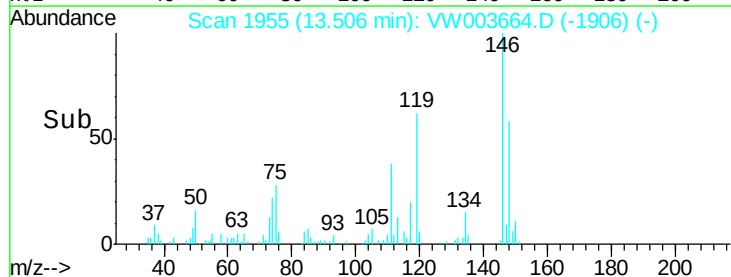
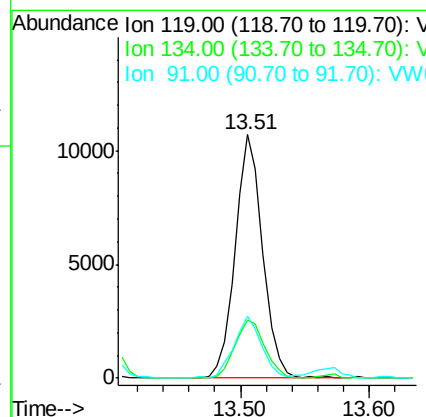
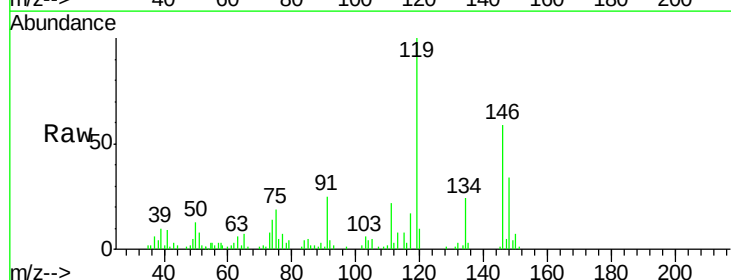
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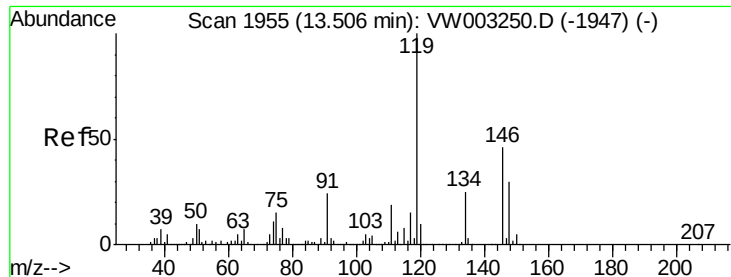
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#86
 p-Isopropyltoluene
 Concen: 1.69 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003664.D
 Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.7
91	25.5	11.8	35.3





#87

1,3-Dichlorobenzene

Concen: 2.10 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

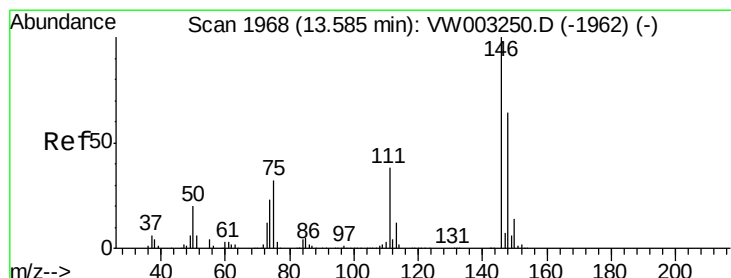
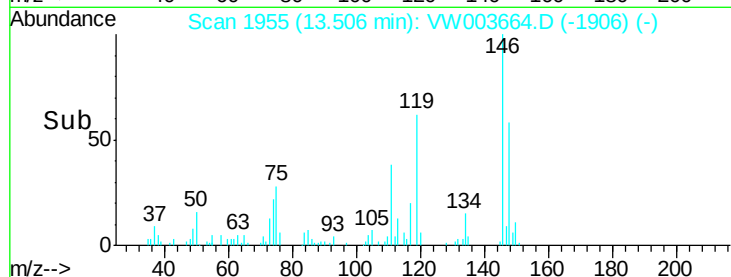
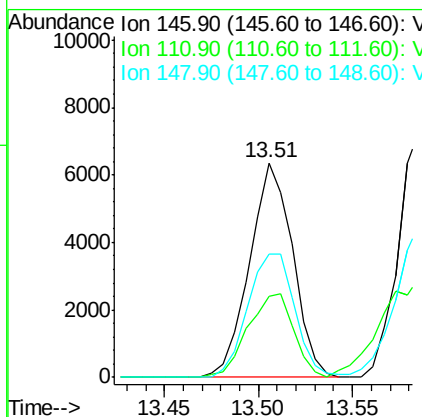
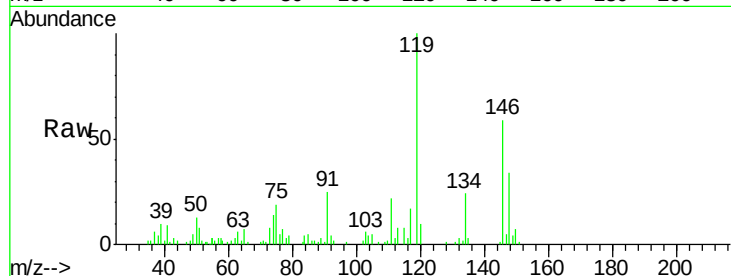
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	146	Resp:	10065
Ion Ratio	Lower	Upper	
146	100		
111	41.5	19.8	59.4
148	63.0	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 2.39 ug/l

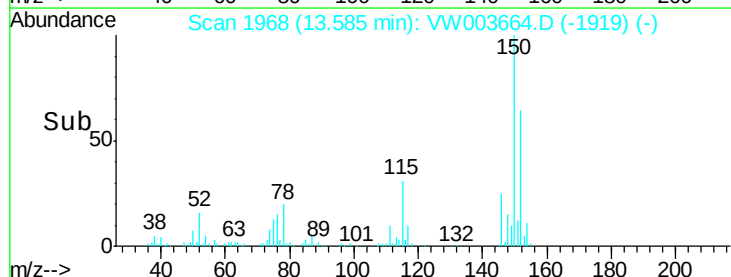
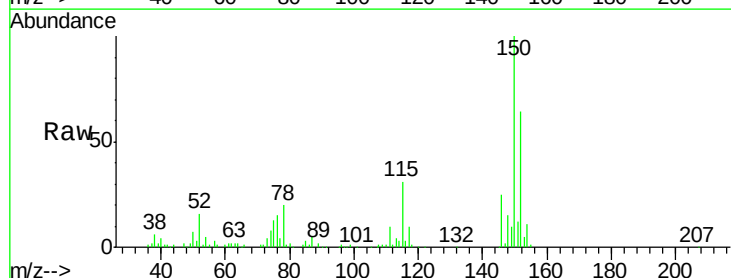
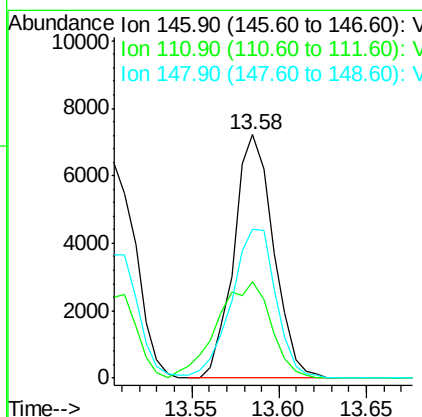
RT: 13.58 min Scan# 1968

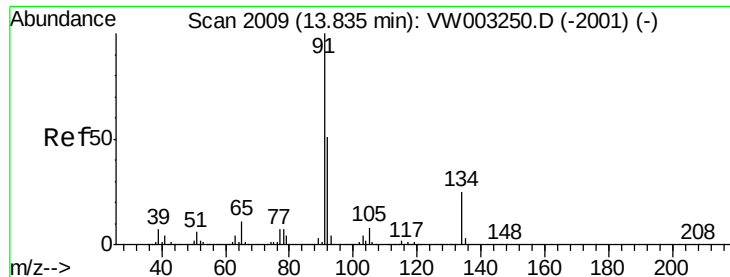
Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Tgt Ion:	146	Resp:	11357
Ion Ratio	Lower	Upper	
146	100		
111	53.6	19.2	57.6
148	69.0	31.8	95.4





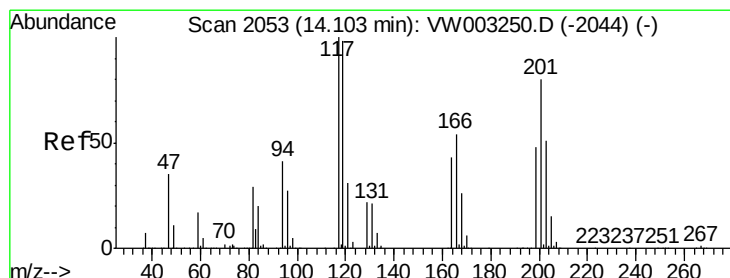
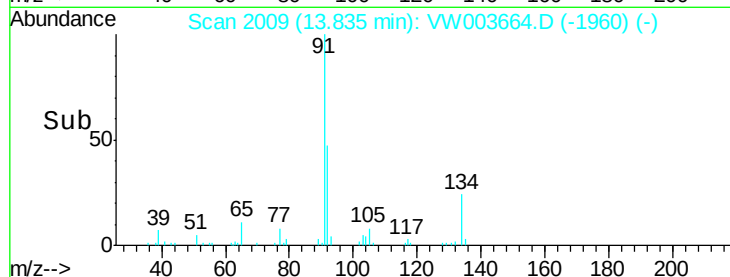
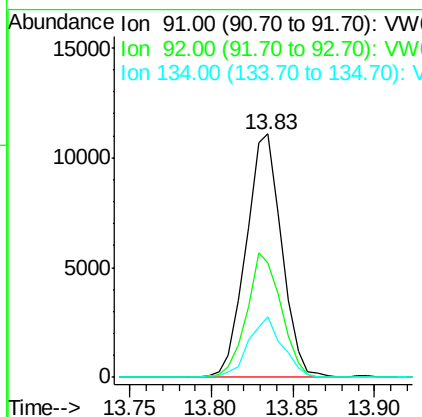
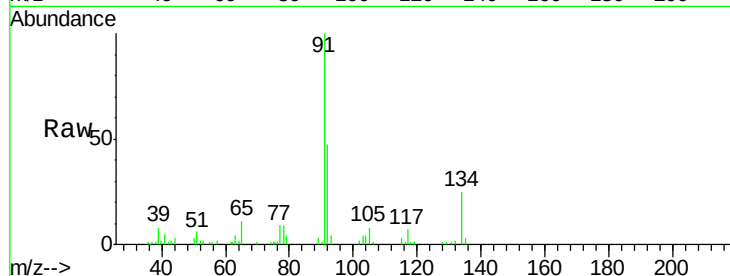
#89
n-Butylbenzene
Concen: 1.85 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampled :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.3	26.0	78.0
134	23.6	12.7	38.0

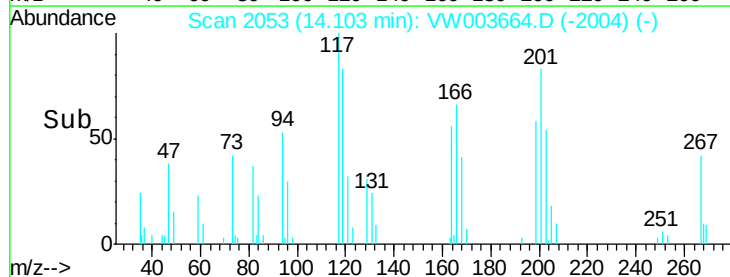
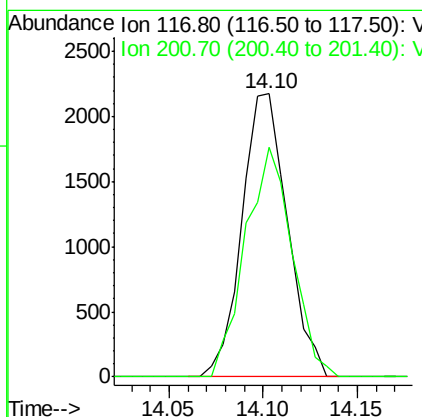
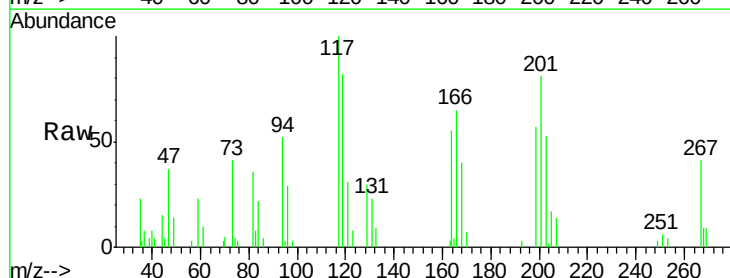
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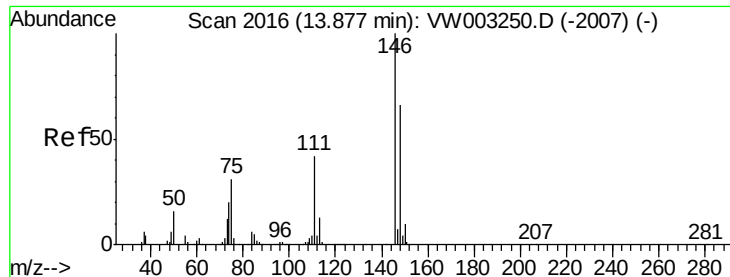
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#90
Hexachloroethane
Concen: 2.14 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	39.5	118.5





#91

1,2-Dichlorobenzene

Concen: 2.23 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003664.D

Acq: 29 Jun 2018 16:50

Instrument :

MSVOA_W

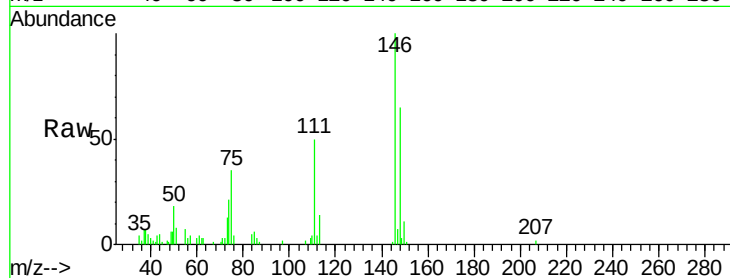
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

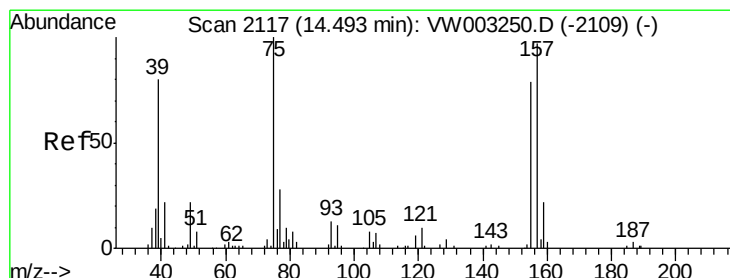
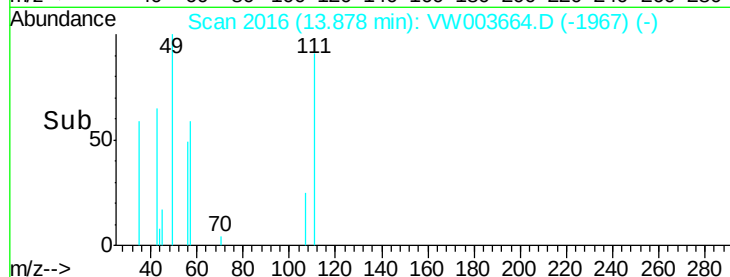
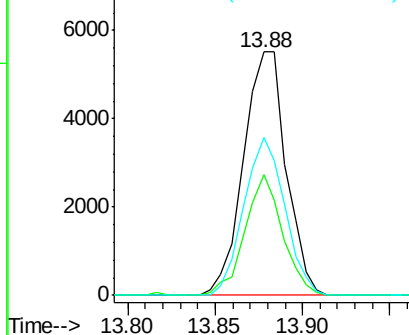
Tot Ion:	146	Resp:	9360
Ion Ratio	Lower	Upper	
146	100		
111	43.5	20.3	61.0
148	62.1	32.3	96.9

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.82 ug/l

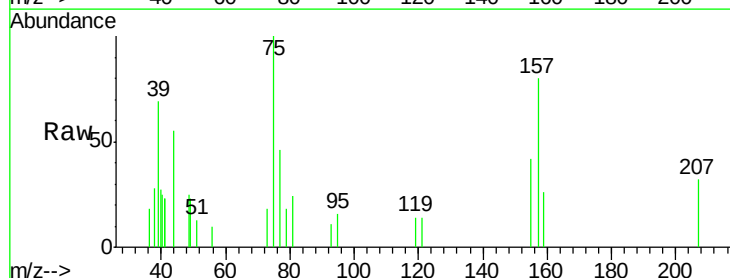
RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

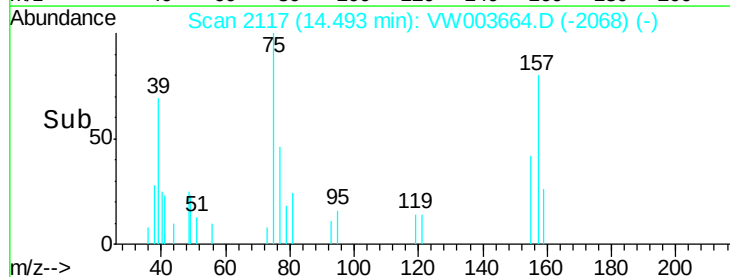
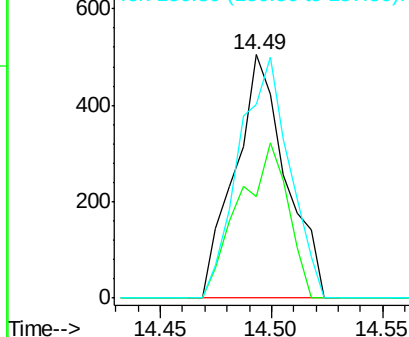
Lab File: VW003664.D

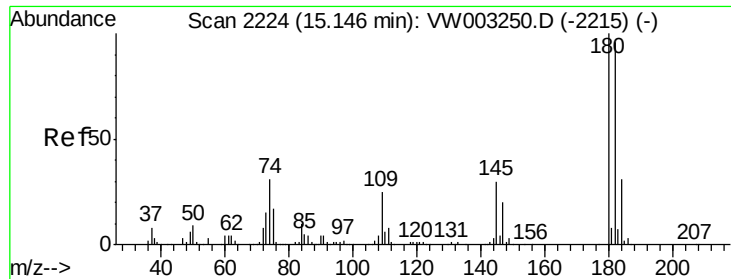
Acq: 29 Jun 2018 16:50

Tgt Ion:	75	Resp:	802
Ion Ratio	Lower	Upper	
75	100		
155	61.0	39.4	118.2
157	98.3	51.5	154.5



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





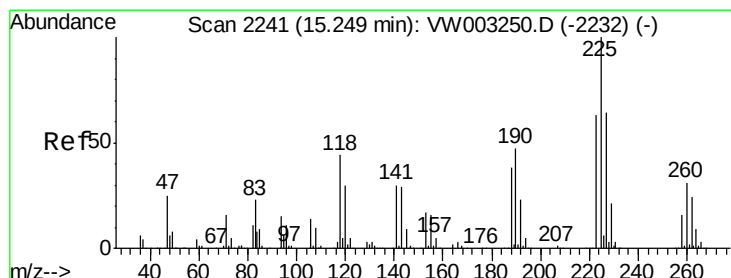
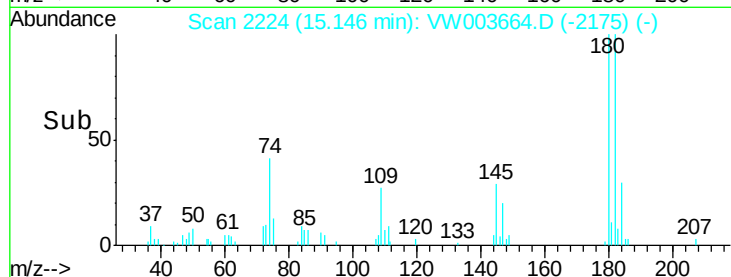
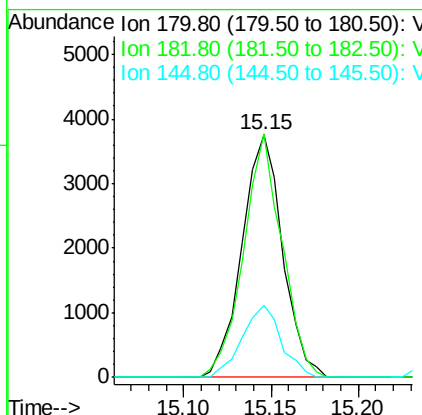
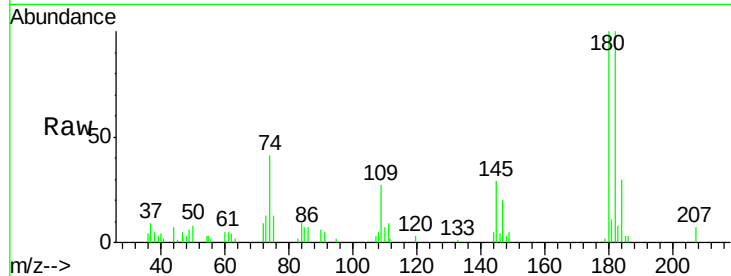
#93
1,2,4-Trichlorobenzene
Concen: 2.06 ug/l
RT: 15.15 min Scan# 2224
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.6
145	28.5	15.2	45.5

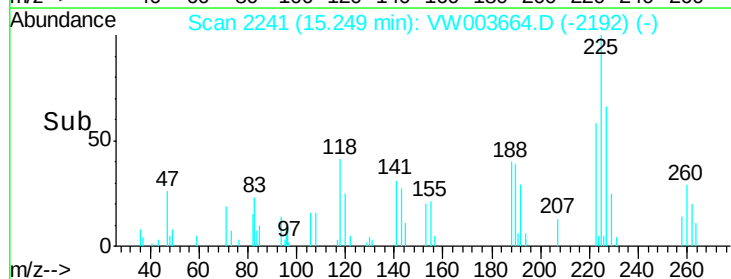
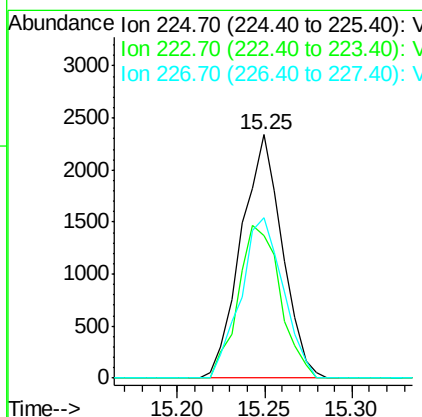
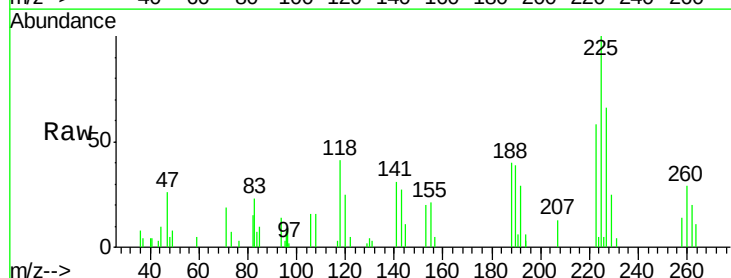
Manual Integrations
APPROVED

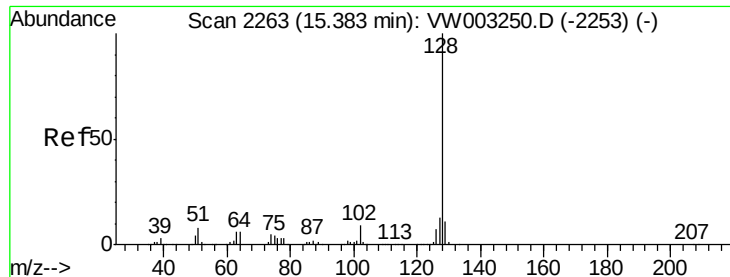
apatel
7/2/2018 10:30:51 AM



#94
Hexachlorobutadiene
Concen: 2.17 ug/l
RT: 15.25 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.6	92.0
227	67.9	31.7	95.1





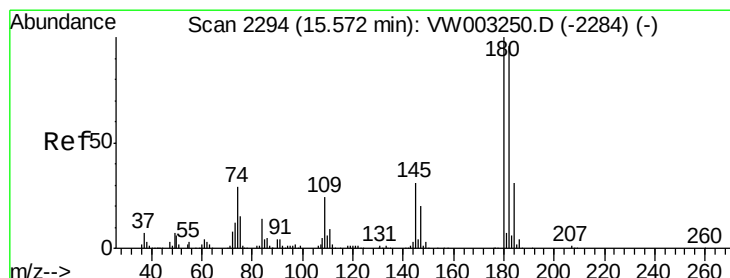
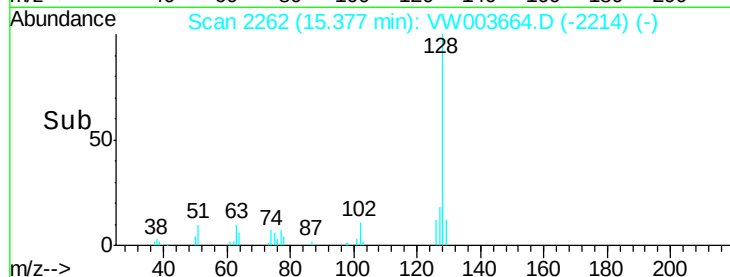
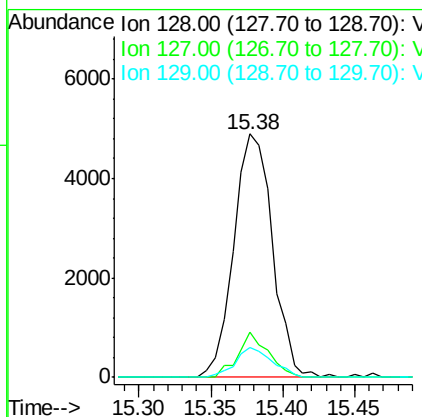
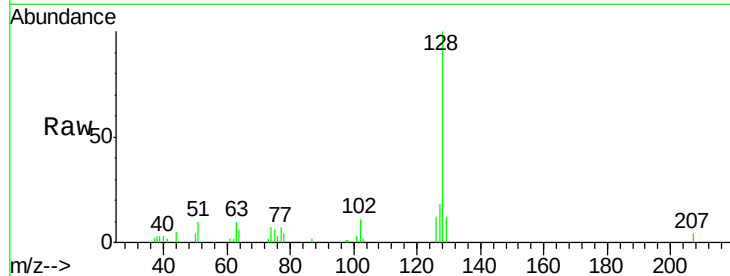
#95
Naphthalene
Concen: 1.83 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.5	15.7
129	11.4	8.9	13.3

Manual Integrations
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apatel
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#96
1,2,3-Trichlorobenzene
Concen: 2.19 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VW003664.D
Acq: 29 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.9	143.6
145	32.2	15.8	47.4

