

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
 Data File : VW005898.D
 Acq On : 08 Oct 2018 16:25
 Operator : SY/AP
 Sample : J5164-01LOD/MDL
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Manual Integrations
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Quant Time: Oct 09 07:13:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	314824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	453386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	415847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	222640	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	146141	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
35) Dibromofluoromethane	7.88	113	142941	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	10.33	98	558052	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.62	95	207787	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.02	85	4116	2.67	ug/l	72
3) Chloromethane	2.21	50	6580	3.63	ug/l	95
4) Vinyl Chloride	2.37	62	8198	2.85	ug/l	98
5) Bromomethane	2.78	94	6759	2.97	ug/l	89
6) Chloroethane	2.93	64	4708	2.56	ug/l #	88
7) Trichlorofluoromethane	3.26	101	5849	2.56	ug/l	94
8) Diethyl Ether	3.68	74	4381	3.11	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	7521	2.61	ug/l	98
10) Methyl Iodide	4.27	142	12112	2.57	ug/l	96
11) Tert butyl alcohol	5.22	59	3333	14.88	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	7618	2.75	ug/l	91
13) Acrolein	3.89	56	2895	14.50	ug/l	97
14) Allyl chloride	4.67	41	11384	2.41	ug/l	95
15) Acrylonitrile	5.37	53	8315	13.58	ug/l	98
16) Acetone	4.14	43	10833	17.75	ug/l #	89
17) Carbon Disulfide	4.37	76	21386	2.55	ug/l	100
18) Methyl Acetate	4.67	43	4783	3.10	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	12338	2.86	ug/l	93
20) Methylene Chloride	4.92	84	14659	4.79	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	8675	2.87	ug/l	94
22) Diisopropyl ether	6.32	45	22002	2.49	ug/l	97
23) Vinyl Acetate	6.26	43	66886	12.30	ug/l	97
24) 1,1-Dichloroethane	6.21	63	13614	2.52	ug/l	94
25) 2-Butanone	7.18	43	12126	13.97	ug/l	97
26) 2,2-Dichloropropane	7.16	77	12690	3.34	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	8997	2.63	ug/l	91
28) Bromochloromethane	7.51	49	5585	2.80	ug/l	97
29) Tetrahydrofuran	7.54	42	7846	14.29	ug/l	94
30) Chloroform	7.68	83	14588	2.63	ug/l	98
31) Cyclohexane	7.95	56	19007	3.55	ug/l #	73
32) 1,1,1-Trichloroethane	7.87	97	12908	2.61	ug/l	93
36) 1,1-Dichloropropene	8.08	75	11582	2.67	ug/l	97
37) Ethyl Acetate	7.27	43	4758	2.59	ug/l #	94
38) Carbon Tetrachloride	8.07	117	11997	2.57	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	15748	2.75	ug/l	98
40) Benzene	8.32	78	31094	2.62	ug/l	98
41) Methacrylonitrile	7.49	41	2849	2.47	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	9083	2.53	ug/l	91
43) Isopropyl Acetate	8.43	43	10011	2.60	ug/l	97
44) Trichloroethene	9.09	130	9523	2.76	ug/l	94
45) 1,2-Dichloropropane	9.37	63	7879	2.65	ug/l	92
46) Dibromomethane	9.46	93	4656	2.85	ug/l	96
47) Bromodichloromethane	9.65	83	10574	2.57	ug/l	100
48) Methyl methacrylate	9.45	41	4786	2.61	ug/l	99
49) 1,4-Dioxane	9.48	88	1409	56.71	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	26607	14.22	ug/l	96
52) Toluene	10.39	92	20711	2.65	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	10472	2.43	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	12172	2.52	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	6203	2.74	ug/l	95
56) Ethyl methacrylate	10.65	69	7824	2.56	ug/l	94
57) 1,3-Dichloropropane	10.93	76	10035	2.63	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	17501	14.09	ug/l	99
59) 2-Hexanone	10.98	43	17316	12.90	ug/l	97
60) Dibromochloromethane	11.13	129	7329	2.51	ug/l	94
61) 1,2-Dibromoethane	11.24	107	6208	2.74	ug/l	99
64) Tetrachloroethene	10.87	164	8624	2.78	ug/l	94
65) Chlorobenzene	11.66	112	23795	2.67	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	8121	2.49	ug/l	95
67) Ethyl Benzene	11.73	91	41959	2.67	ug/l	97
68) m/p-Xylenes	11.84	106	32034	5.21	ug/l	99
69) o-Xylene	12.17	106	15144	2.57	ug/l	97
70) Styrene	12.18	104	24783	2.54	ug/l	99
71) Bromoform	12.35	173	4737	2.44	ug/l #	96
73) Isopropylbenzene	12.47	105	42923	2.64	ug/l	98
74) N-amyl acetate	12.27	43	9829	2.55	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	7717	2.90	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	5432m	2.73	ug/l	
77) Bromobenzene	12.75	156	10383	2.70	ug/l	99
78) n-propylbenzene	12.81	91	49302	2.58	ug/l	100
79) 2-Chlorotoluene	12.90	91	28315	2.62	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	35299	2.57	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	2217m	2.35	ug/l	
82) 4-Chlorotoluene	12.99	91	30433	2.68	ug/l	98
83) tert-Butylbenzene	13.21	119	32185	2.64	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	37482	2.71	ug/l	98
85) sec-Butylbenzene	13.39	105	44948	2.62	ug/l	100
86) p-Isopropyltoluene	13.51	119	39461	2.56	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	20767	2.71	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	21491	2.83	ug/l	92
89) n-Butylbenzene	13.83	91	36951	2.54	ug/l	99
90) Hexachloroethane	14.10	117	7174	2.47	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	19272	2.84	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1282	2.58	ug/l	96

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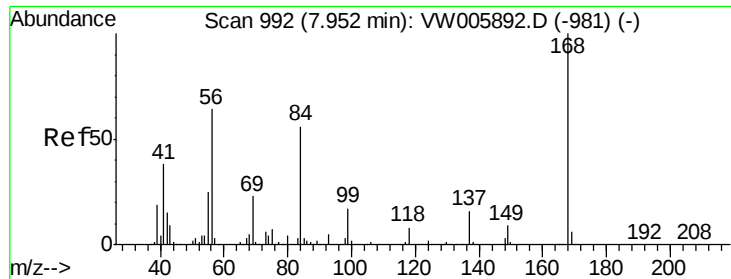
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	14954	2.84	ug/l	99
94) Hexachlorobutadiene	15.24	225	8773	2.67	ug/l	98
95) Naphthalene	15.38	128	25744	2.83	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	12713	2.79	ug/l	98

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



#1

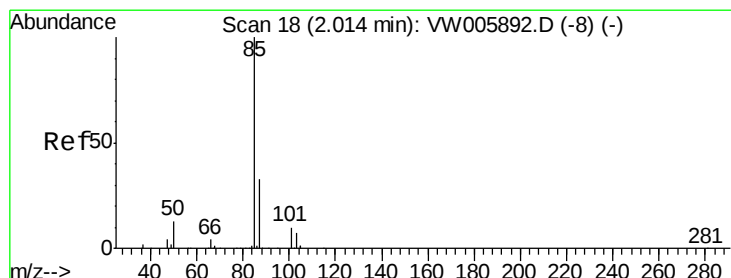
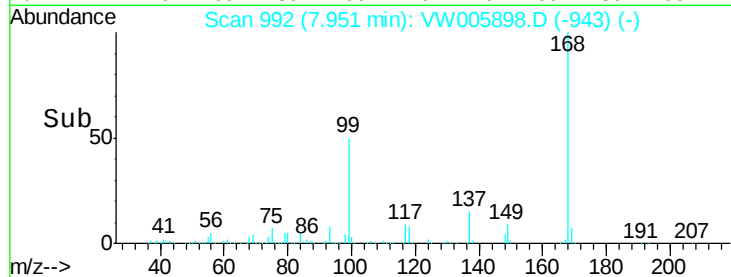
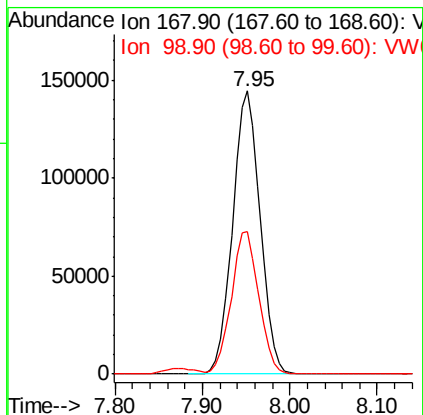
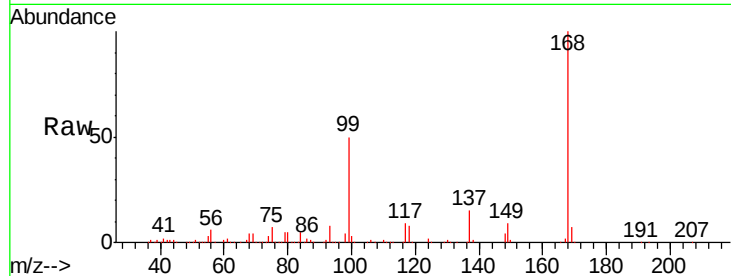
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

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Tgt Ion	Ratio	Lower	Upper
168	100		
99	50.2	40.9	61.3

Manual Integrations
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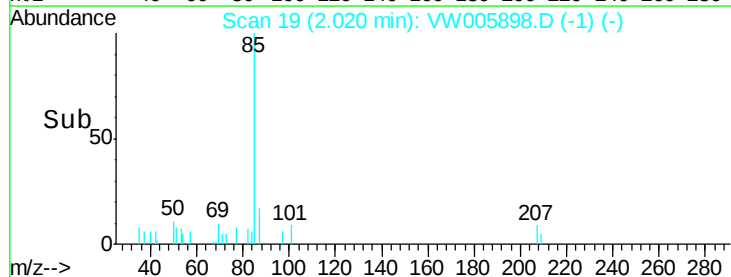
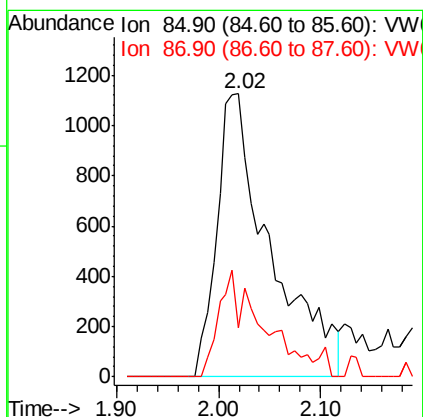
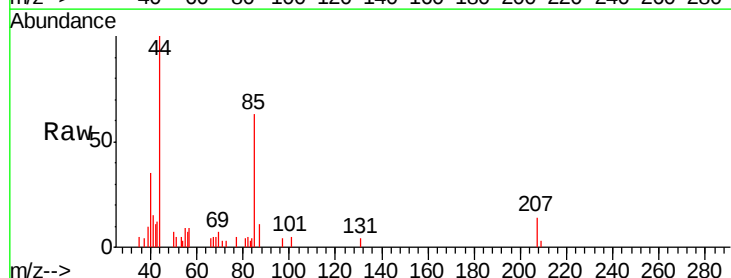
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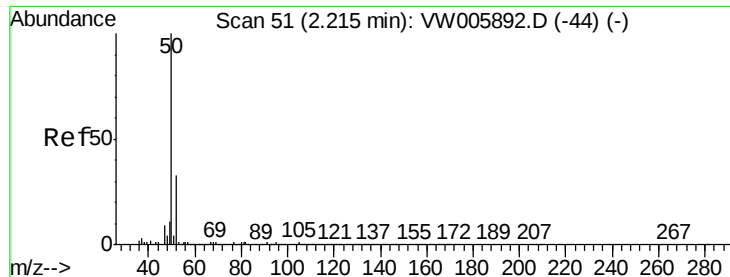


#2

Dichlorodifluoromethane
 Concen: 2.67 ug/l
 RT: 2.02 min Scan# 19
 Delta R.T. 0.01 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	17.3	16.6	49.8





#3

Chloromethane

Concen: 3.63 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

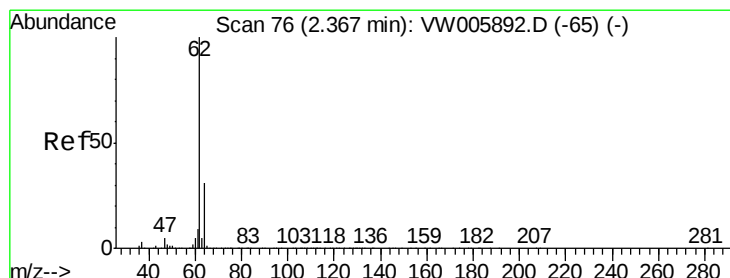
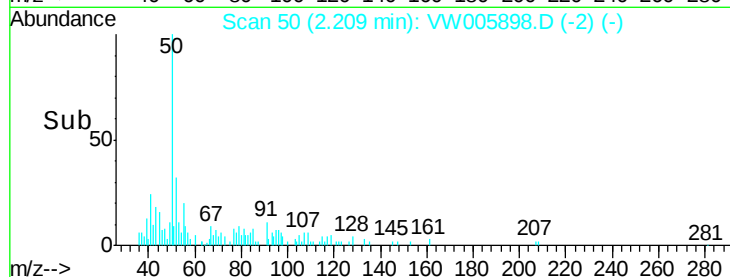
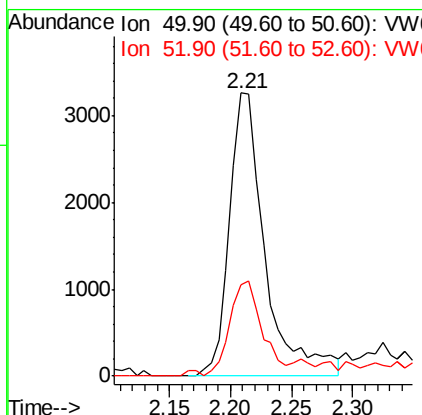
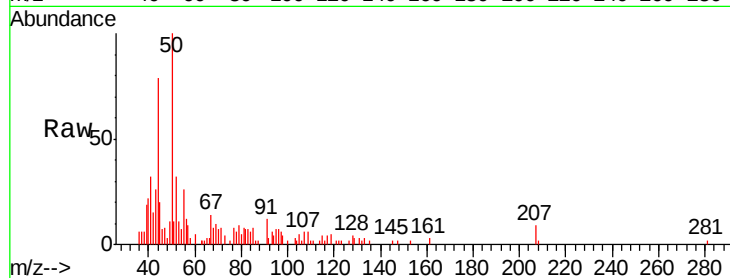
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.4	26.7	40.1

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#4

Vinyl Chloride

Concen: 2.85 ug/l

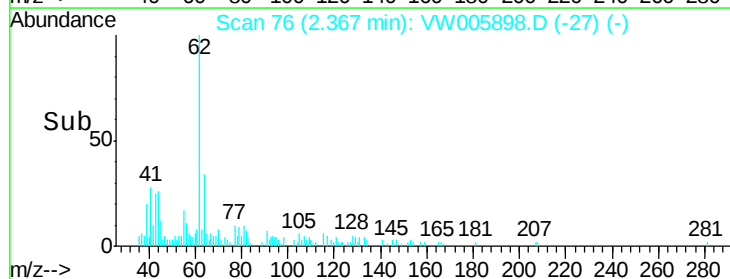
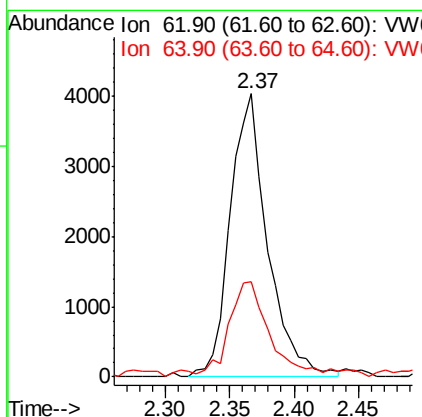
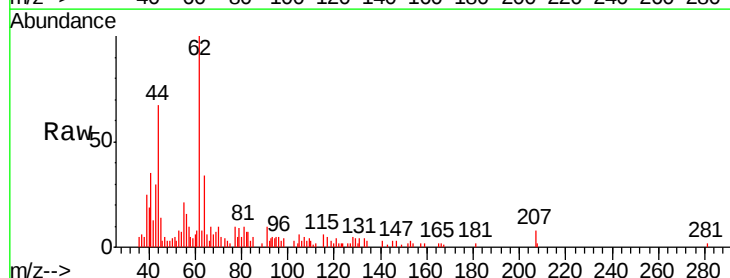
RT: 2.37 min Scan# 76

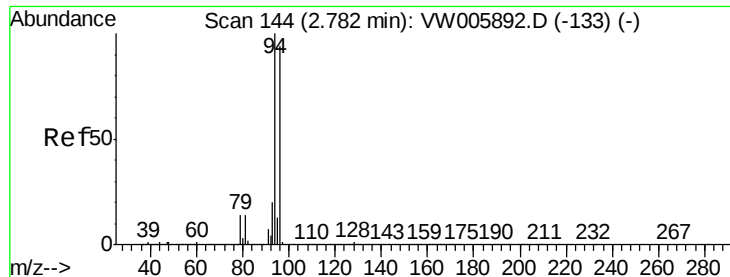
Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.6	36.8





#5

Bromomethane

Concen: 2.97 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 94 Resp: 6759

Ion Ratio Lower Upper

94 100

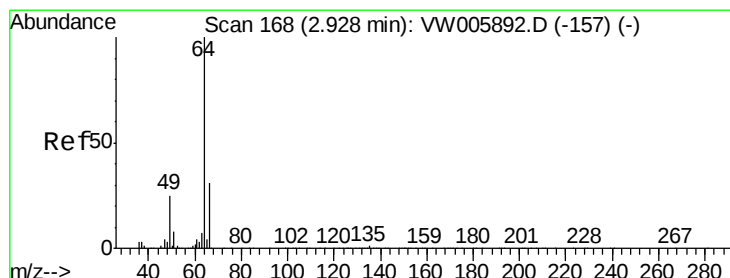
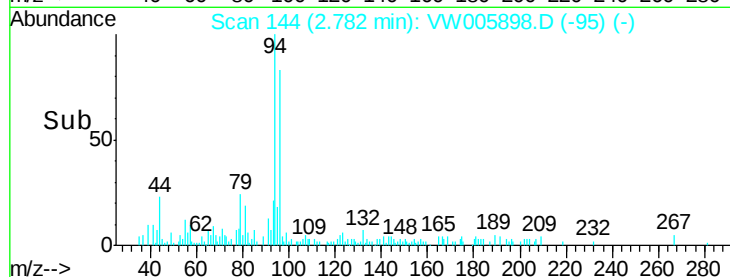
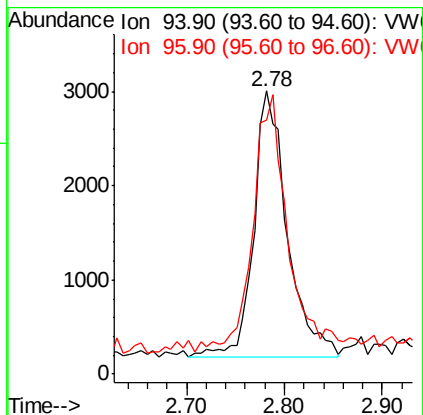
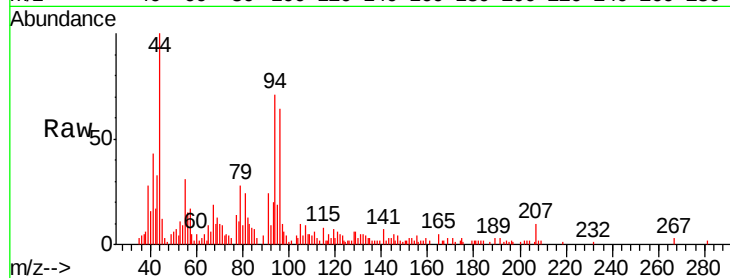
96 83.0 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 2.56 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW005898.D

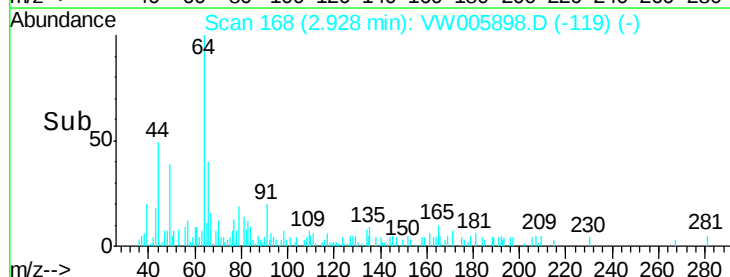
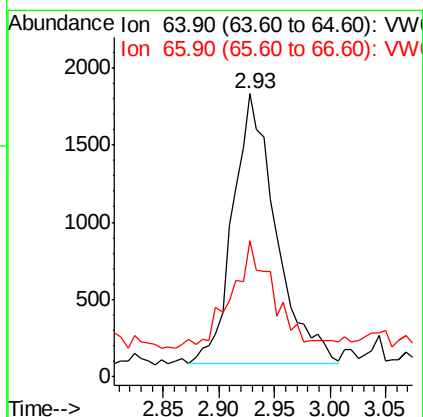
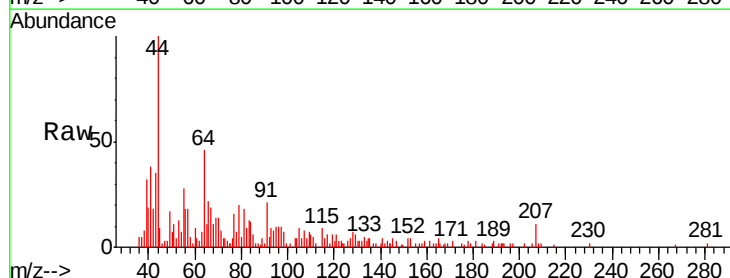
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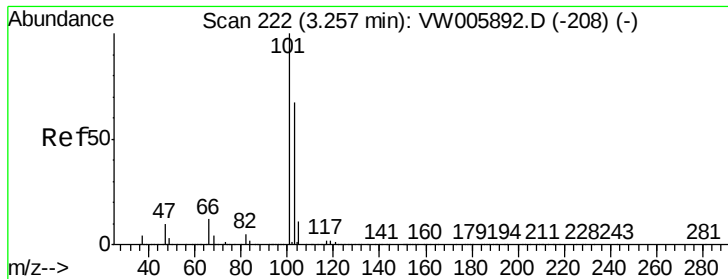
Tgt Ion: 64 Resp: 4708

Ion Ratio Lower Upper

64 100

66 37.6 25.0 37.4#





#7

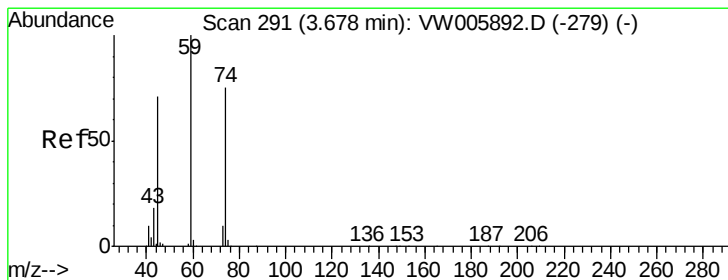
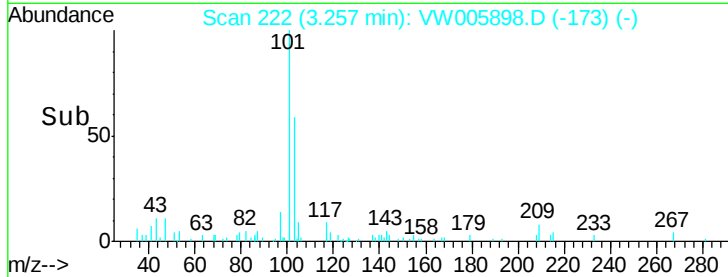
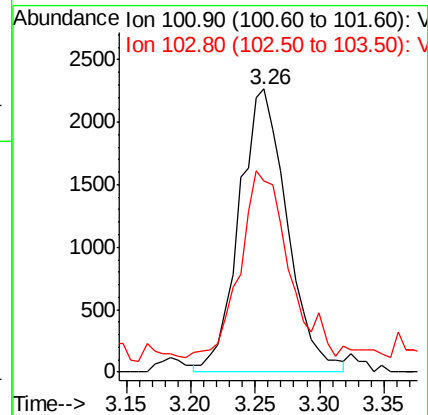
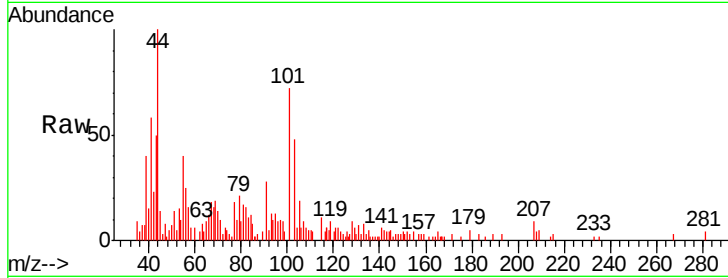
Trichlorofluoromethane
 Concen: 2.56 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.4	53.5	80.3

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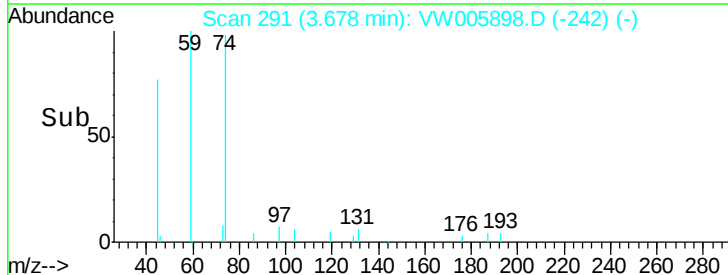
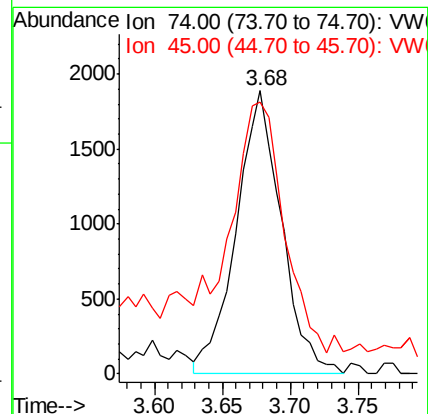
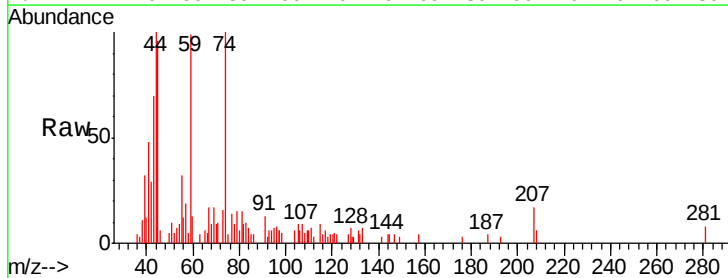
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 10/9/2018 4:24:05 PM

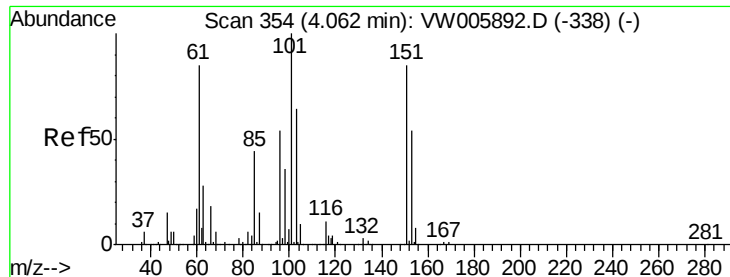


#8

Diethyl Ether
 Concen: 3.11 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.1	46.8	140.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.61 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

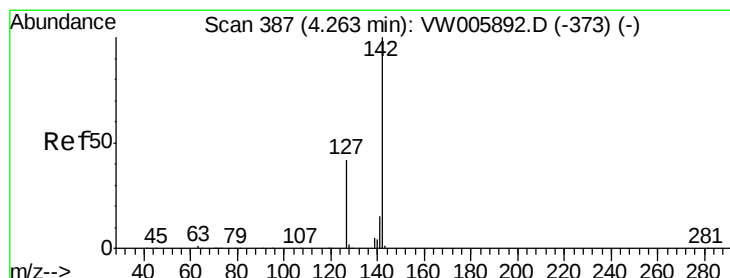
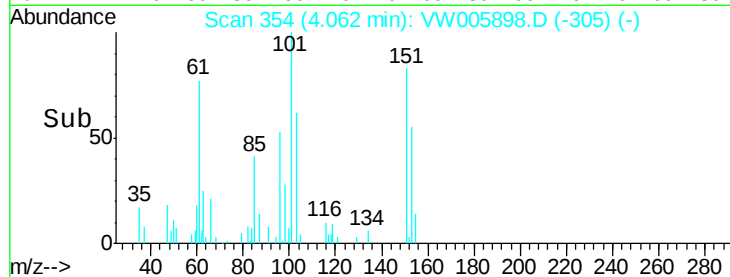
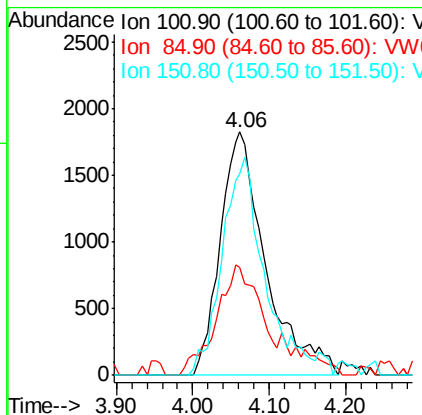
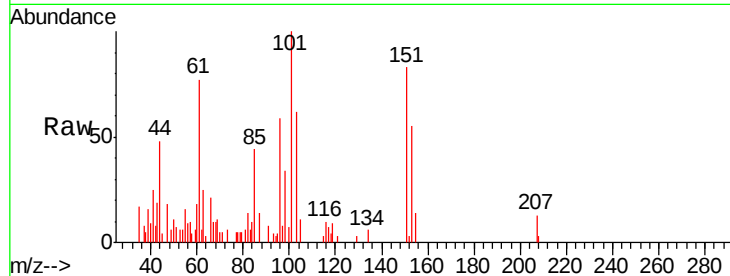
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	101	Resp:	7521
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.1	52.7
151	82.6	67.7	101.5

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#10

Methyl Iodide

Concen: 2.57 ug/l

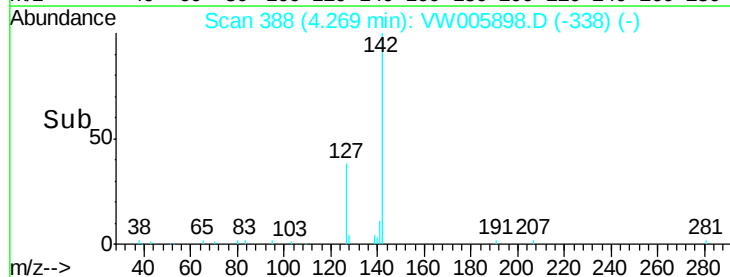
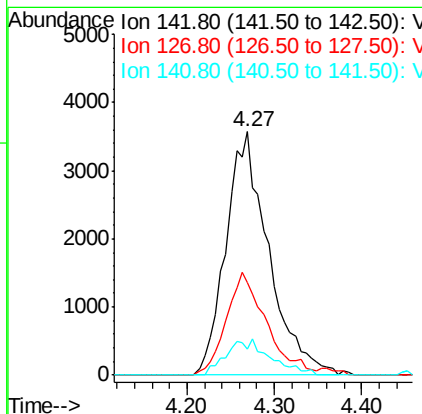
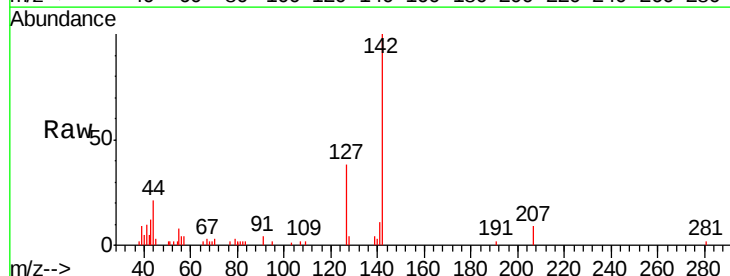
RT: 4.27 min Scan# 388

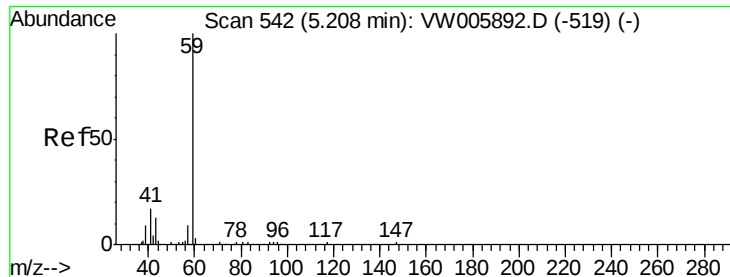
Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	142	Resp:	12112
Ion Ratio	Lower	Upper	
142	100		
127	39.6	33.7	50.5
141	15.3	11.5	17.3





#11

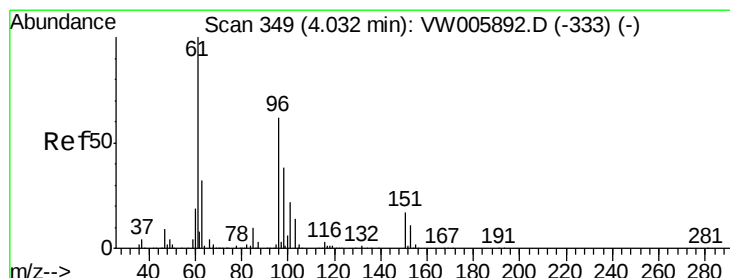
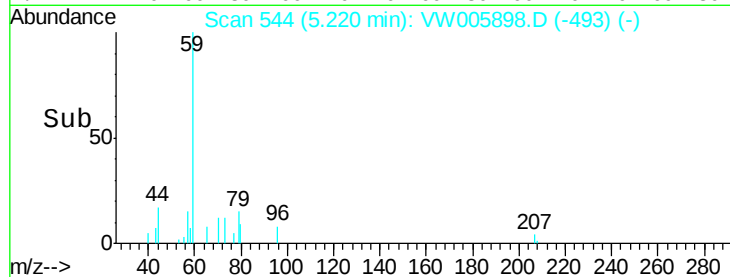
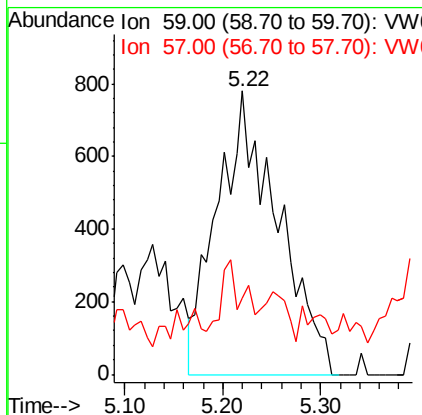
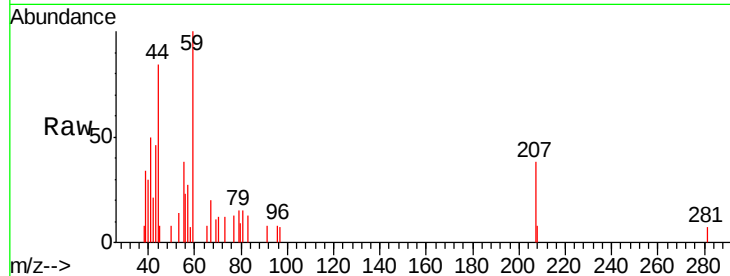
Tert butyl alcohol
Concen: 14.88 ug/l
RT: 5.22 min Scan# 544
Delta R.T. 0.01 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 59 Resp: 3333
Ion Ratio Lower Upper
59 100
57 6.3 7.7 11.5#

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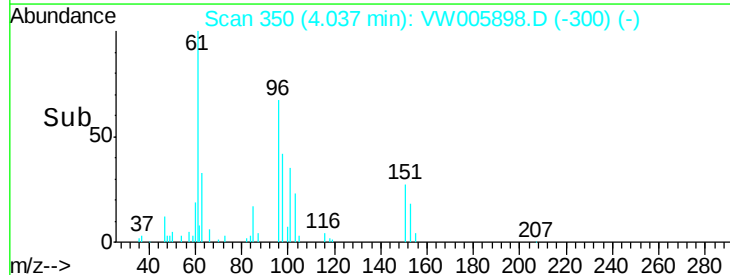
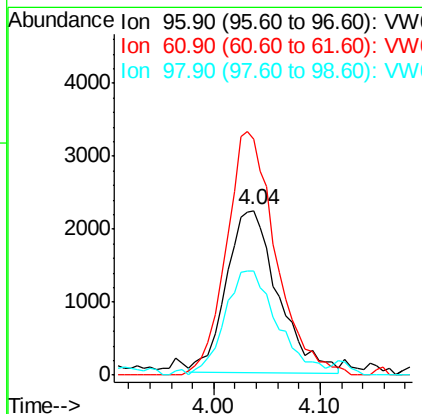
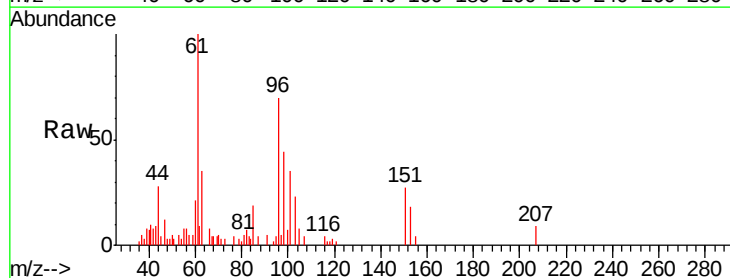
apatel
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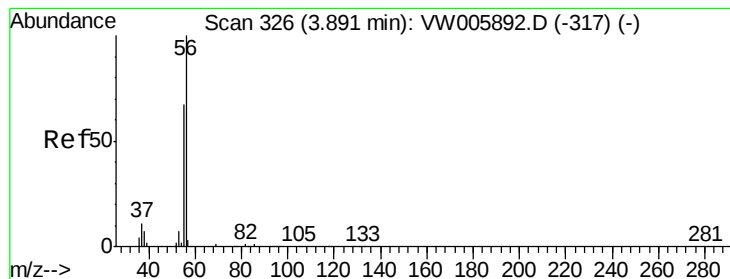


#12

1,1-Dichloroethene
Concen: 2.75 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion: 96 Resp: 7618
Ion Ratio Lower Upper
96 100
61 146.5 128.6 193.0
98 65.4 49.4 74.0





#13

Acrolein

Concen: 14.50 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 56 Resp: 2895

Ion Ratio Lower Upper

56 100

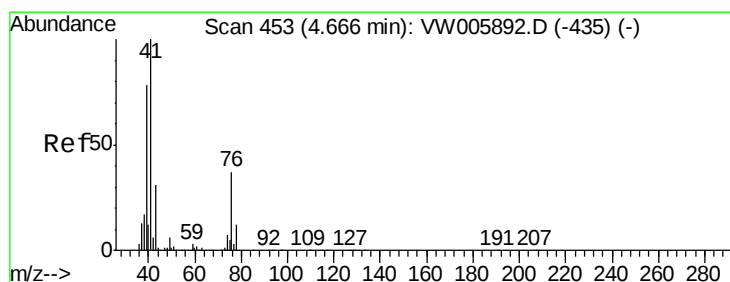
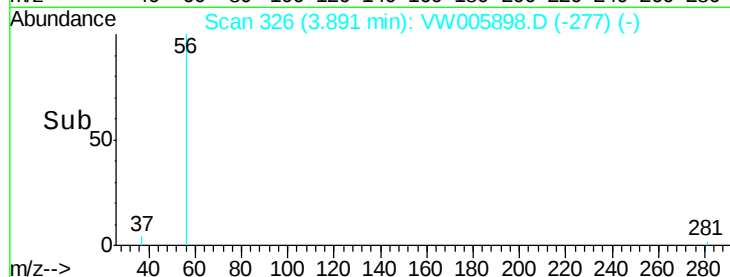
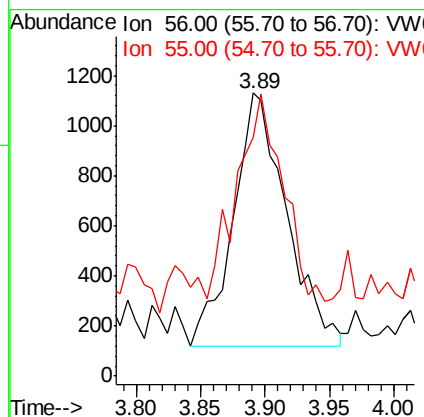
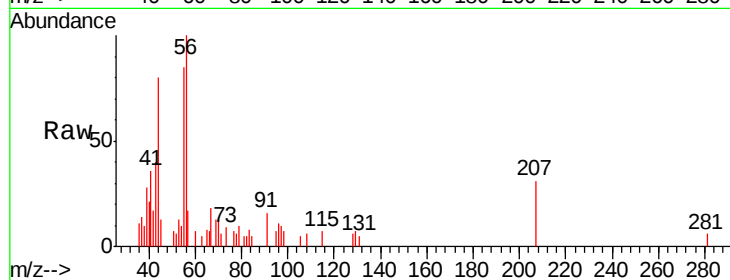
55 70.7 54.6 82.0

Manual Integrations

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#14

Allyl chloride

Concen: 2.41 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

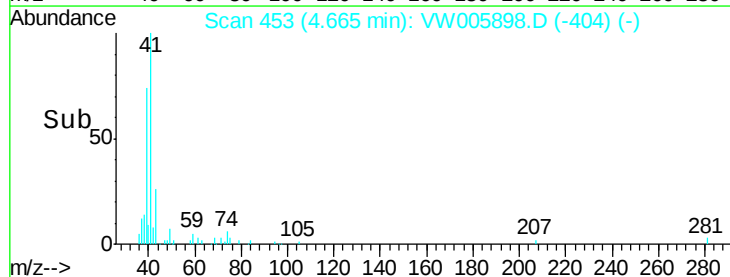
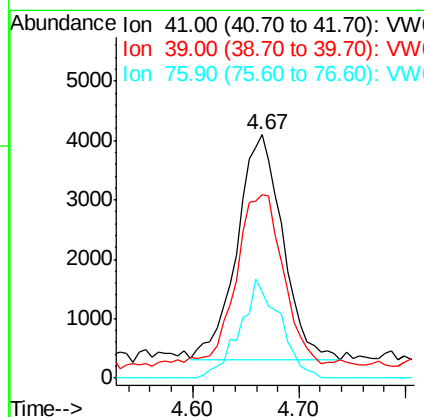
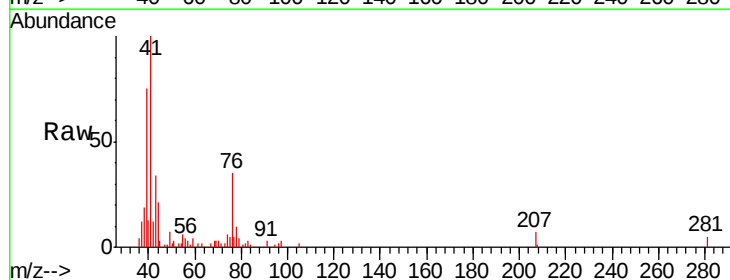
Tgt Ion: 41 Resp: 11384

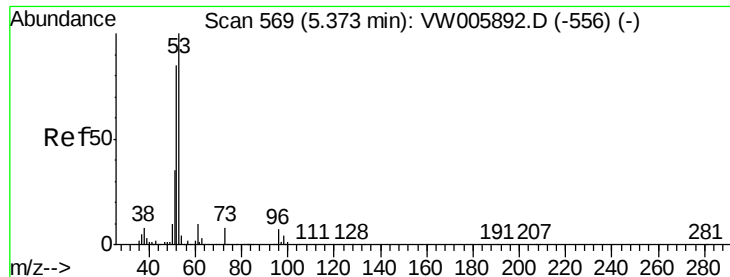
Ion Ratio Lower Upper

41 100

39 81.1 60.8 91.2

76 38.7 29.6 44.4





#15

Acrylonitrile

Concen: 13.58 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

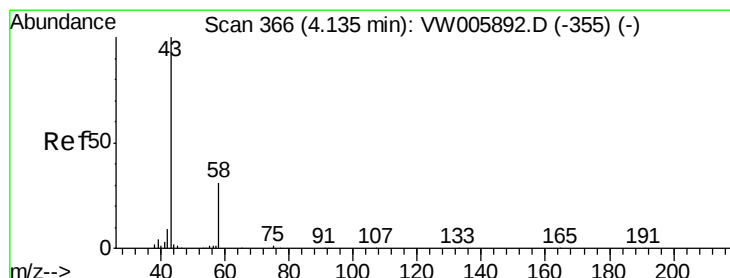
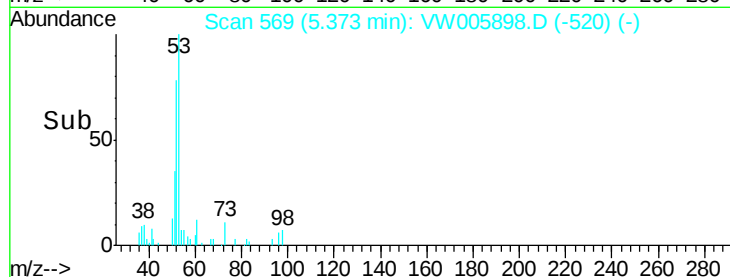
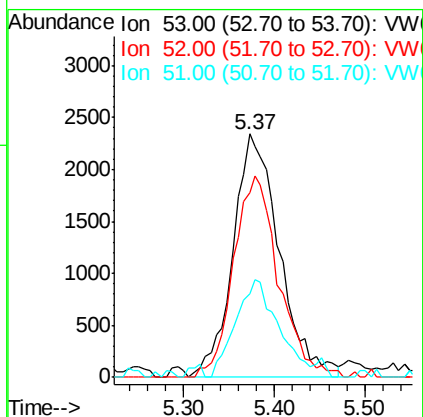
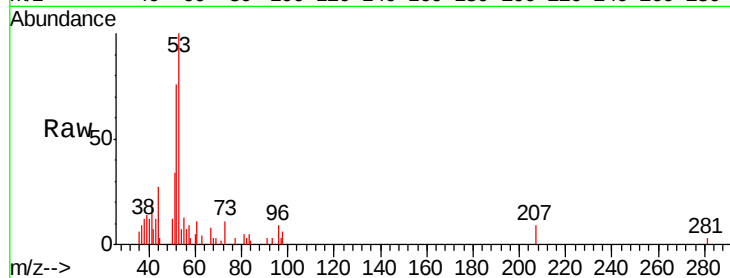
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	53	Resp:	8315
Ion	Ratio	Lower	Upper
53	100		
52	80.6	66.8	100.2
51	37.0	29.8	44.6

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#16

Acetone

Concen: 17.75 ug/l

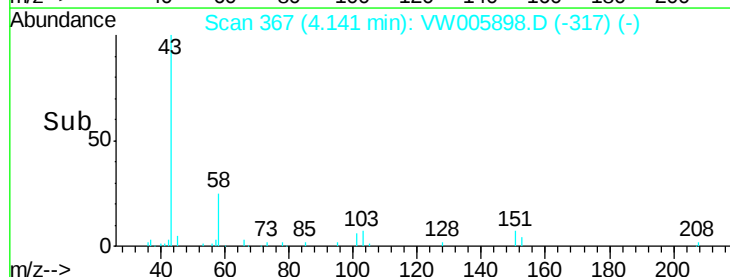
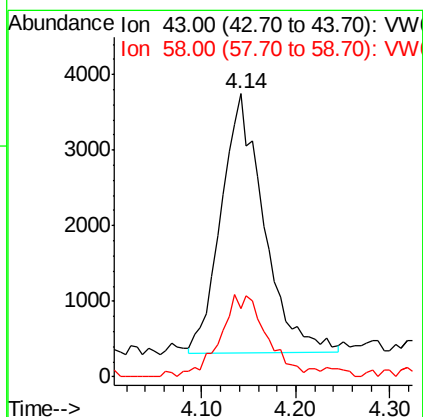
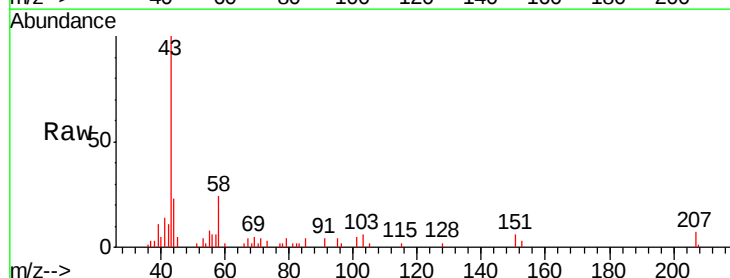
RT: 4.14 min Scan# 367

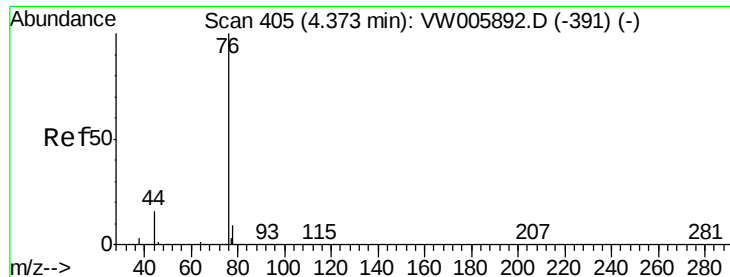
Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	43	Resp:	10833
Ion	Ratio	Lower	Upper
43	100		
58	24.7	24.7	37.1#





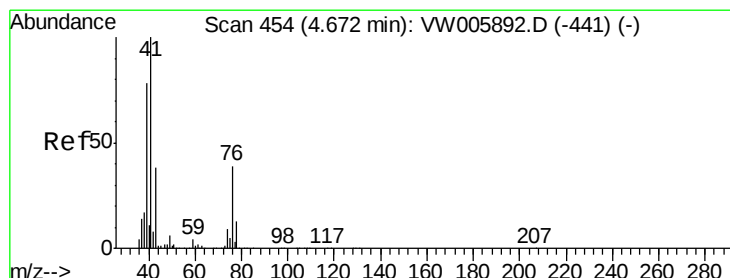
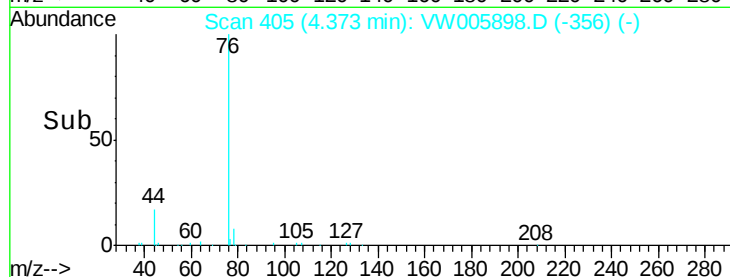
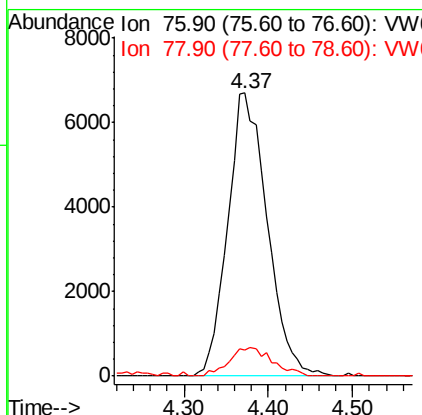
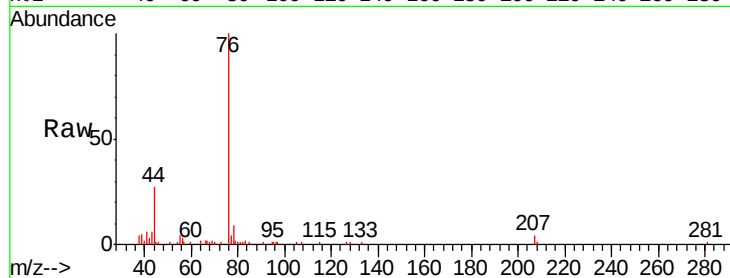
#17
Carbon Disulfide
Concen: 2.55 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

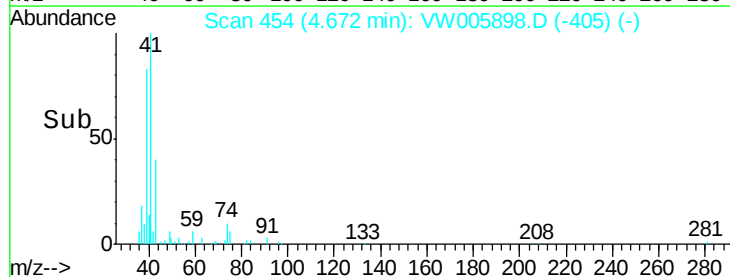
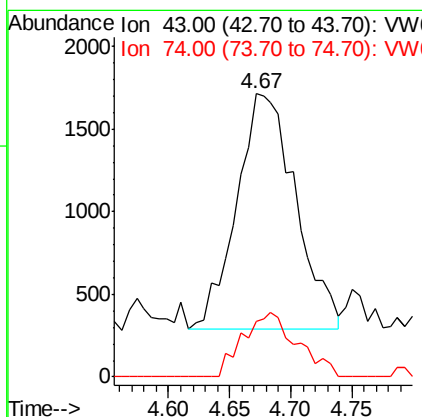
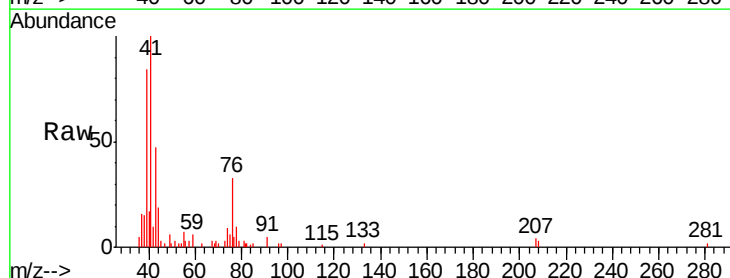
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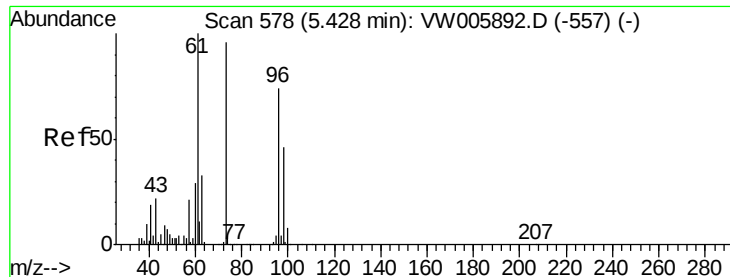
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#18
Methyl Acetate
Concen: 3.10 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.2	28.8





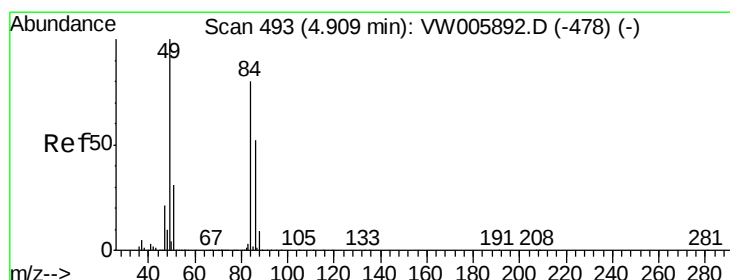
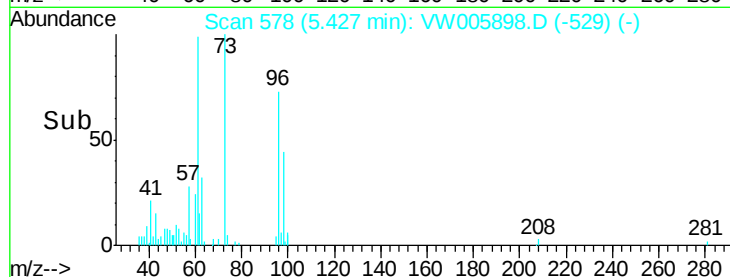
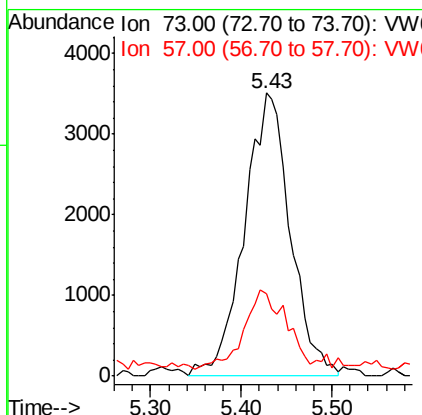
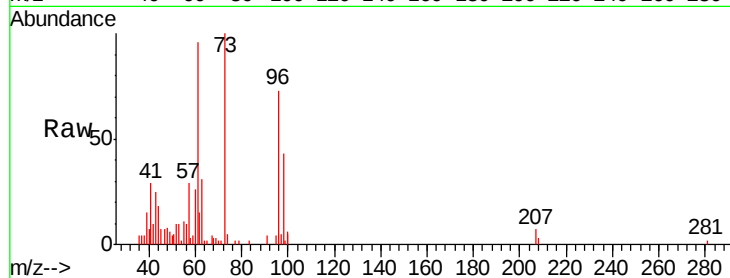
#19
Methyl tert-butyl Ether
Concen: 2.86 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
73	100		
57	25.5	17.7	26.5

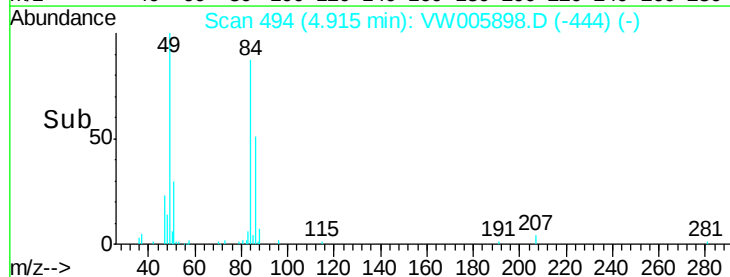
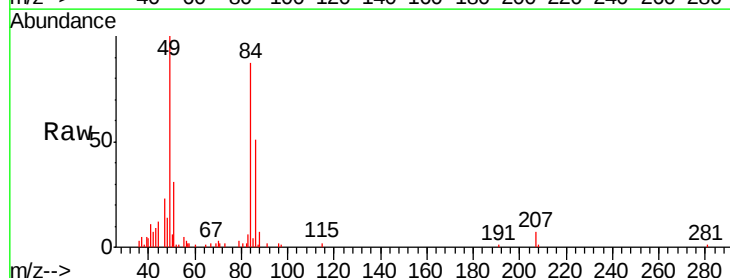
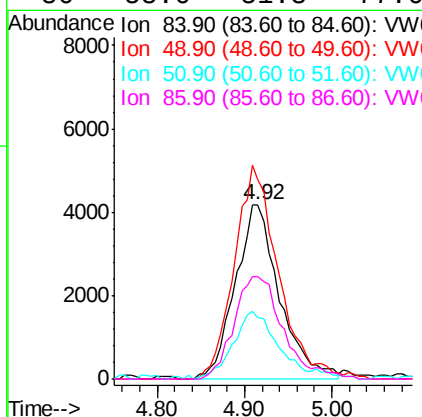
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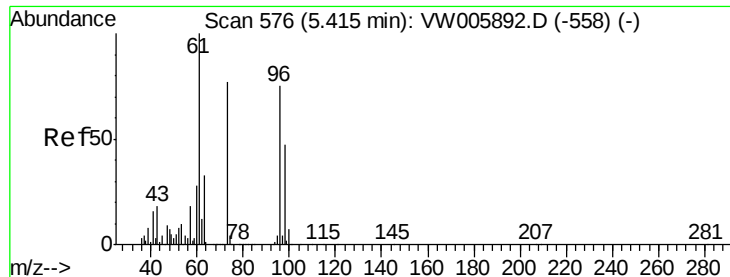
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#20
Methylene Chloride
Concen: 4.79 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.3	99.9	149.9
51	33.4	31.1	46.7
86	58.6	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 2.87 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

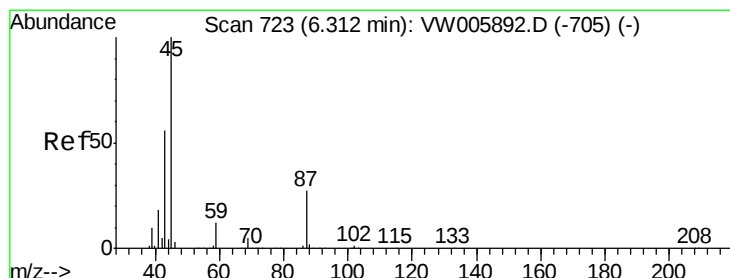
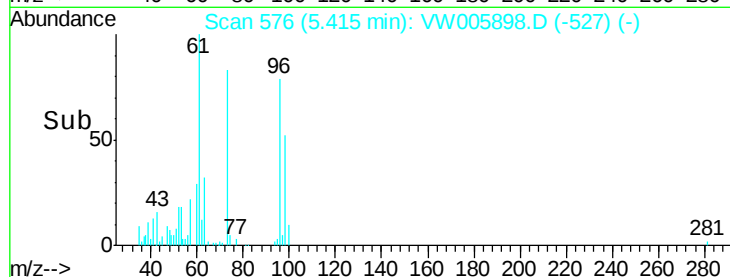
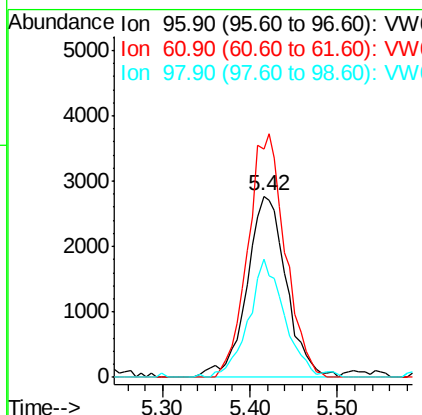
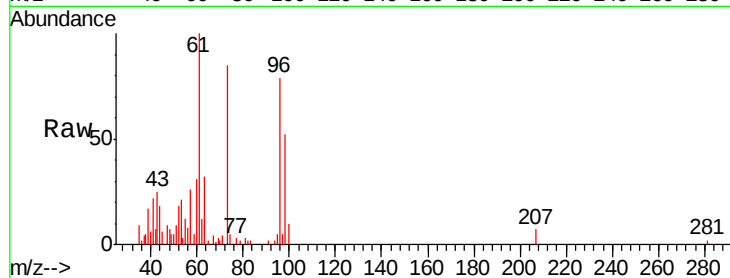
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	96	Resp:	8675
Ion	Ratio	Lower	Upper
96	100		
61	126.0	107.4	161.0
98	65.5	50.8	76.2

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#22

Diisopropyl ether

Concen: 2.49 ug/l

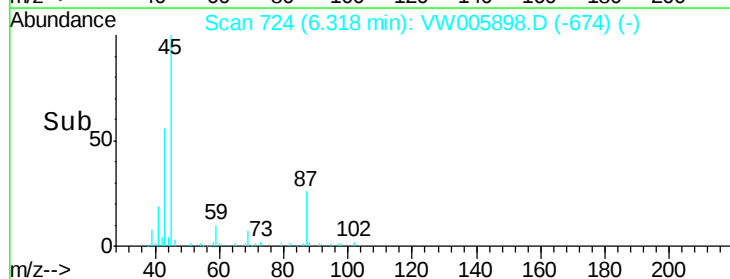
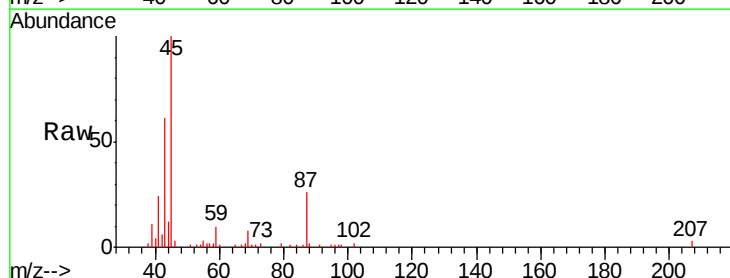
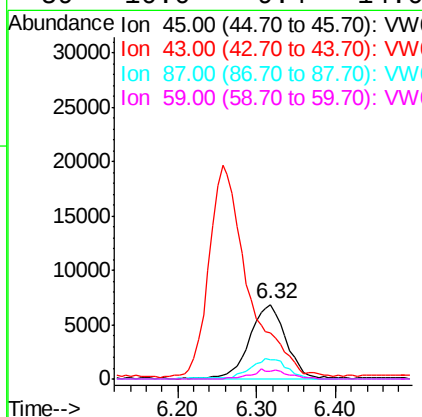
RT: 6.32 min Scan# 724

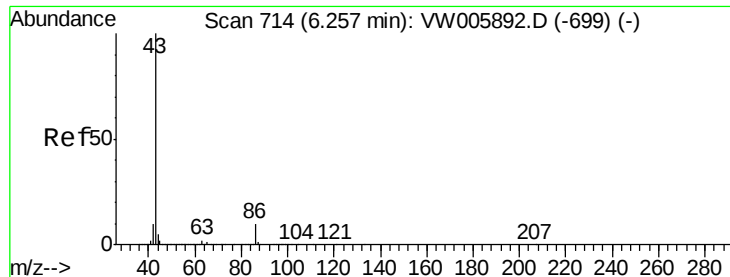
Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	45	Resp:	22002
Ion	Ratio	Lower	Upper
45	100		
43	56.0	45.9	68.9
87	26.1	22.2	33.4
59	10.0	9.4	14.0





#23

Vinyl Acetate

Concen: 12.30 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

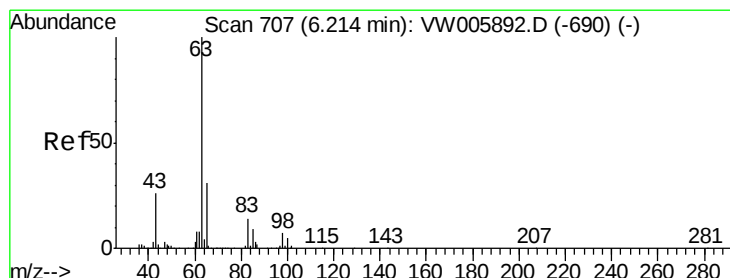
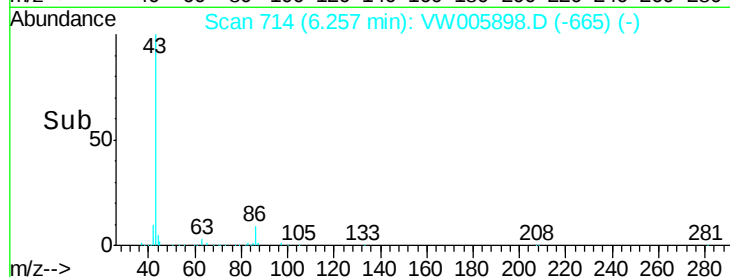
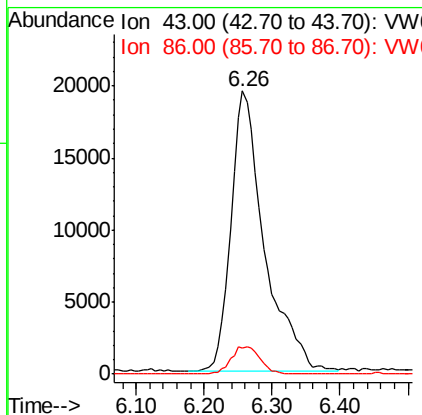
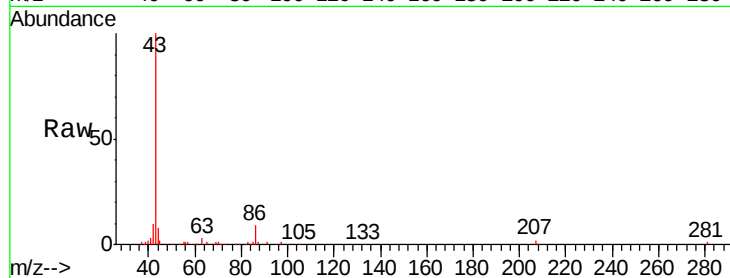
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	43	Resp:	66886
Ion Ratio	Lower	Upper	
43	100		
86	9.2	8.2	12.4

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#24

1,1-Dichloroethane

Concen: 2.52 ug/l

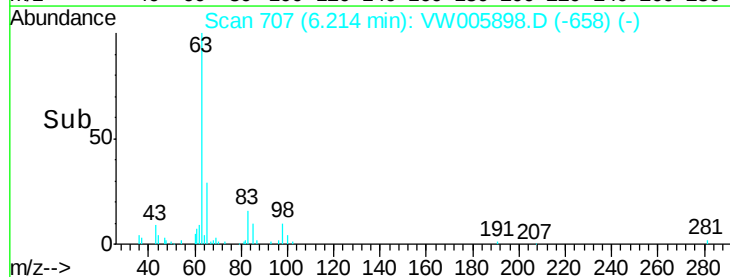
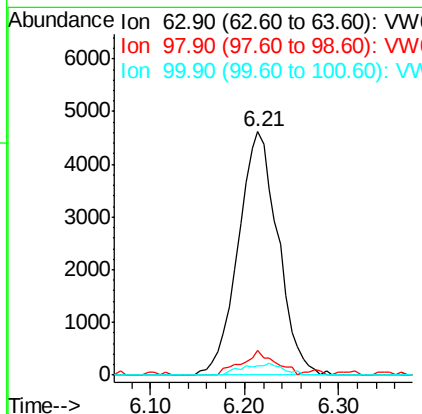
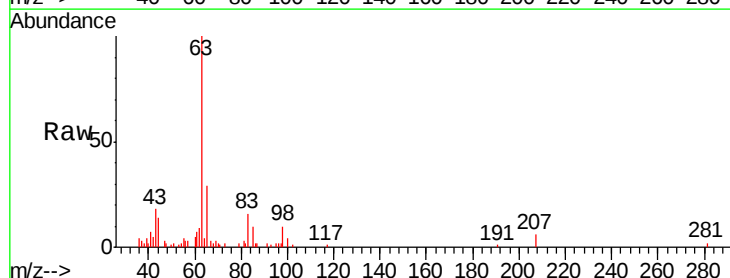
RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	63	Resp:	13614
Ion Ratio	Lower	Upper	
63	100		
98	9.9	3.5	10.6
100	4.0	2.4	7.1





#25

2-Butanone

Concen: 13.97 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 43 Resp: 12126

Ion Ratio Lower Upper

43 100

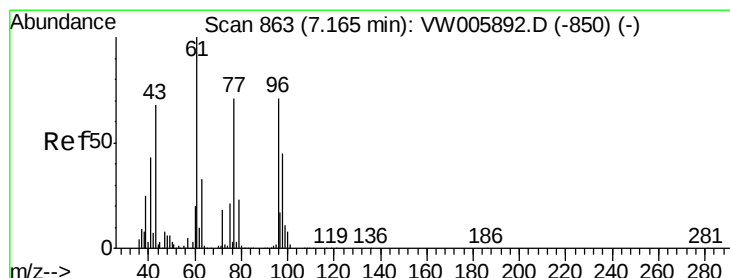
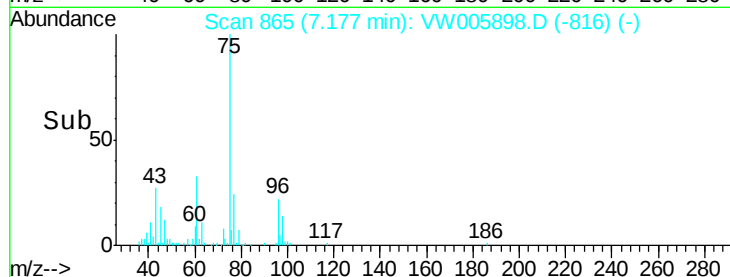
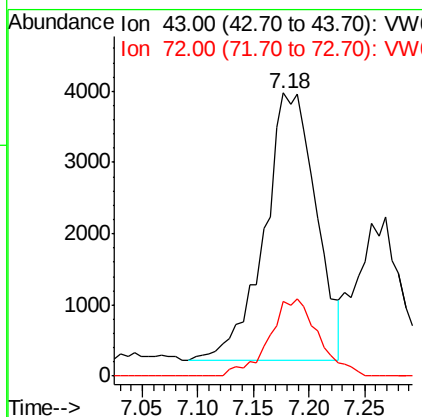
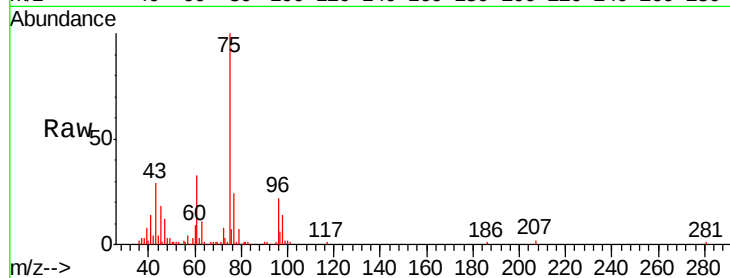
72 27.8 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 3.34 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW005898.D

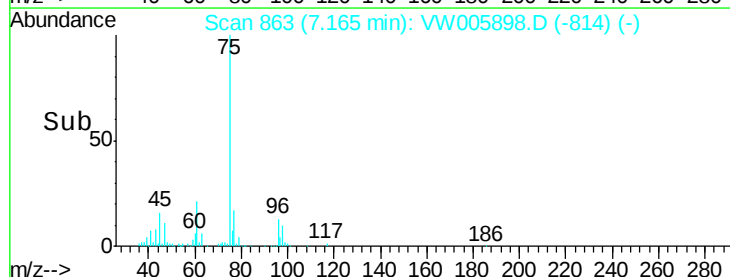
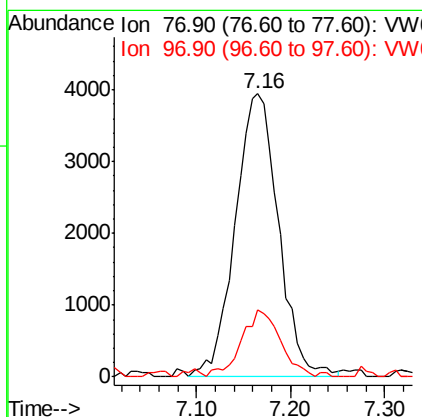
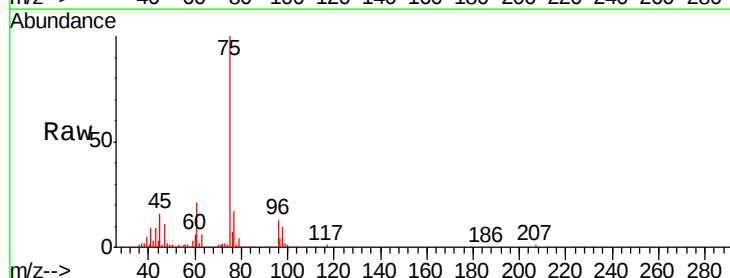
Acq: 08 Oct 2018 16:25

Tgt Ion: 77 Resp: 12690

Ion Ratio Lower Upper

77 100

97 21.2 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 2.63 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

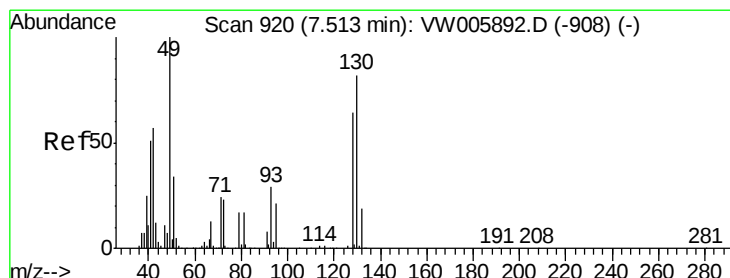
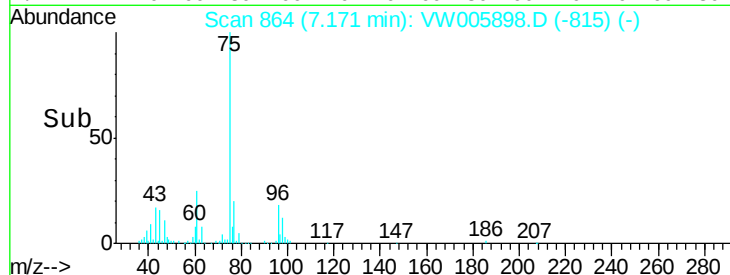
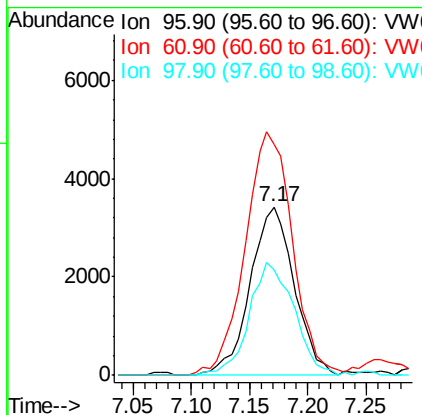
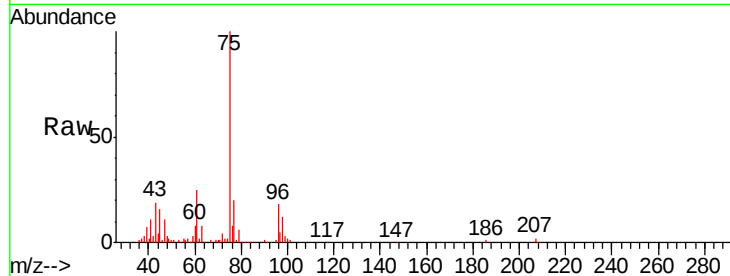
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	96	Resp:	8997
Ion Ratio	Lower	Upper	
96	100		
61	155.2	0.0	284.0
98	68.2	0.0	129.8

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#28

Bromochloromethane

Concen: 2.80 ug/l

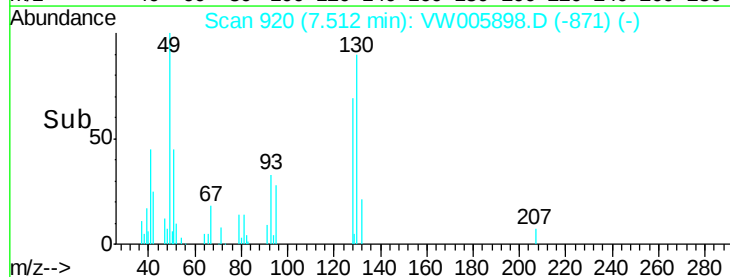
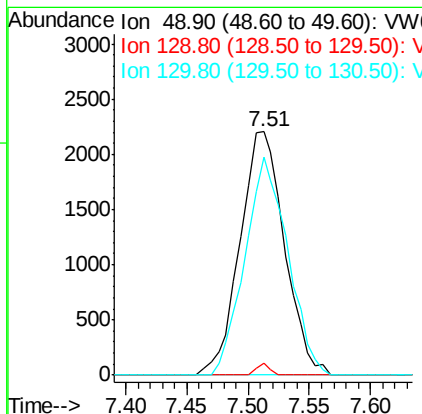
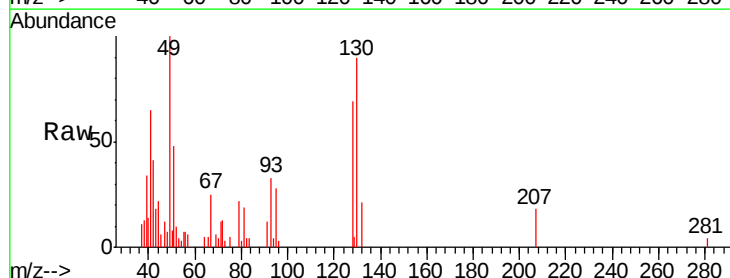
RT: 7.51 min Scan# 920

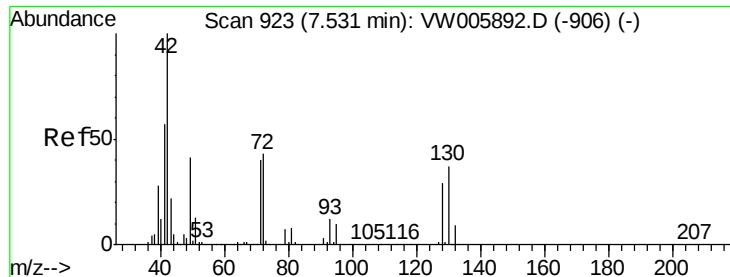
Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	49	Resp:	5585
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	5.0
130	86.3	66.9	100.3





#29

Tetrahydrofuran

Concen: 14.29 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

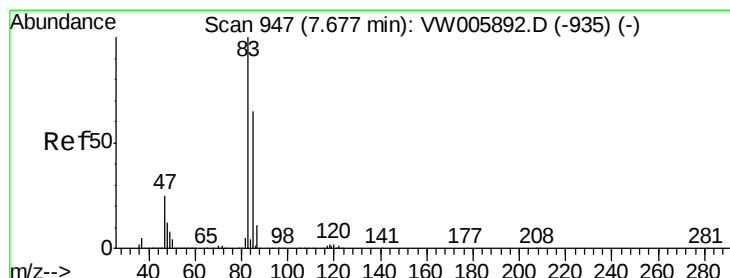
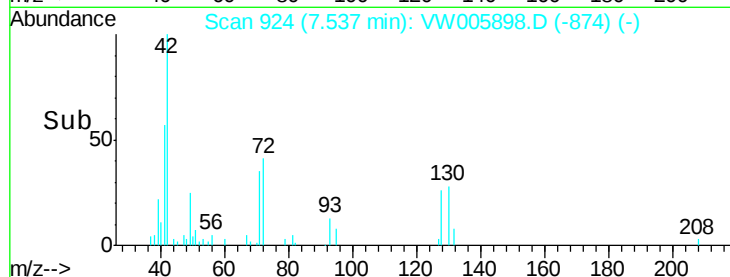
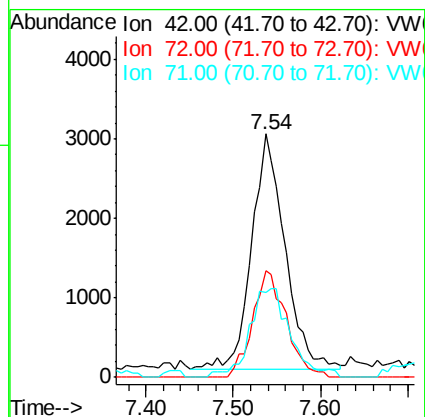
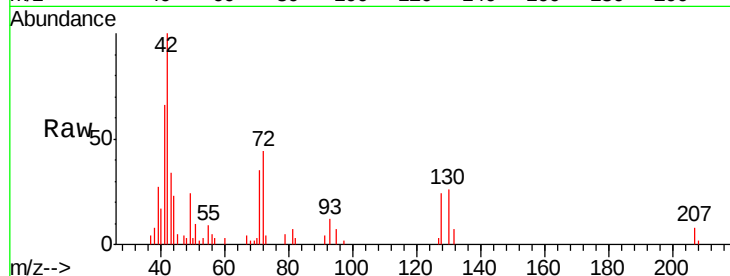
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	42	Resp:	7846
Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.6	51.8
71	45.7	32.6	49.0

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#30

Chloroform

Concen: 2.63 ug/l

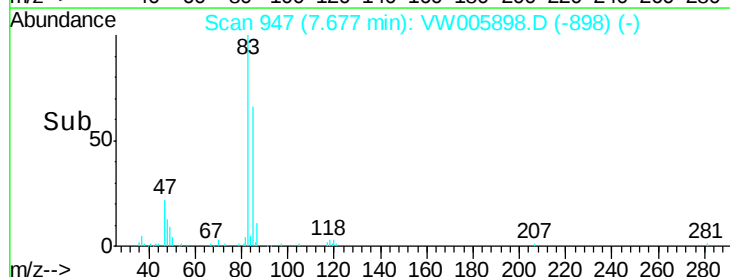
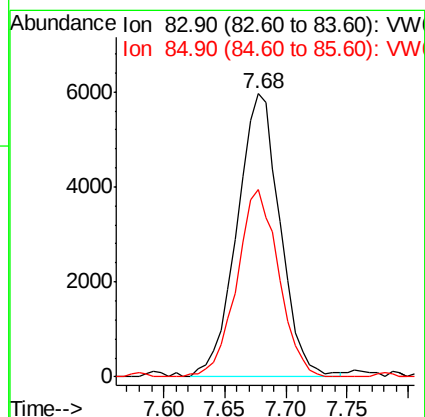
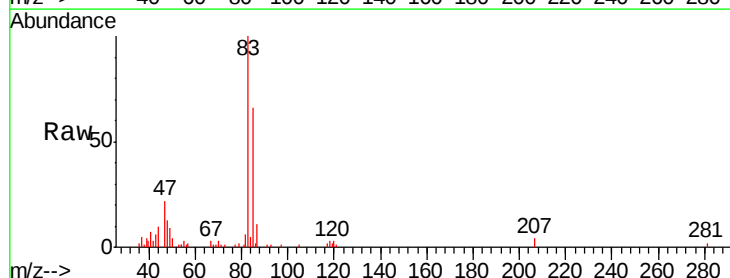
RT: 7.68 min Scan# 947

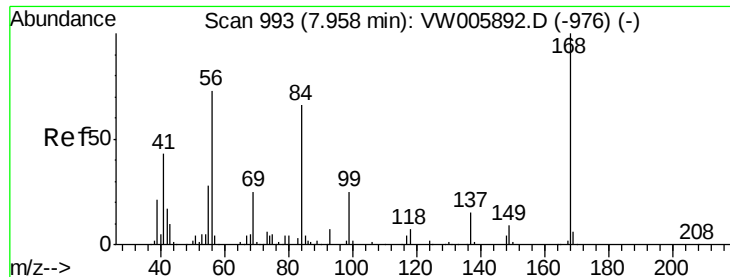
Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	83	Resp:	14588
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.6	77.4





#31

Cyclohexane

Concen: 3.55 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

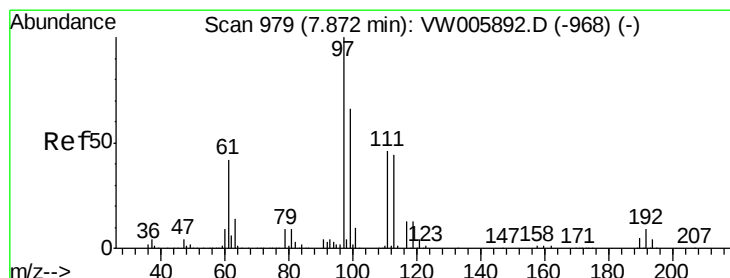
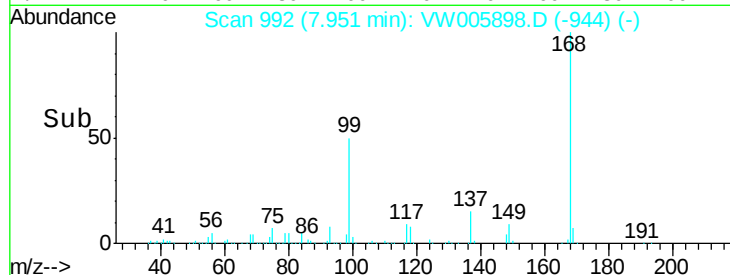
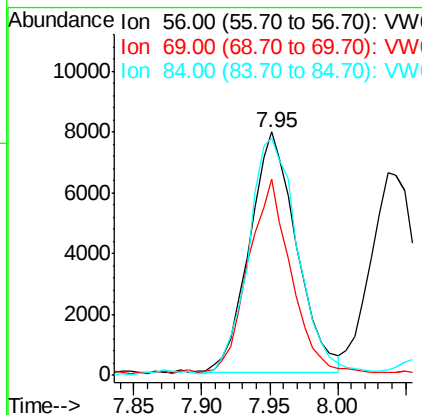
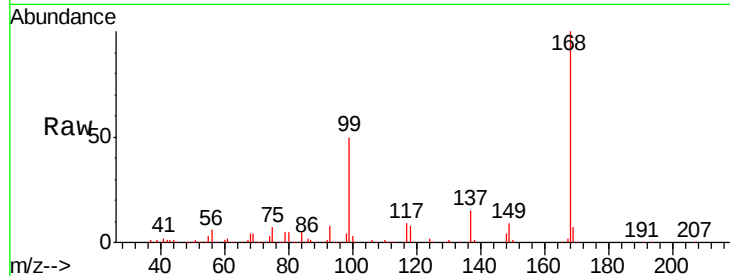
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	56	Resp:	19007
Ion Ratio		Lower	Upper
56	100		
69	79.4	27.9	41.9#
84	97.4	72.3	108.5

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#32

1,1,1-Trichloroethane

Concen: 2.61 ug/l

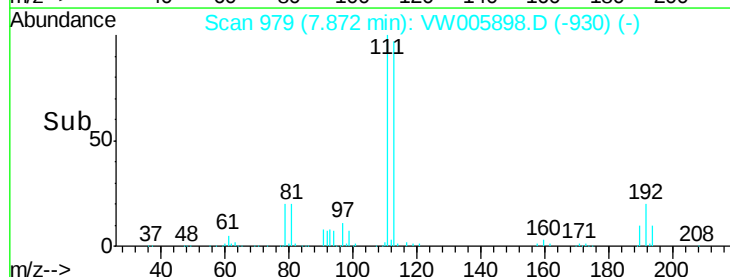
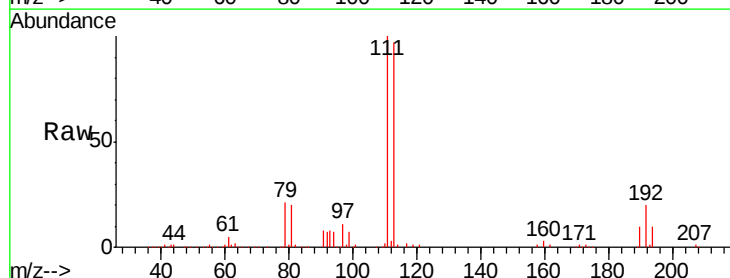
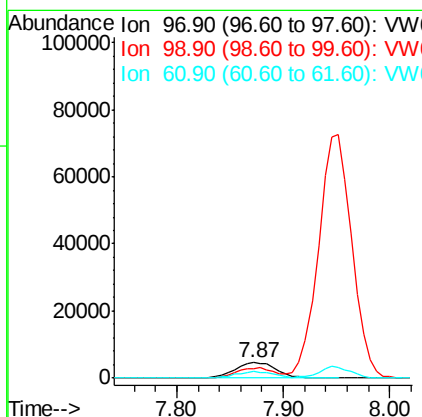
RT: 7.87 min Scan# 979

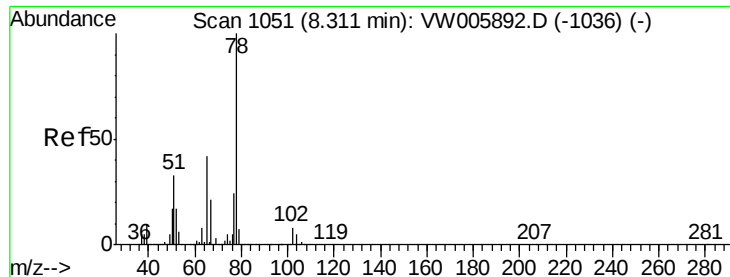
Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	97	Resp:	12908
Ion Ratio		Lower	Upper
97	100		
99	59.3	51.6	77.4
61	39.0	34.5	51.7





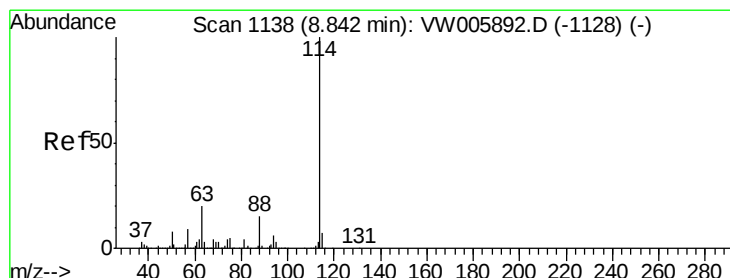
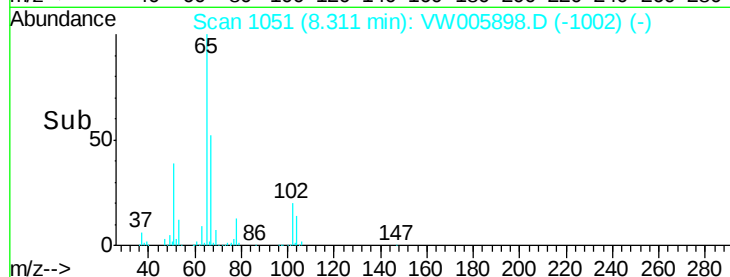
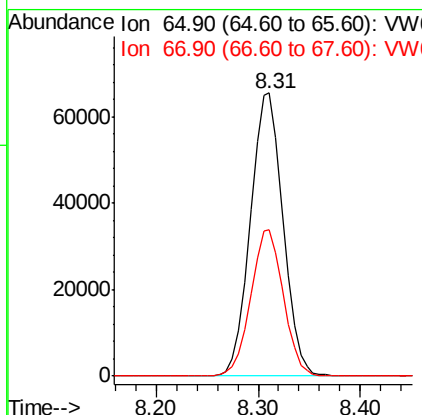
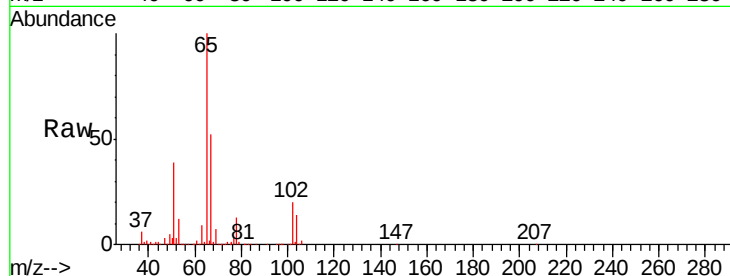
#33
 1,2-Dichloroethane-d4
 Concen: 47.82 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	146141		
67	51.6	0.0	104.6	

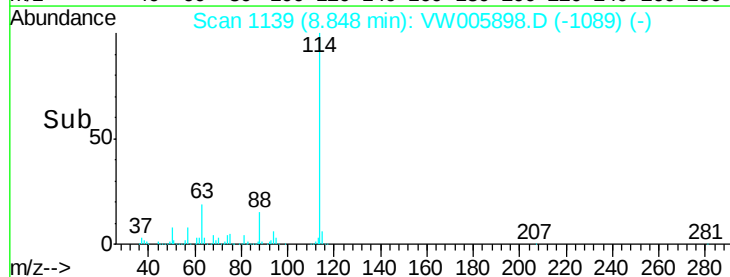
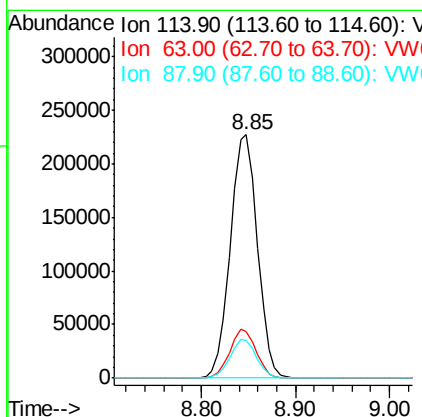
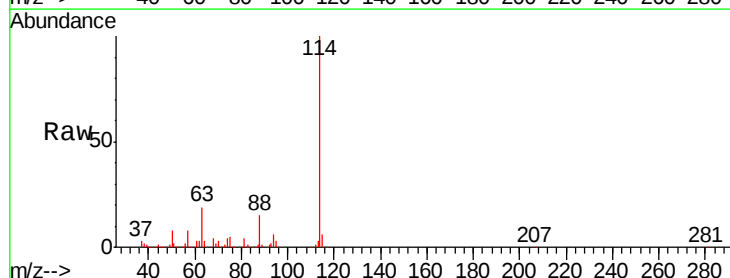
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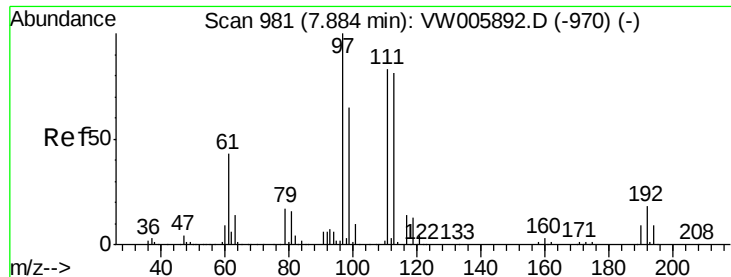
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	453386		
63	19.0	0.0	39.2	
88	15.2	0.0	30.8	





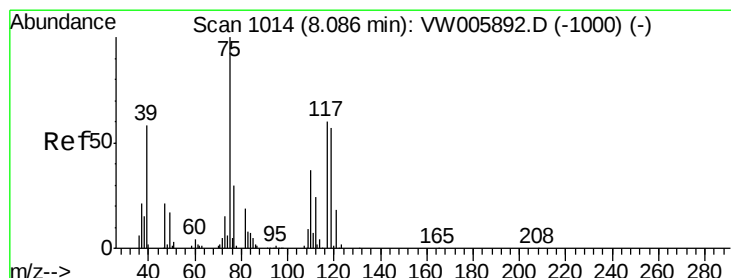
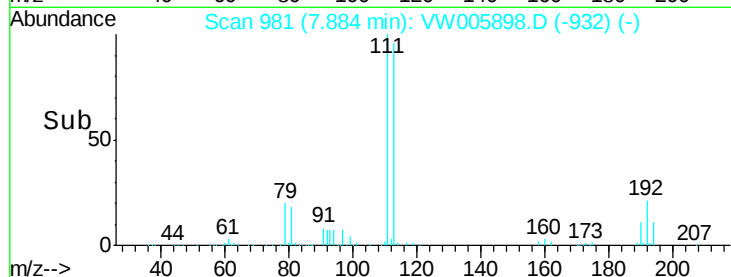
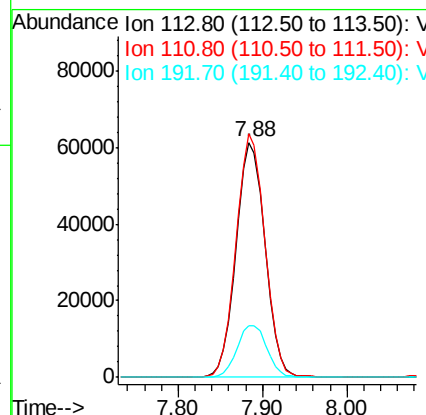
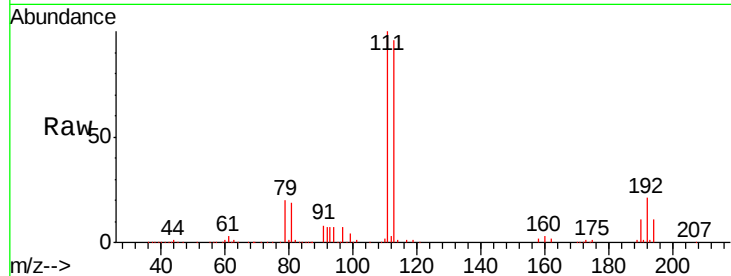
#35
 Dibromofluoromethane
 Concen: 49.38 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	142941		
111	102.7	82.0	123.0	
192	22.6	18.3	27.5	

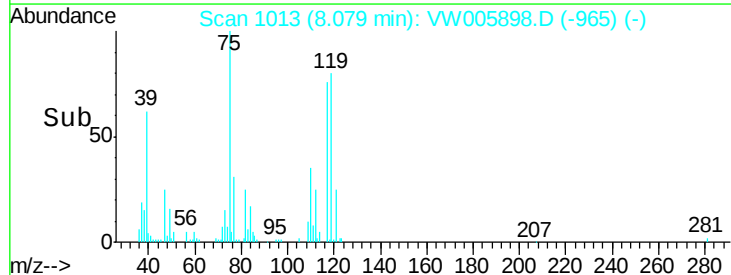
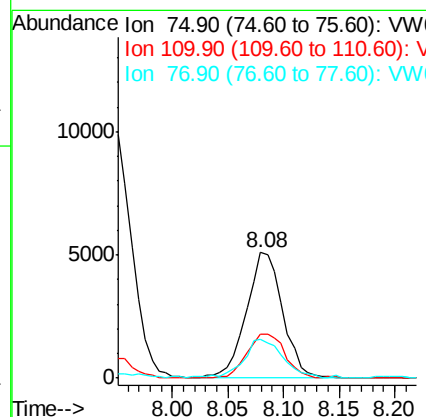
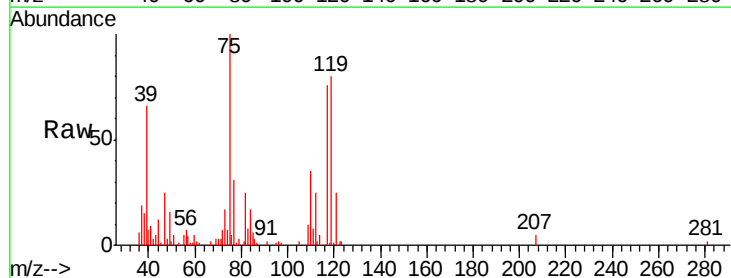
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#36
 1,1-Dichloropropene
 Concen: 2.67 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11582		
110	36.7	18.6	56.0	
77	33.9	24.7	37.1	





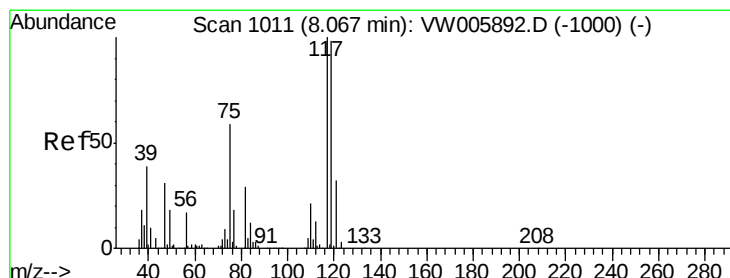
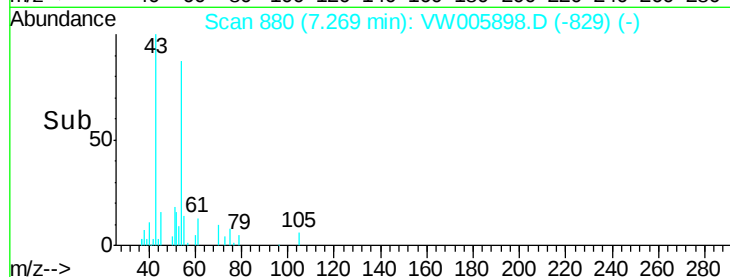
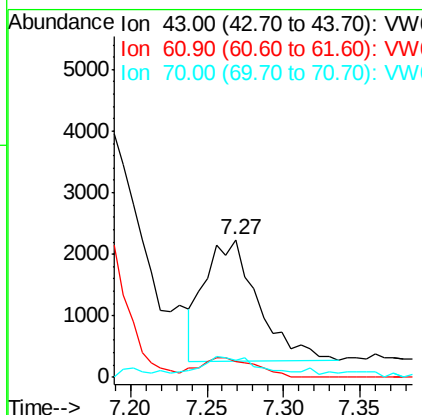
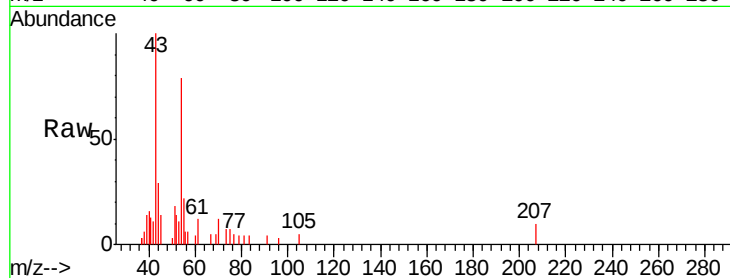
#37
Ethyl Acetate
Concen: 2.59 ug/l
RT: 7.27 min Scan# 880
Delta R.T. 0.01 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.9	10.6	16.0#
70	11.7	8.6	13.0

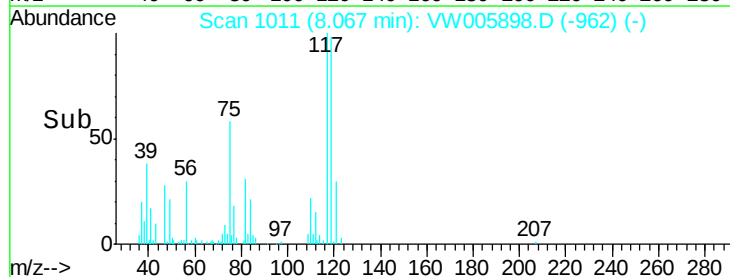
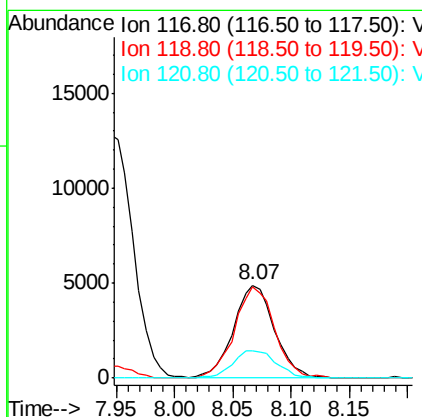
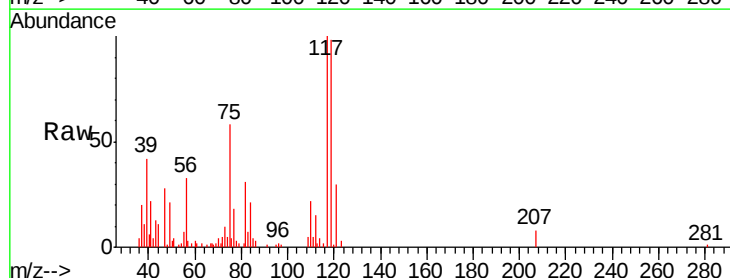
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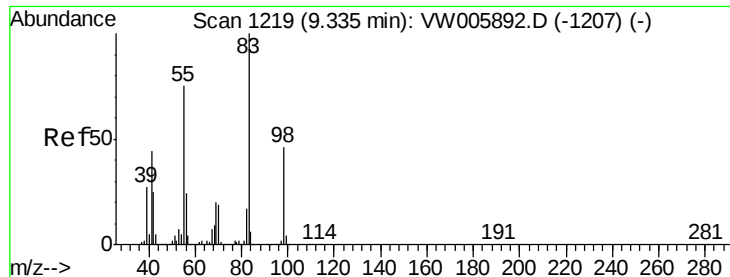
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#38
Carbon Tetrachloride
Concen: 2.57 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	78.6	117.8
121	29.7	25.3	37.9





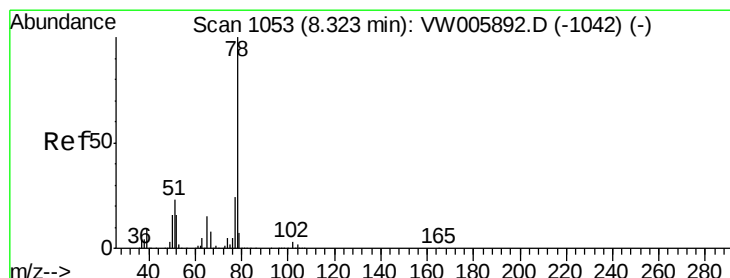
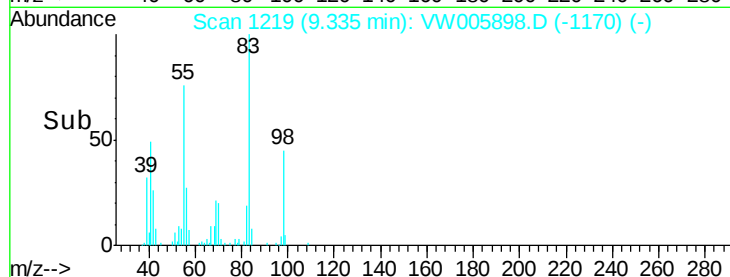
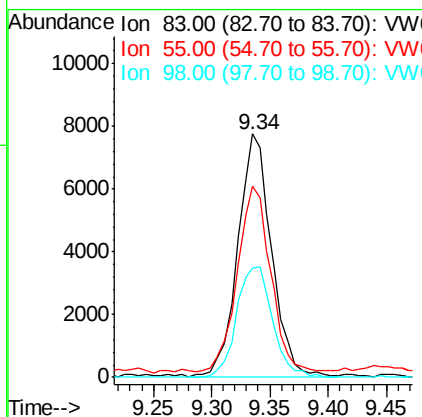
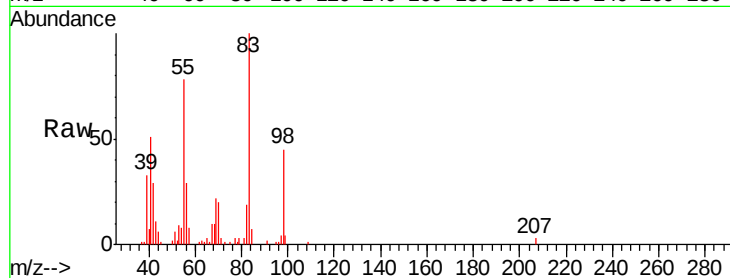
#39
Methylcyclohexane
Concen: 2.75 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.7	59.8	89.6
98	44.8	37.1	55.7

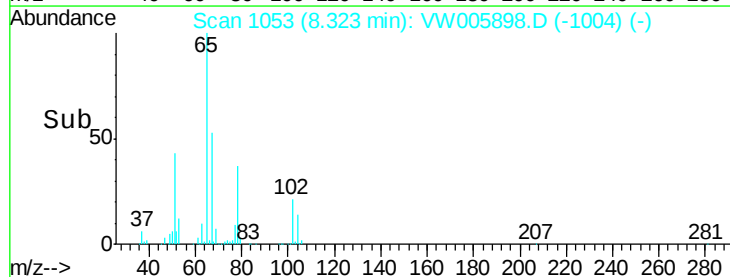
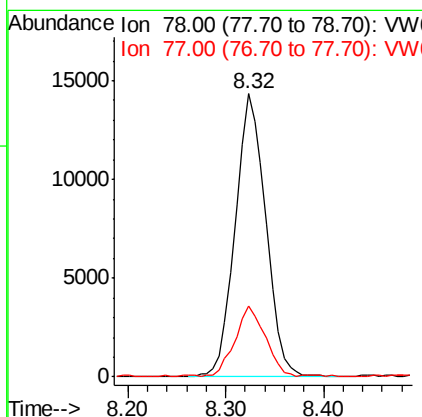
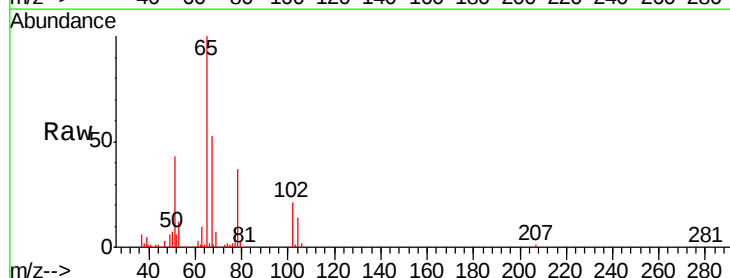
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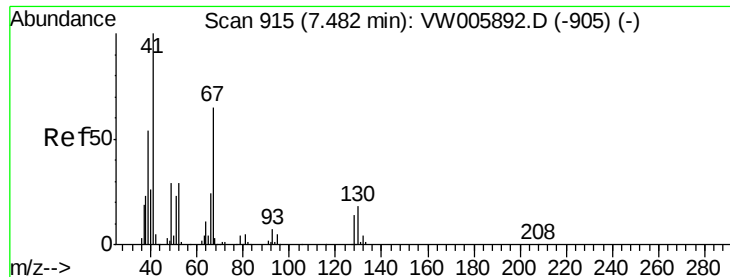
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#40
Benzene
Concen: 2.62 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.1	28.7





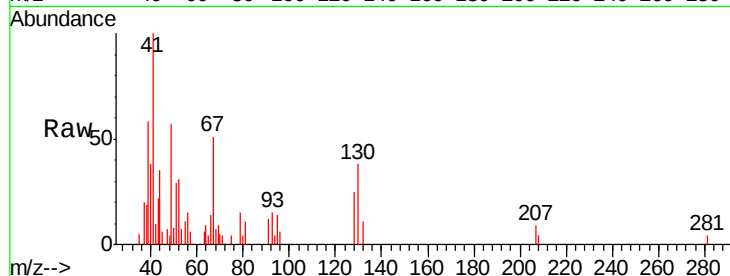
#41
Methacrylonitrile
Concen: 2.47 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

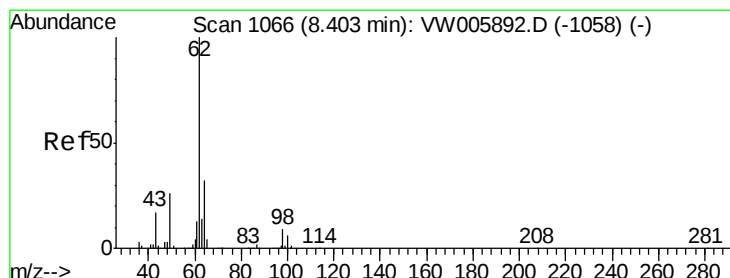
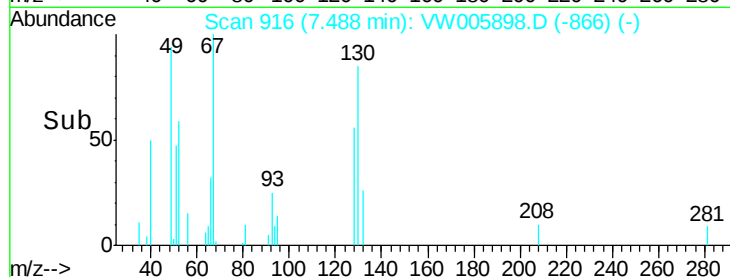
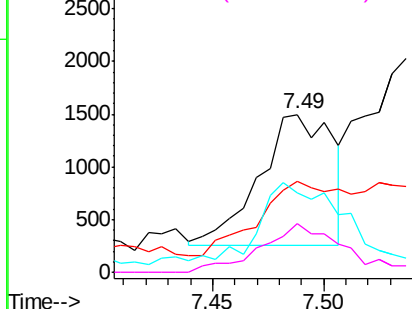
Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.0	45.0	67.4	
67	68.8	55.8	83.8	
52	41.9	25.3	37.9	

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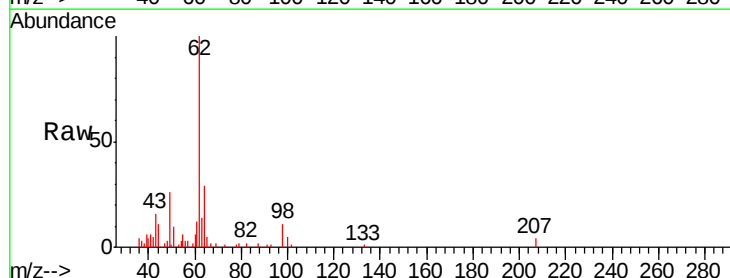


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

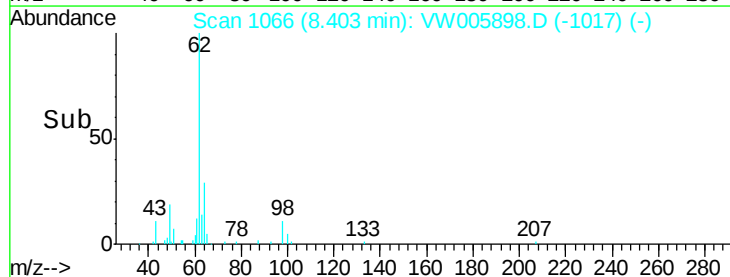
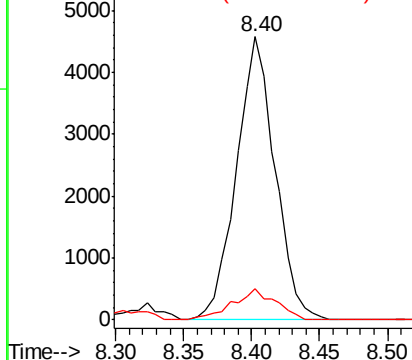


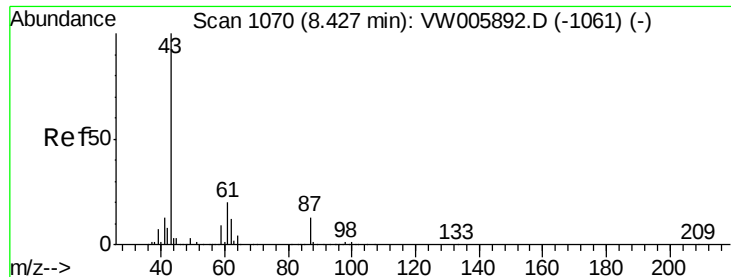
#42
1,2-Dichloroethane
Concen: 2.53 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	12.1	0.0	18.0	



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





#43

Isopropyl Acetate

Concen: 2.60 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

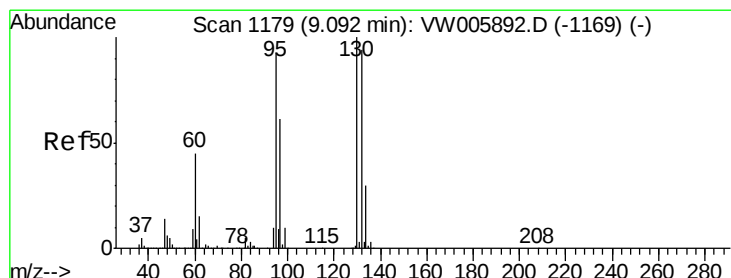
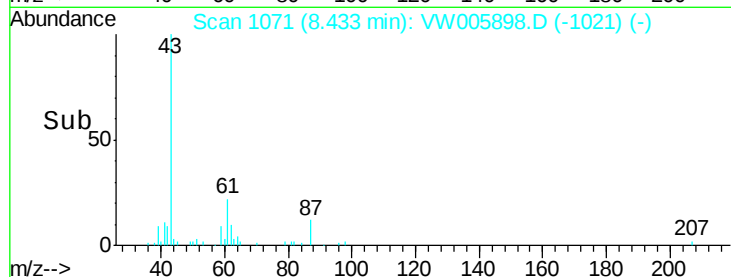
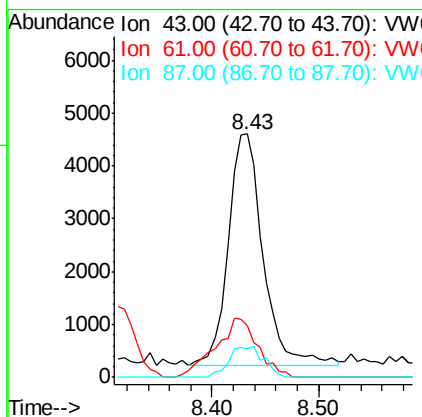
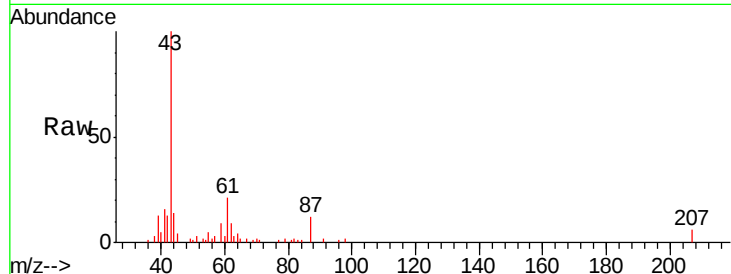
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	43	Resp:	10011
Ion	Ratio	Lower	Upper
43	100		
61	30.8	23.1	34.7
87	13.3	10.7	16.1

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#44

Trichloroethene

Concen: 2.76 ug/l

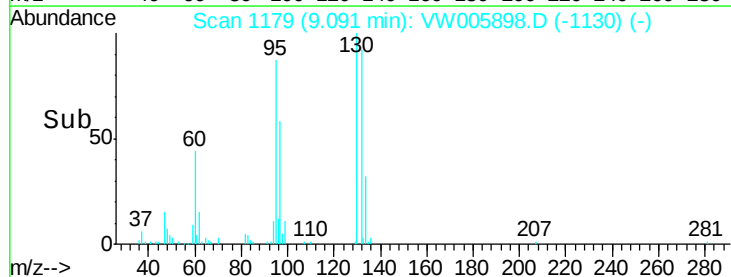
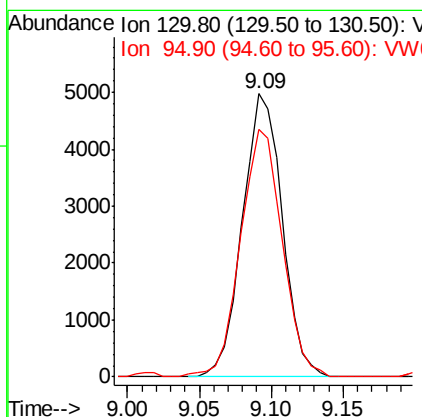
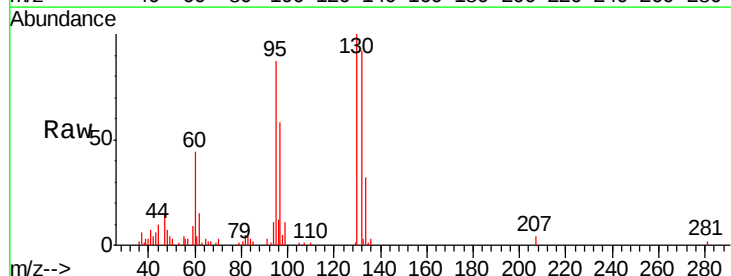
RT: 9.09 min Scan# 1179

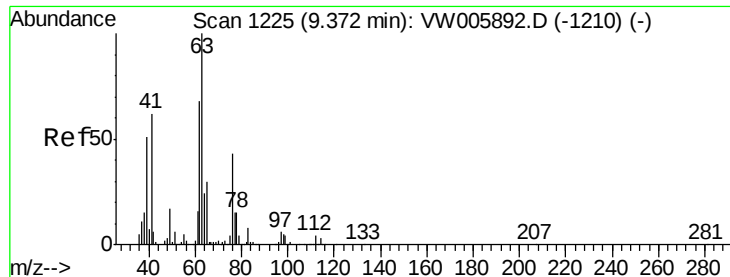
Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	130	Resp:	9523
Ion	Ratio	Lower	Upper
130	100		
95	87.3	0.0	185.6





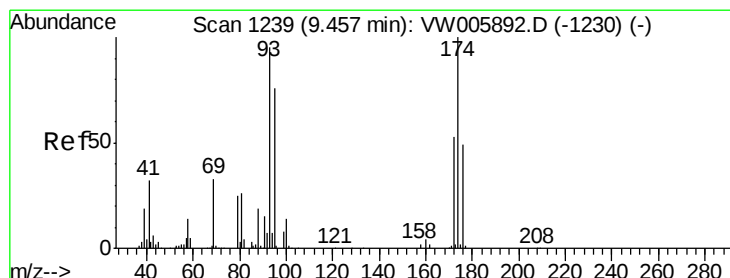
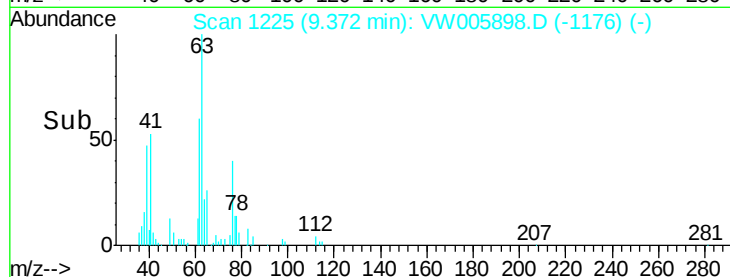
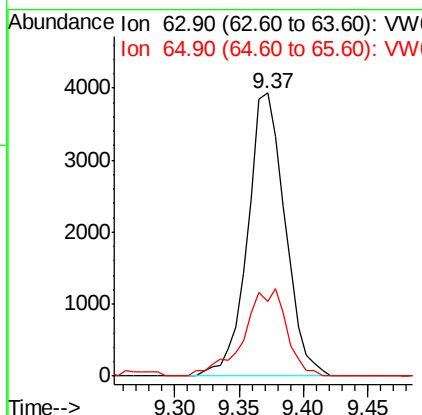
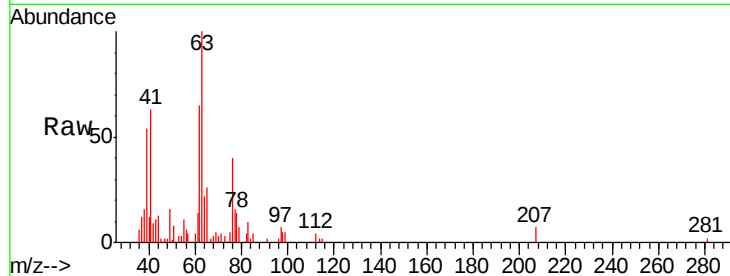
#45
 1,2-Dichloropropane
 Concen: 2.65 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
63	100		
65	26.3	24.3	36.5

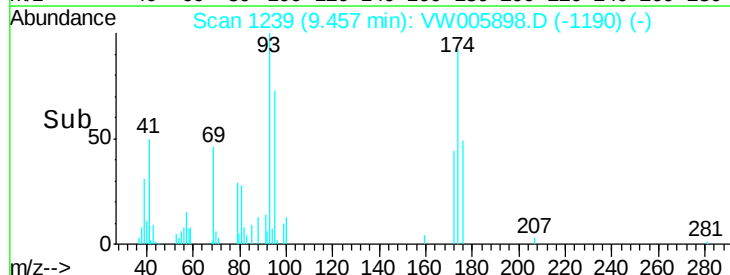
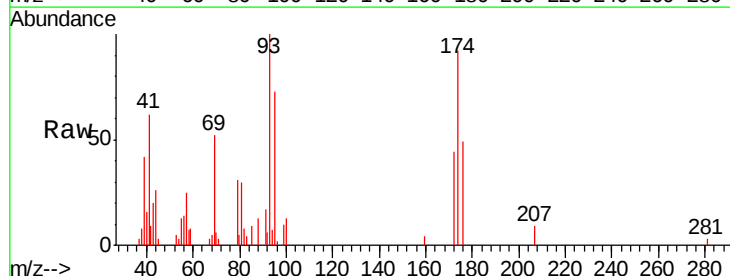
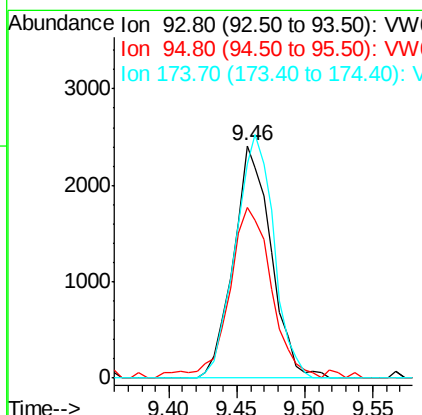
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#46
 Dibromomethane
 Concen: 2.85 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	66.6	99.8
174	106.9	90.4	135.6





#47

Bromodichloromethane

Concen: 2.57 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

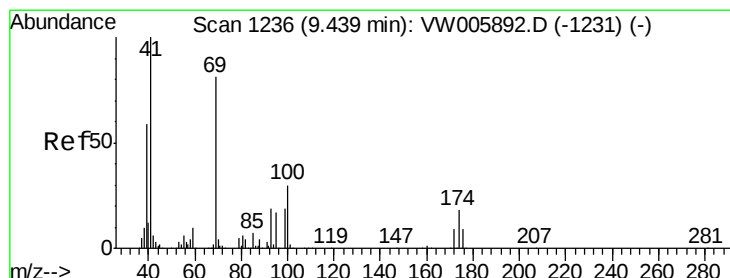
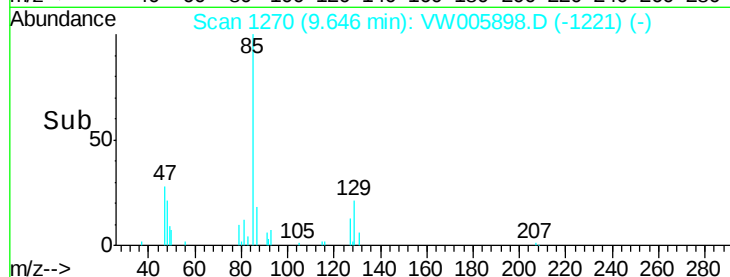
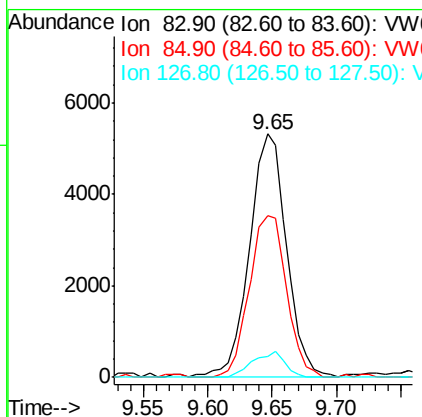
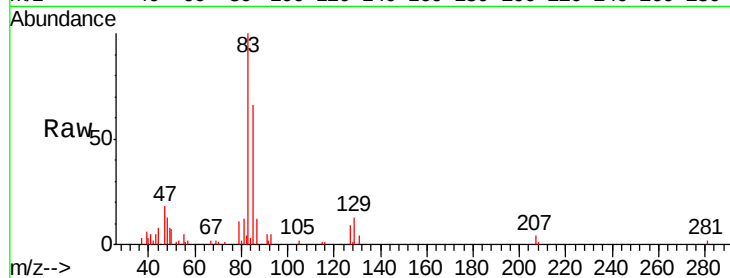
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	83	Resp:	10574
Ion Ratio	Lower	Upper	
83	100		
85	66.4	53.0	79.6
127	8.6	7.4	11.0

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#48

Methyl methacrylate

Concen: 2.61 ug/l

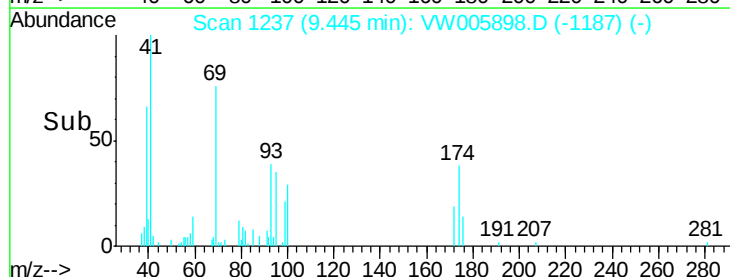
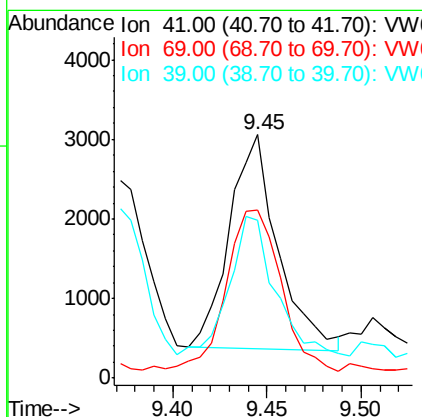
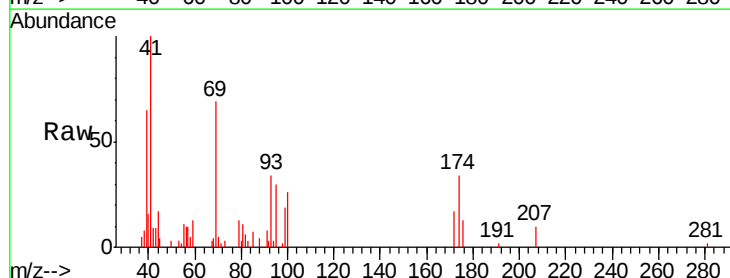
RT: 9.45 min Scan# 1237

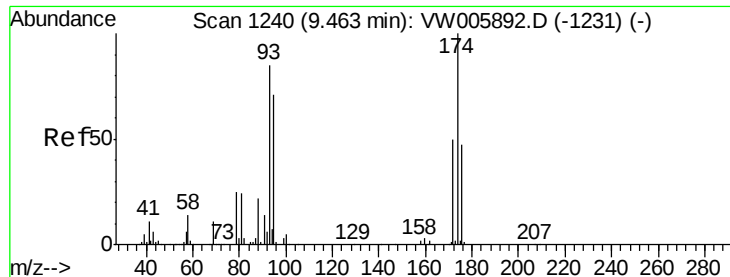
Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	41	Resp:	4786
Ion Ratio	Lower	Upper	
41	100		
69	85.4	68.7	103.1
39	60.9	50.0	75.0





#49

1,4-Dioxane

Concen: 56.71 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

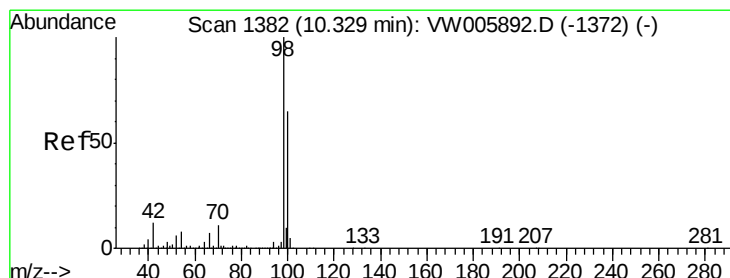
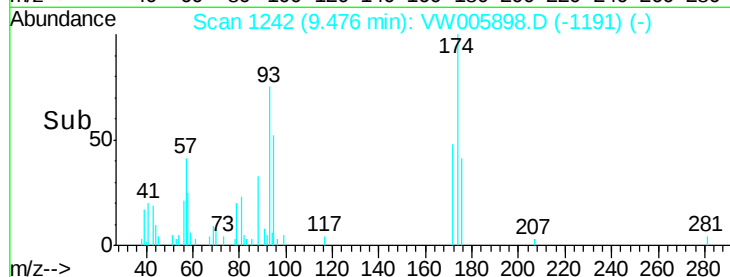
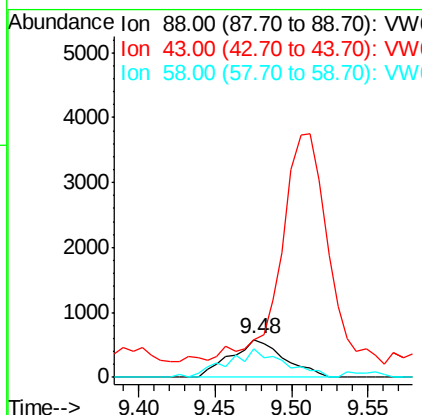
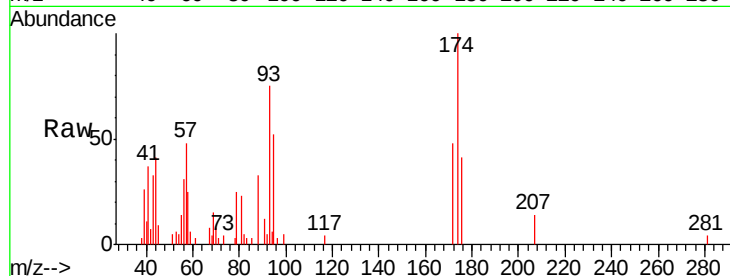
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	88	Resp:	1409
Ion Ratio	Lower	Upper	
88	100		
43	0.0	0.0	0.0
58	80.6	57.7	86.5

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#50

Toluene-d8

Concen: 50.11 ug/l

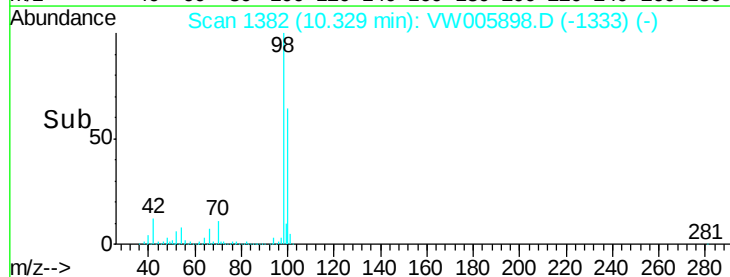
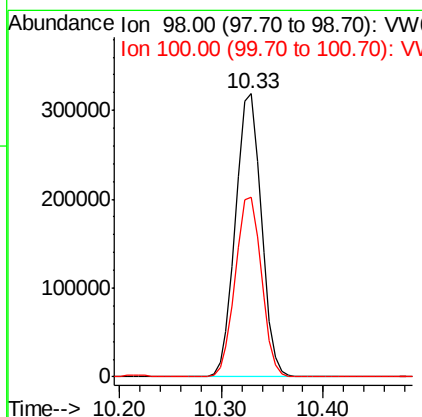
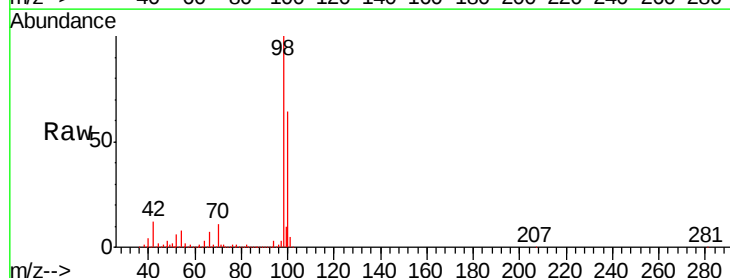
RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	98	Resp:	558052
Ion Ratio	Lower	Upper	
98	100		
100	64.3	51.9	77.9





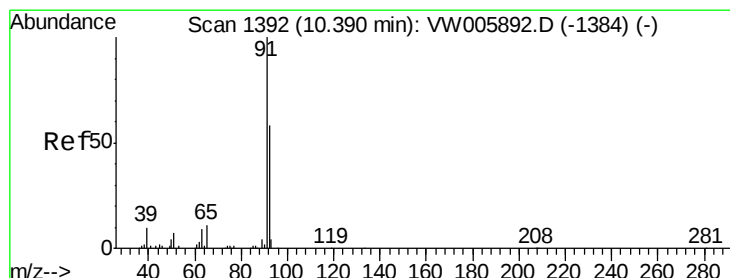
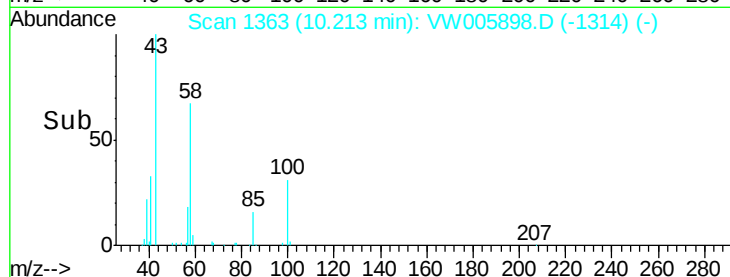
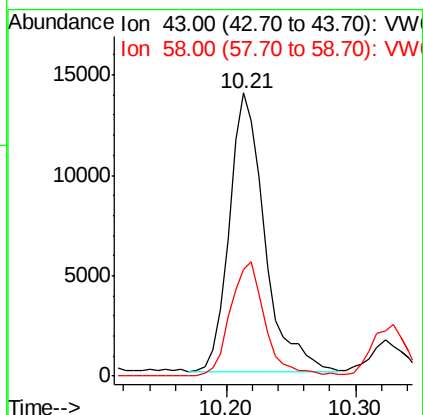
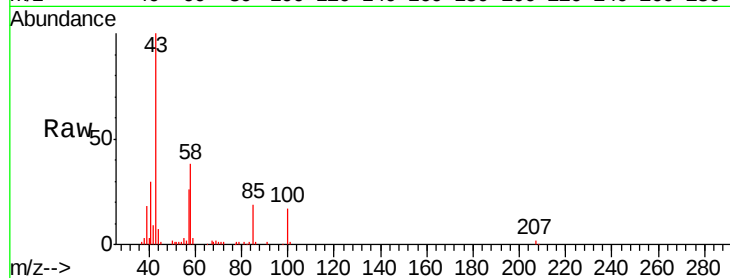
#51
 4-Methyl-2-Pentanone
 Concen: 14.22 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 43 Resp: 26607
 Ion Ratio Lower Upper
 43 100
 58 40.3 30.2 45.4

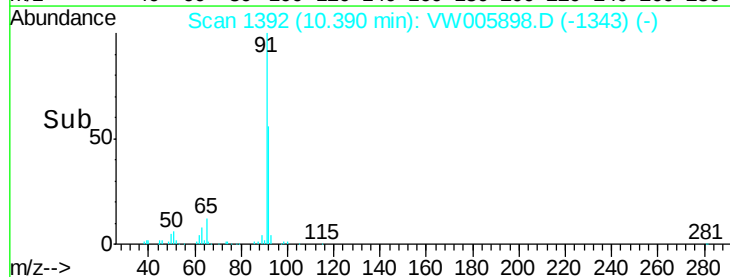
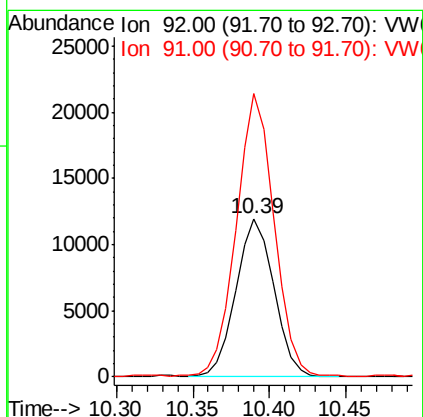
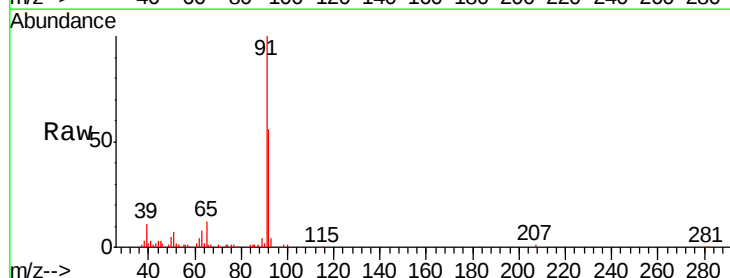
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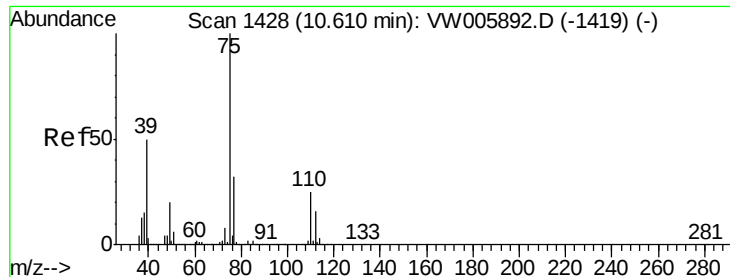
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#52
 Toluene
 Concen: 2.65 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion: 92 Resp: 20711
 Ion Ratio Lower Upper
 92 100
 91 176.6 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 2.43 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 75 Resp: 10472

Ion Ratio Lower Upper

75 100

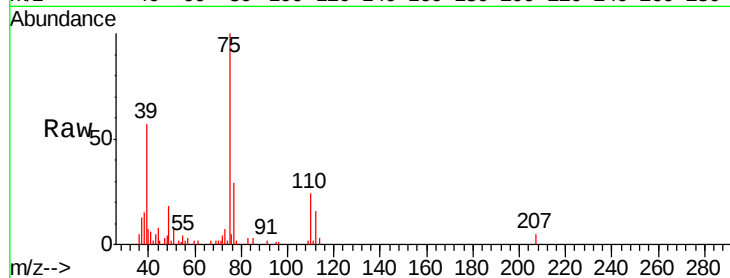
77 28.0 25.4 38.2

Manual Integrations

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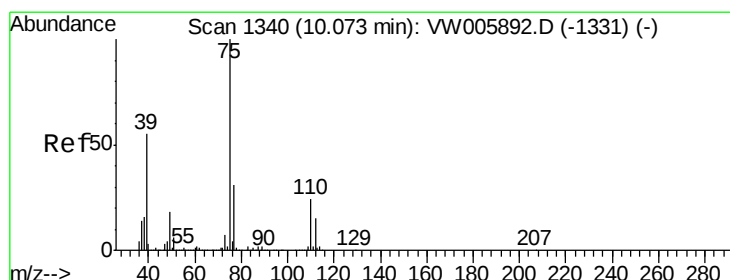
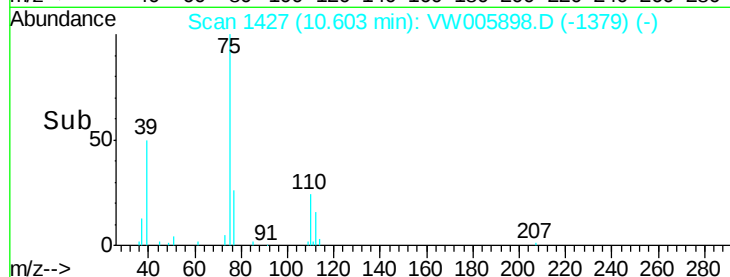
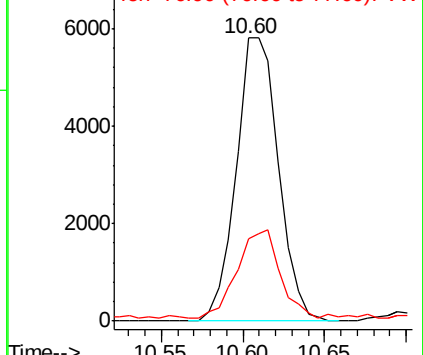
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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 2.52 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

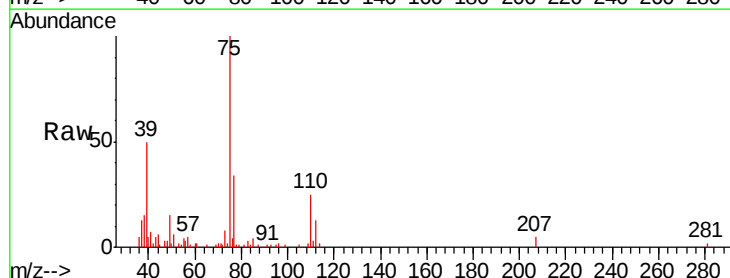
Tgt Ion: 75 Resp: 12172

Ion Ratio Lower Upper

75 100

77 32.9 24.6 37.0

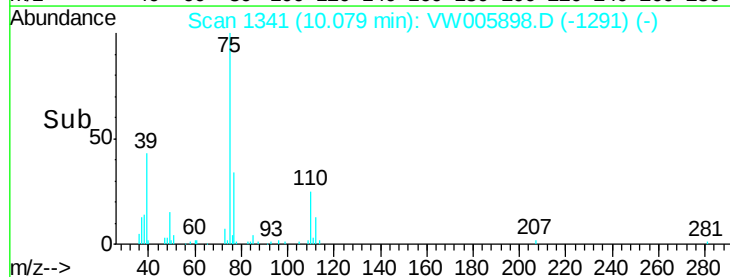
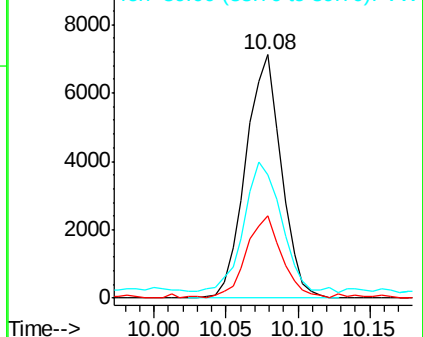
39 48.2 44.2 66.4

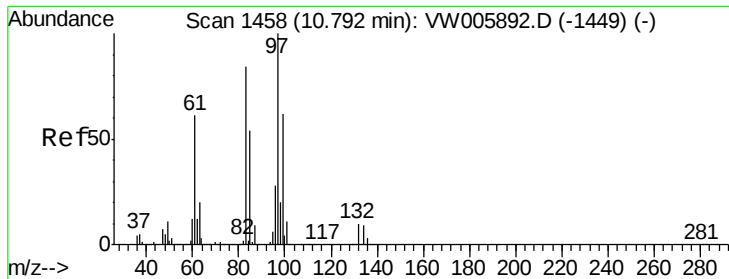


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





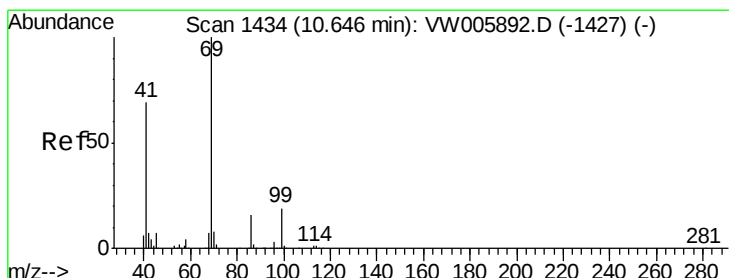
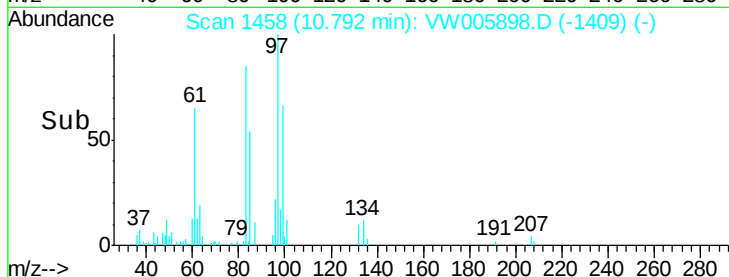
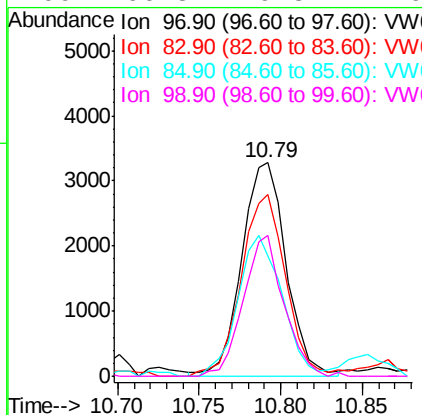
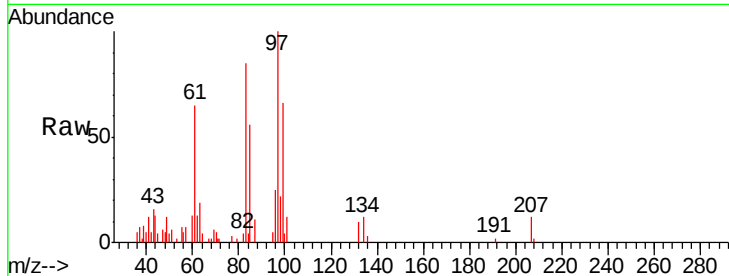
#55
 1,1,2-Trichloroethane
 Concen: 2.74 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	97	Resp:	6203
Ion	Ratio	Lower	Upper
97	100		
83	86.9	66.9	100.3
85	57.4	43.4	65.0
99	66.8	49.8	74.6

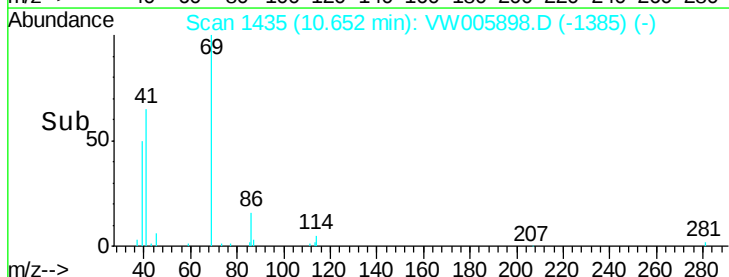
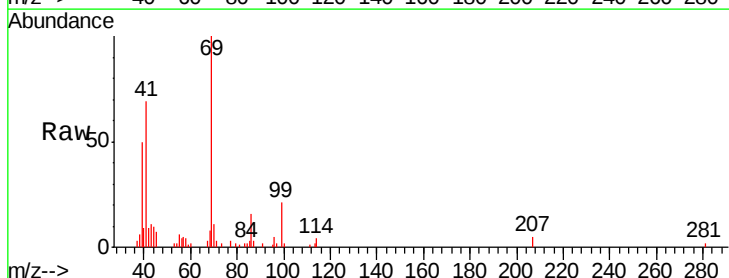
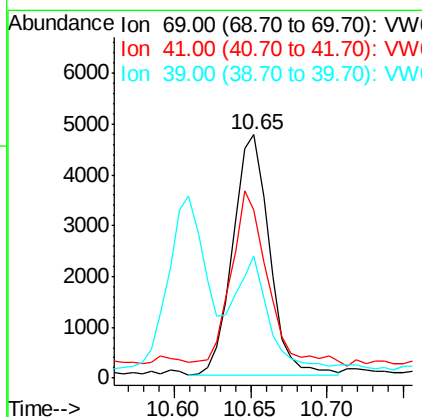
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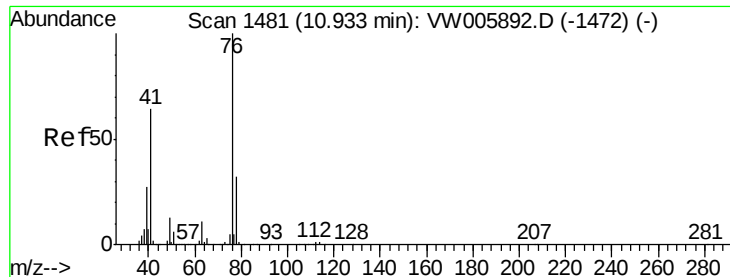
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#56
 Ethyl methacrylate
 Concen: 2.56 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion:	69	Resp:	7824
Ion	Ratio	Lower	Upper
69	100		
41	74.3	56.0	84.0
39	38.0	33.5	50.3





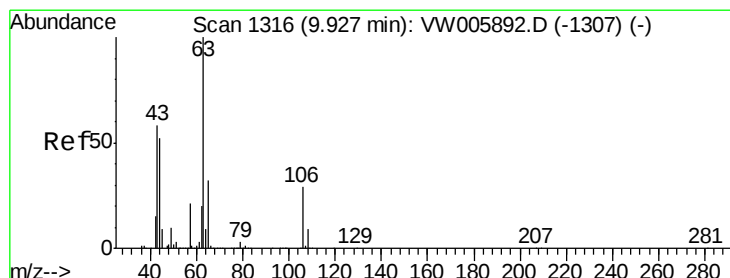
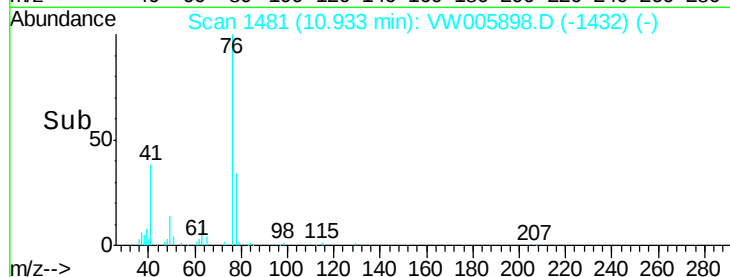
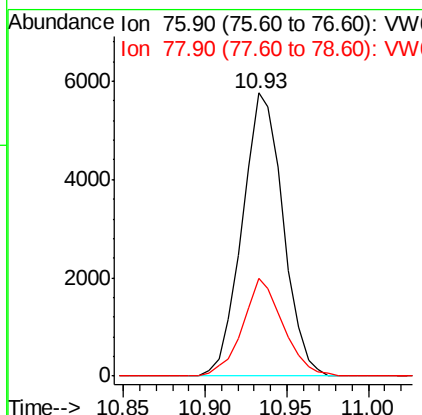
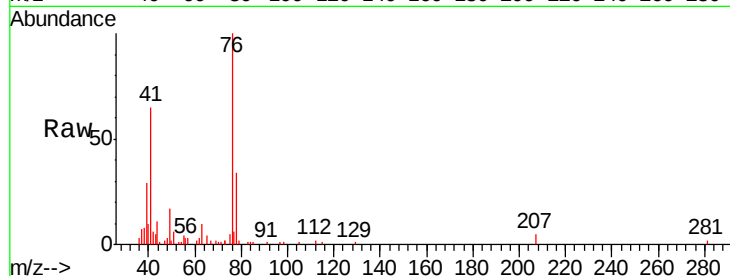
#57
 1,3-Dichloropropane
 Concen: 2.63 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 76 Resp: 10035
 Ion Ratio Lower Upper
 76 100
 78 34.3 25.8 38.6

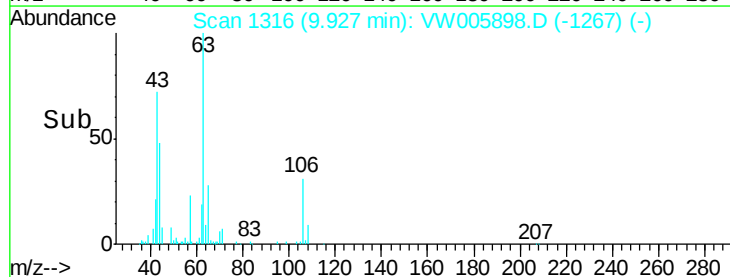
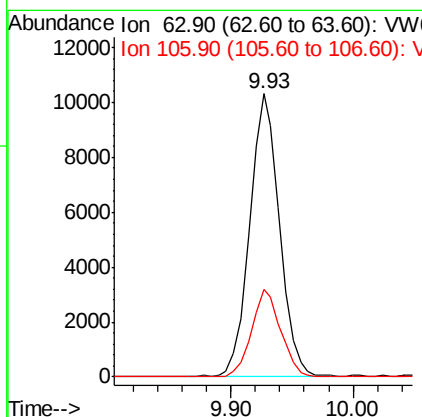
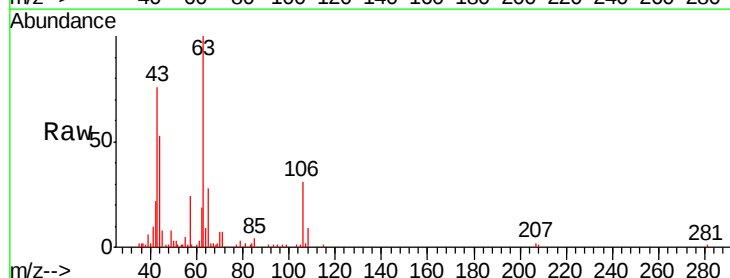
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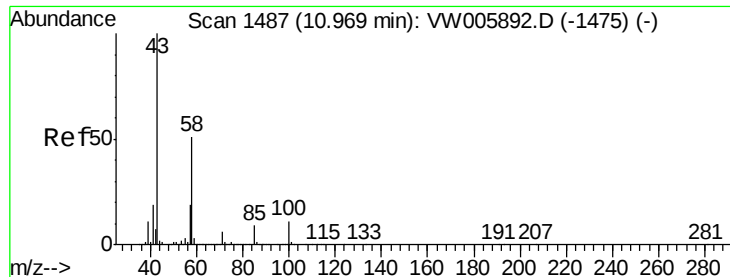
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#58
 2-Chloroethyl Vinyl ether
 Concen: 14.09 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion: 63 Resp: 17501
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.6 35.4





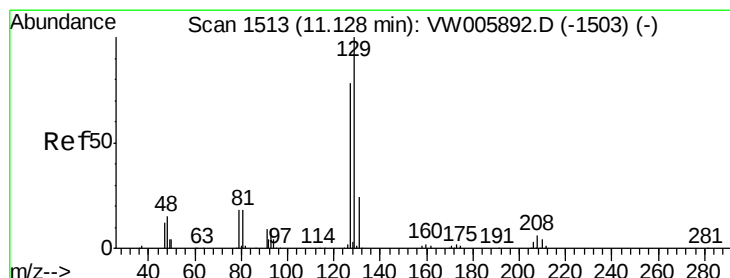
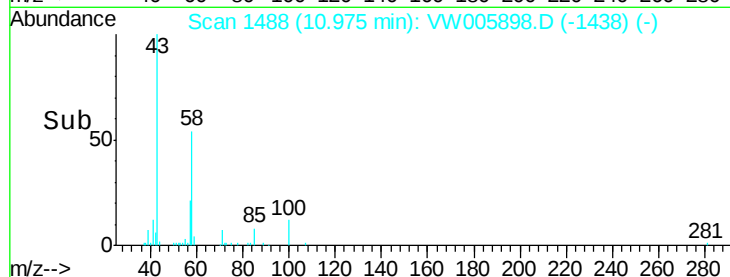
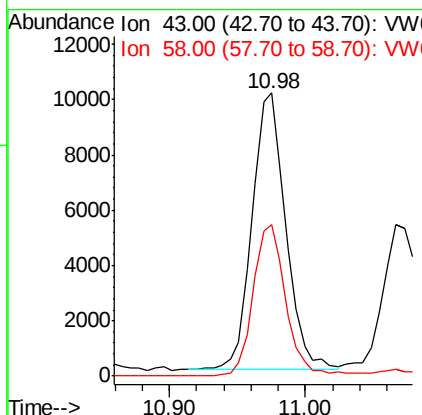
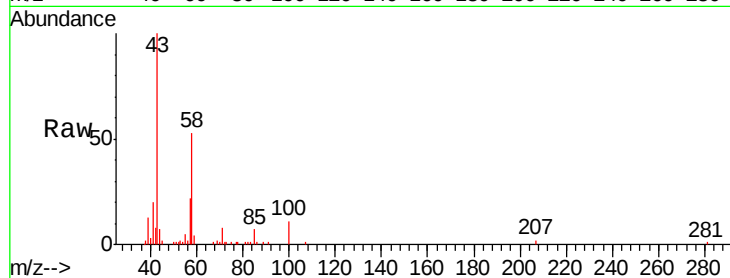
#59
2-Hexanone
Concen: 12.90 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 43 Resp: 17316
Ion Ratio Lower Upper
43 100
58 53.5 25.7 77.1

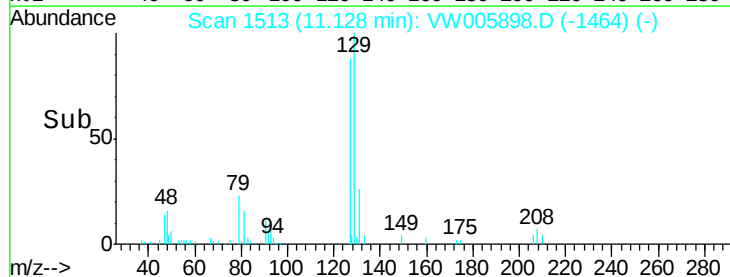
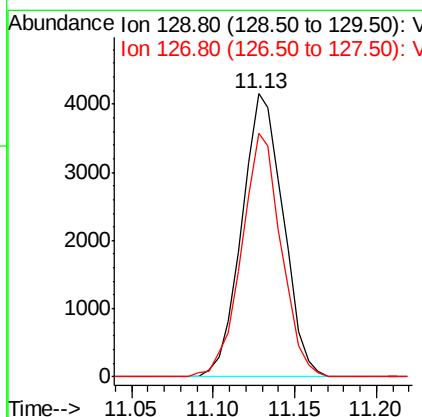
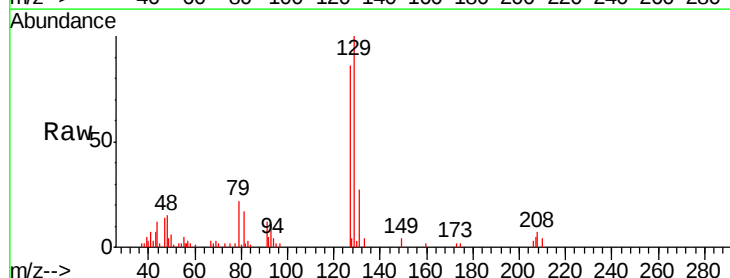
Manual Integrations
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#60
Dibromochloromethane
Concen: 2.51 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion: 129 Resp: 7329
Ion Ratio Lower Upper
129 100
127 82.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 2.74 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 107 Resp: 6208

Ion Ratio Lower Upper

107 100

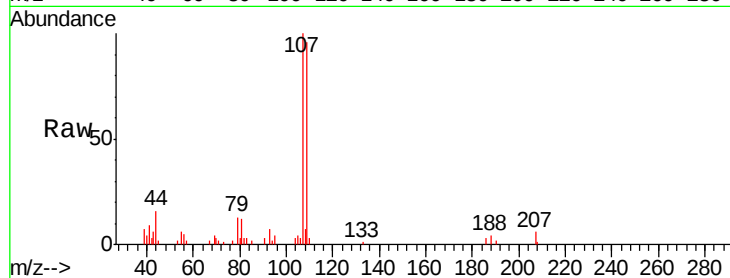
109 93.8 75.8 113.8

Manual Integrations

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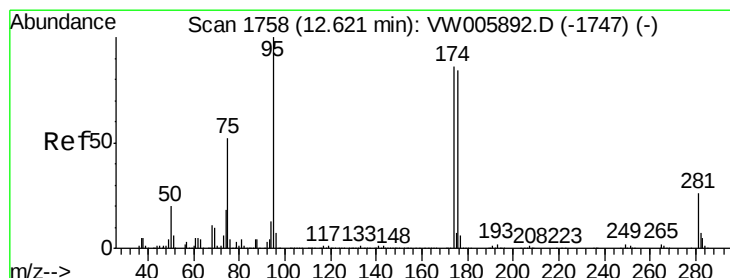
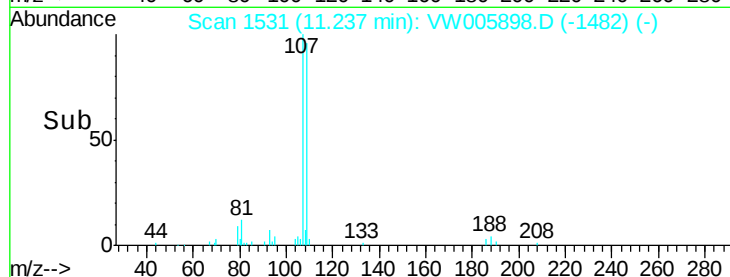
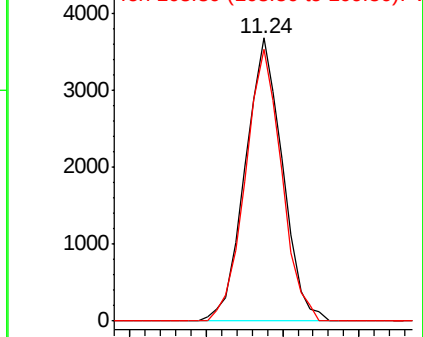
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.04 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

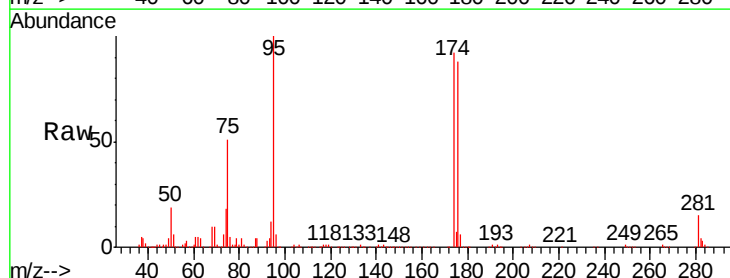
Tgt Ion: 95 Resp: 207787

Ion Ratio Lower Upper

95 100

174 91.5 0.0 176.4

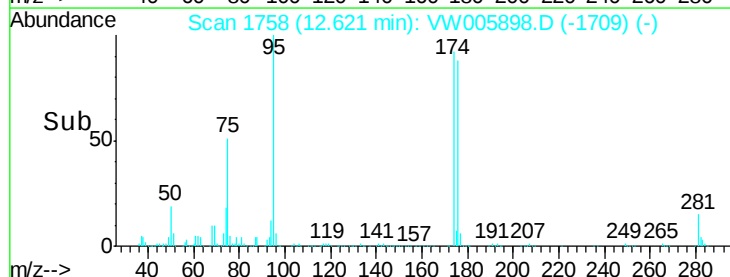
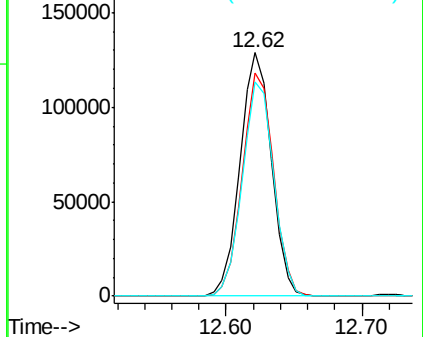
176 88.2 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





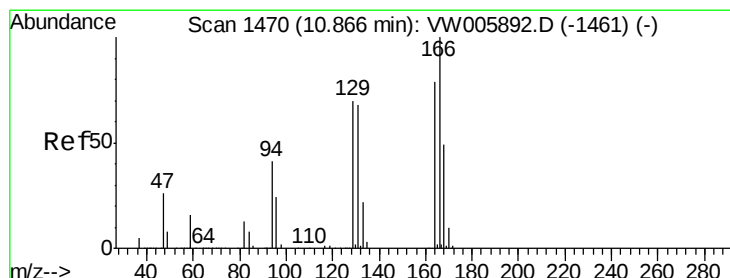
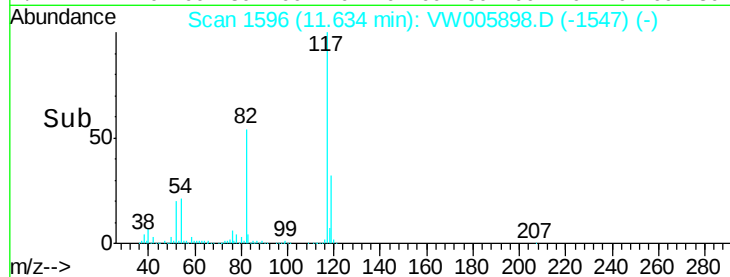
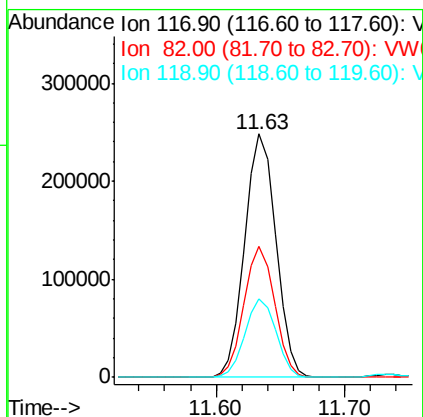
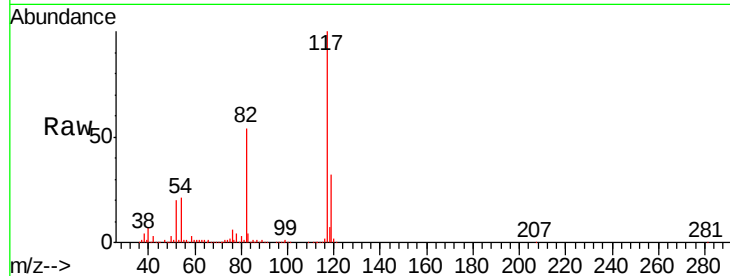
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	415847		
82	53.6	43.5	65.3	
119	32.4	25.4	38.2	

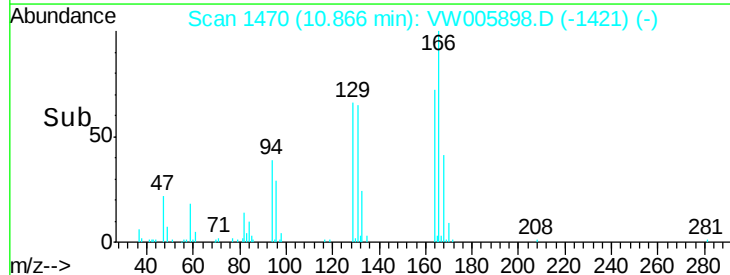
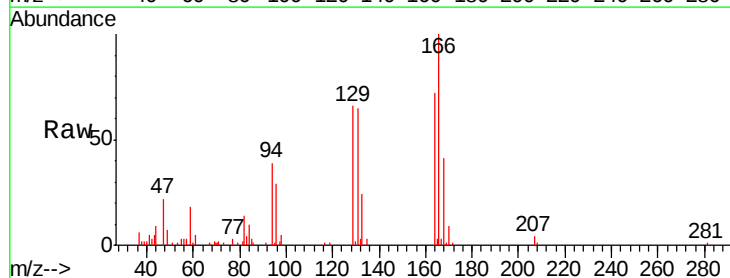
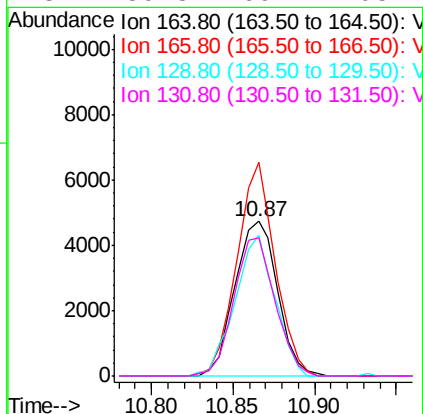
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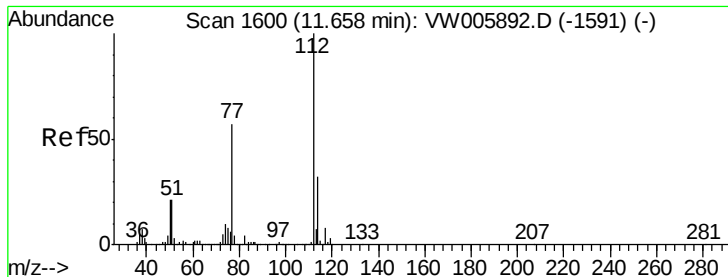
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#64
Tetrachloroethene
Concen: 2.78 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	8624		
166	138.3	101.5	152.3	
129	91.4	71.1	106.7	
131	89.8	69.1	103.7	





#65

Chlorobenzene

Concen: 2.67 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:112 Resp: 23795

Ion Ratio Lower Upper

112 100

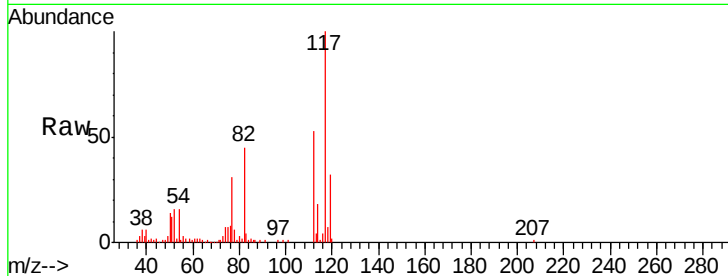
114 33.9 25.6 38.4

Manual Integrations

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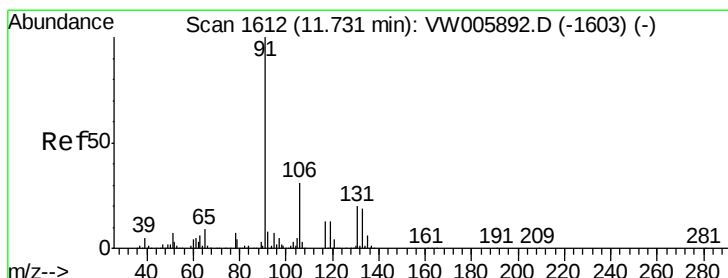
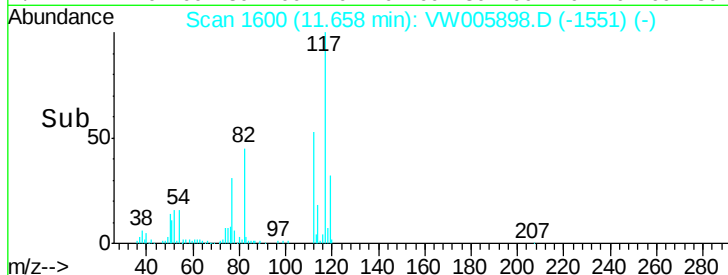
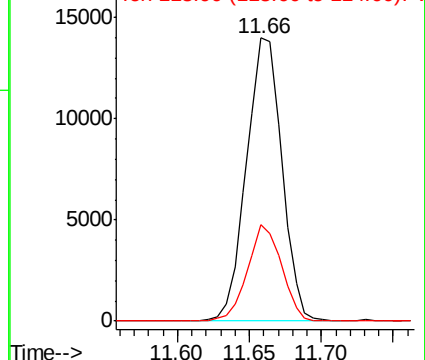
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 2.49 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

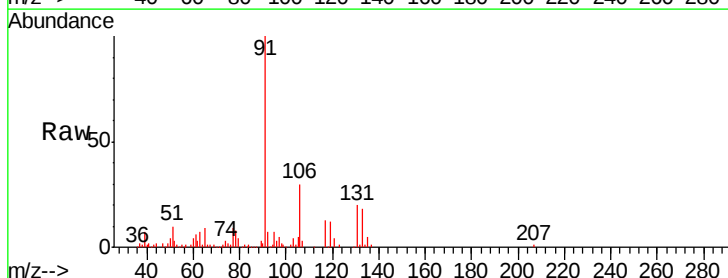
Tgt Ion:131 Resp: 8121

Ion Ratio Lower Upper

131 100

133 101.4 48.2 144.6

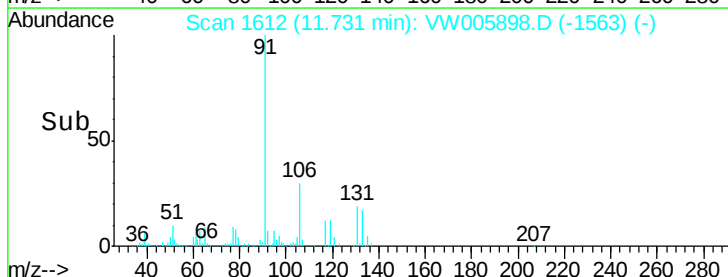
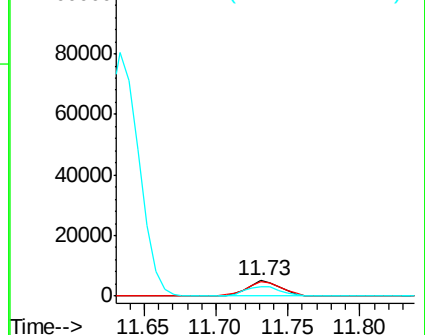
119 69.0 32.5 97.5

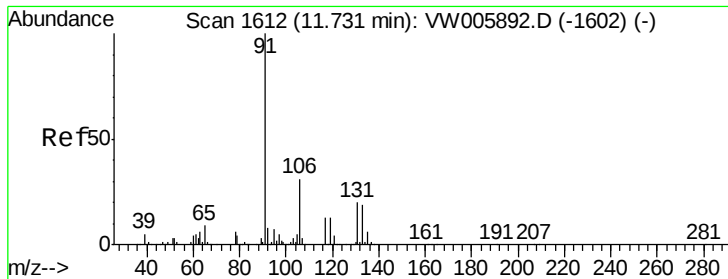


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





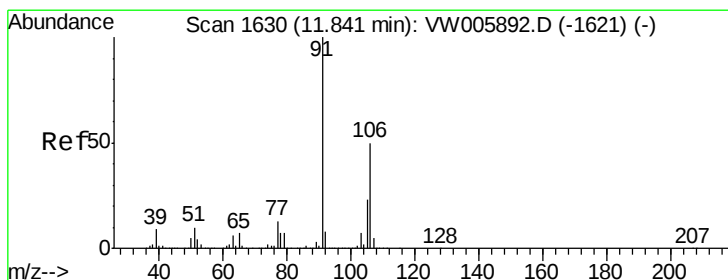
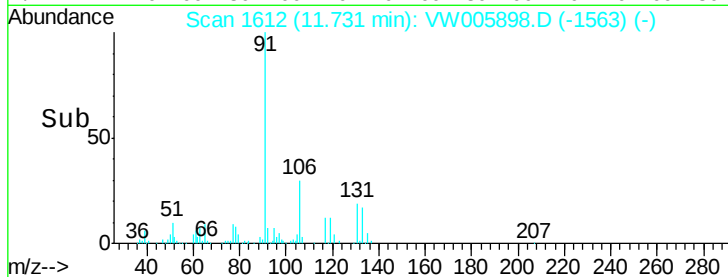
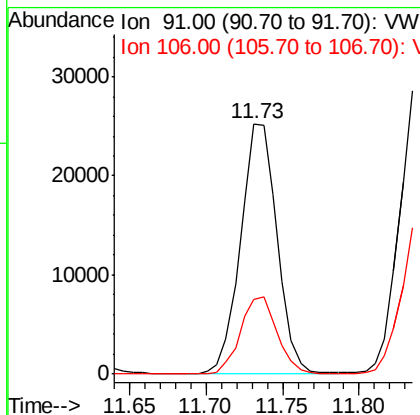
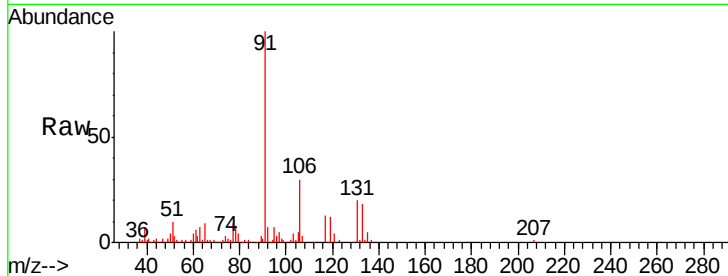
#67
Ethyl Benzene
Concen: 2.67 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 91 Resp: 41959
Ion Ratio Lower Upper
91 100
106 29.7 25.0 37.6

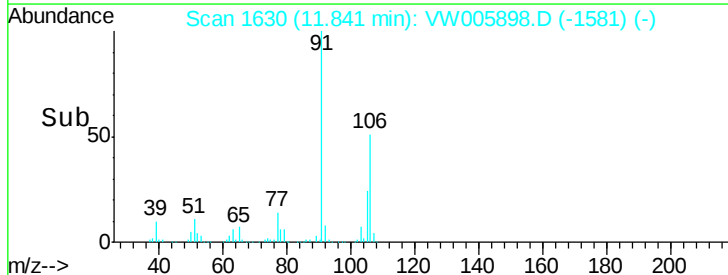
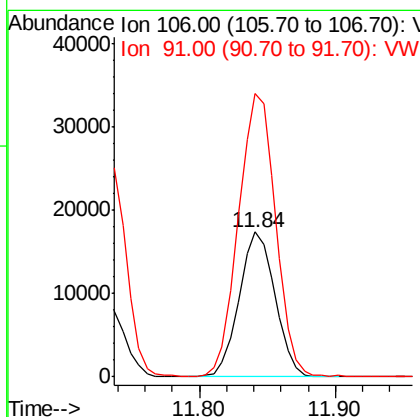
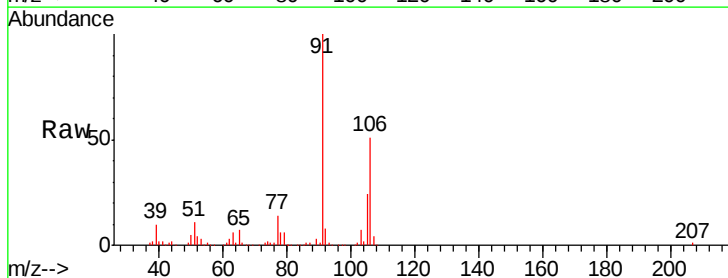
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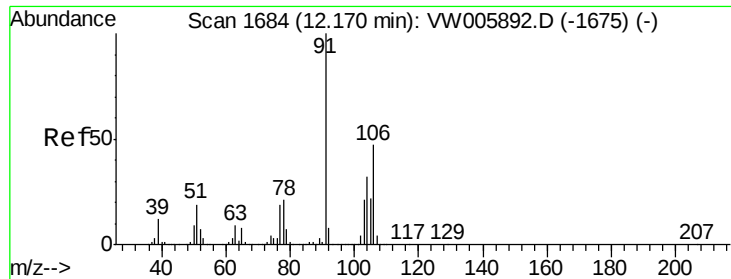
apatel
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#68
m/p-Xylenes
Concen: 5.21 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion: 106 Resp: 32034
Ion Ratio Lower Upper
106 100
91 201.8 160.2 240.2





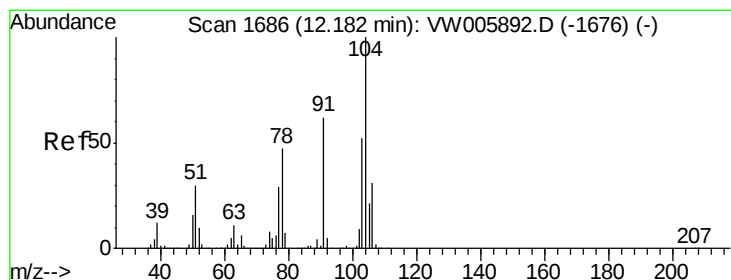
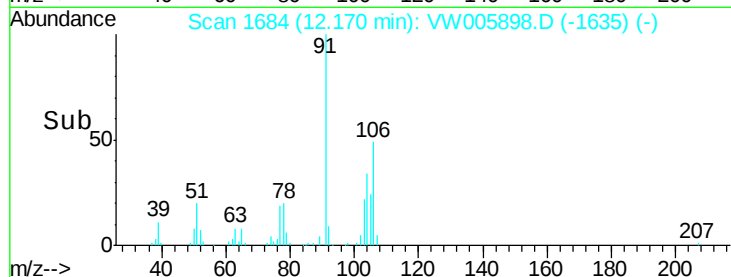
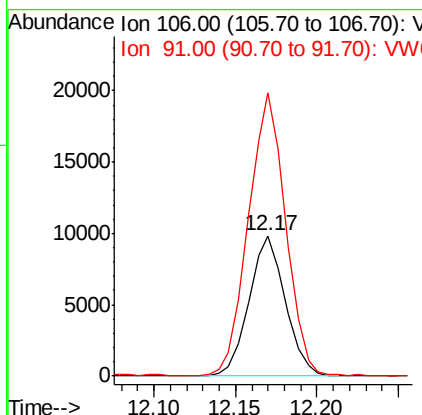
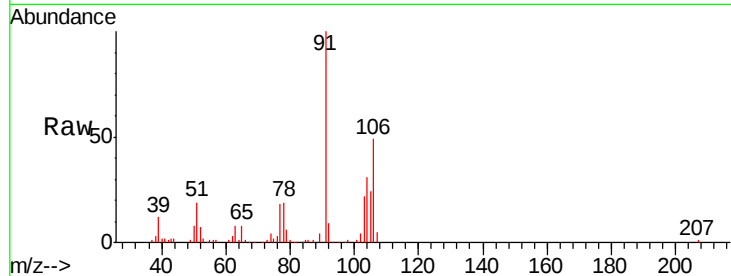
#69
o-Xylene
Concen: 2.57 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:106 Resp: 15144
Ion Ratio Lower Upper
106 100
91 208.0 106.2 318.5

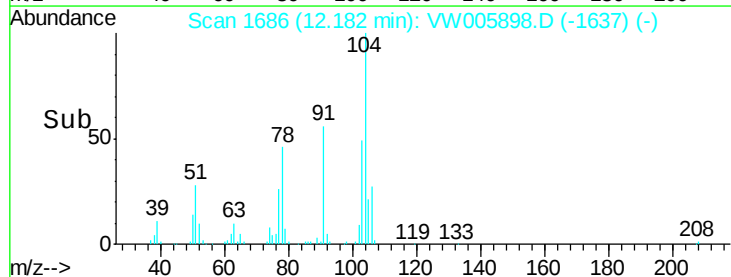
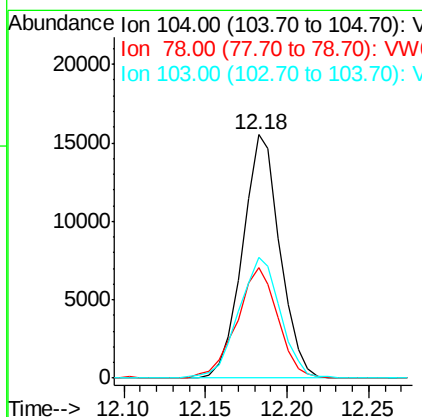
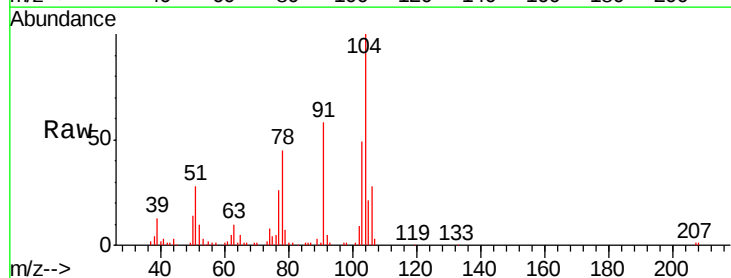
Manual Integrations
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#70
Styrene
Concen: 2.54 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion:104 Resp: 24783
Ion Ratio Lower Upper
104 100
78 49.4 40.4 60.6
103 55.4 44.2 66.2





#71

Bromoform

Concen: 2.44 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

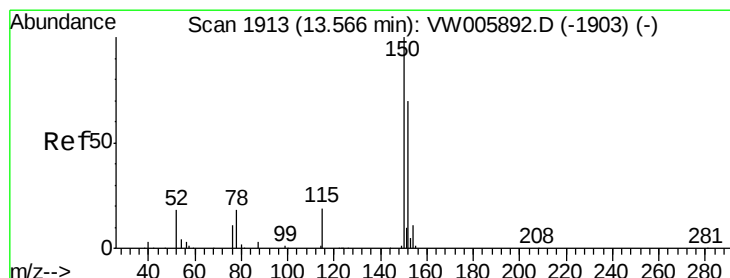
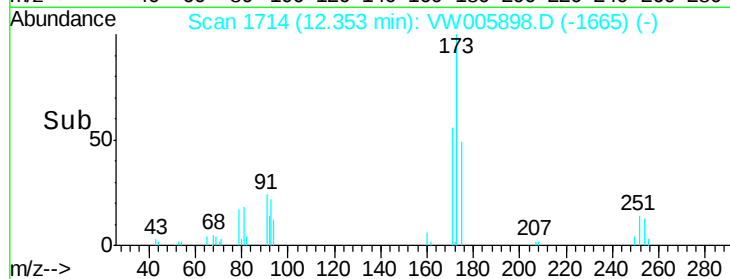
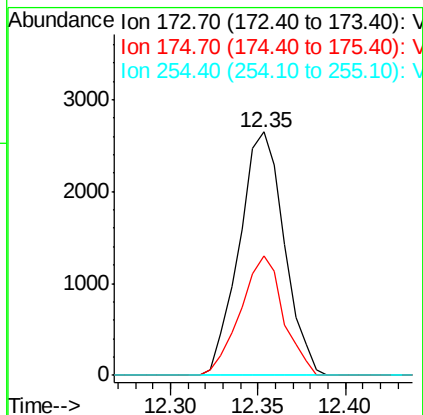
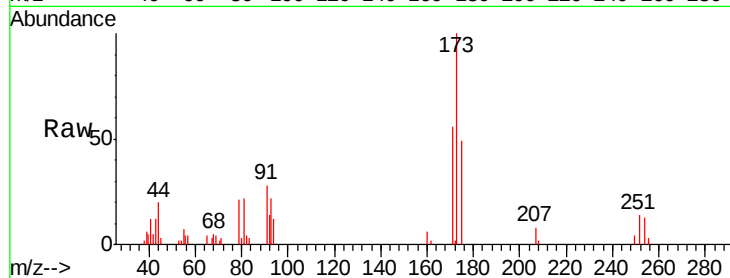
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	173	Resp:	4737
Ion Ratio	Lower	Upper	
173	100		
175	46.8	24.7	74.1
254	0.0	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

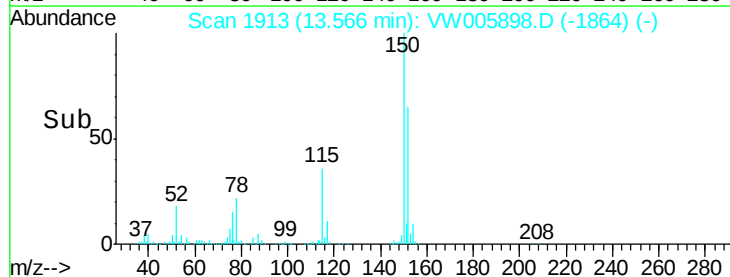
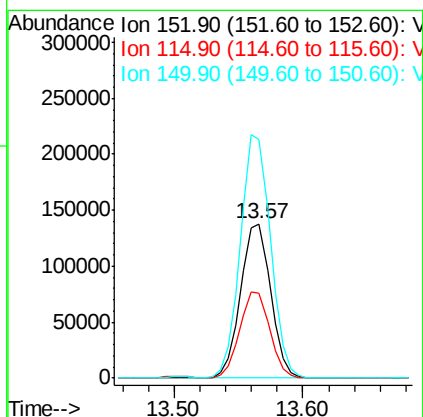
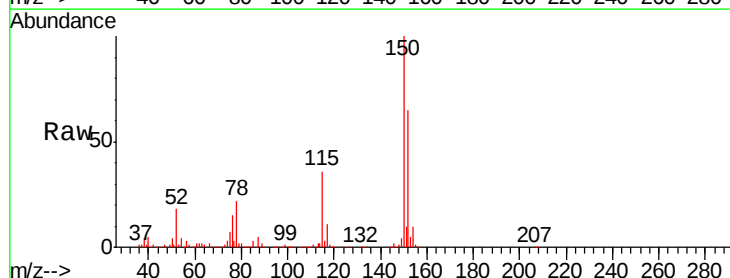
RT: 13.57 min Scan# 1913

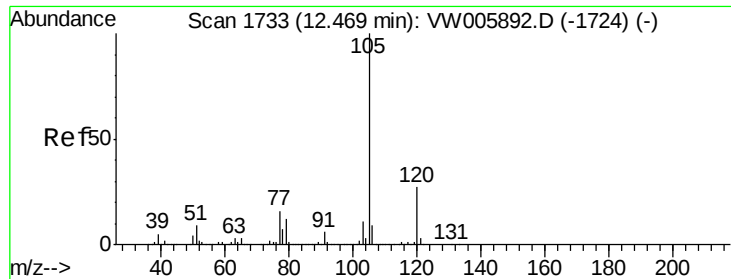
Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	152	Resp:	222640
Ion Ratio	Lower	Upper	
152	100		
115	56.3	28.3	85.0
150	158.3	0.0	349.2





#73

Isopropylbenzene

Concen: 2.64 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 105 Resp: 42923

Ion Ratio Lower Upper

105 100

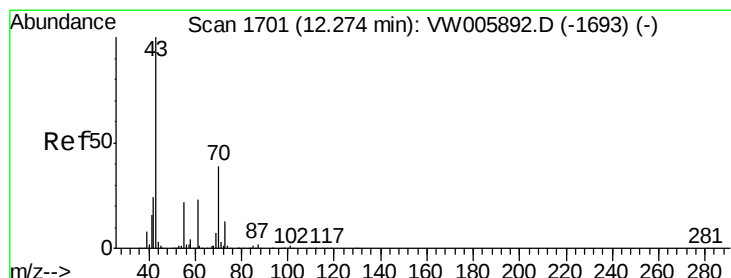
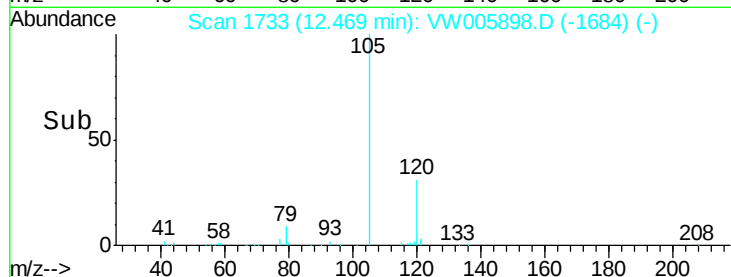
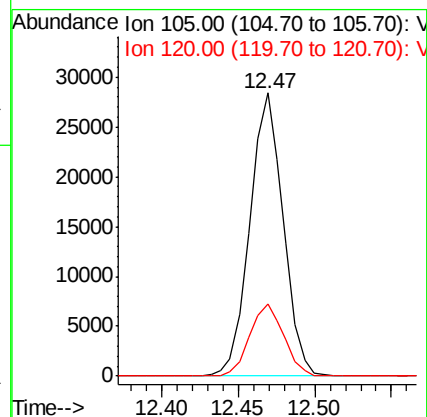
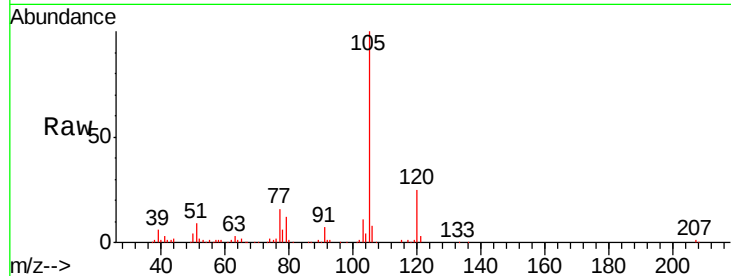
120 26.0 13.6 40.8

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#74

N-ethyl acetate

Concen: 2.55 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion: 43 Resp: 9829

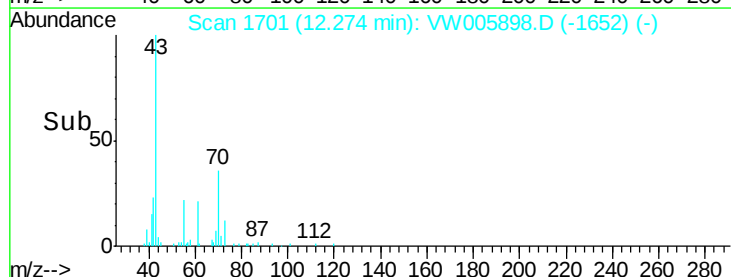
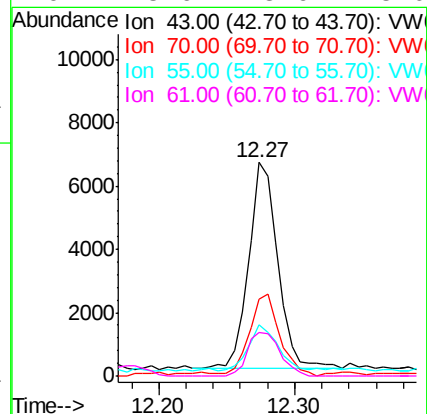
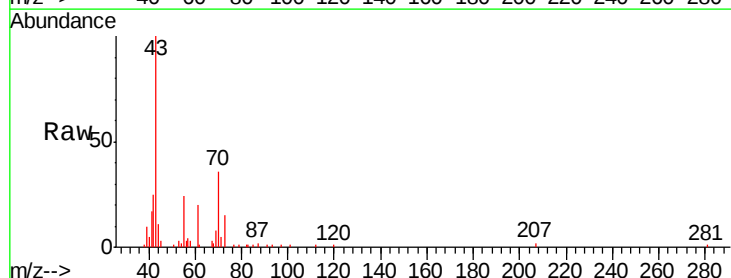
Ion Ratio Lower Upper

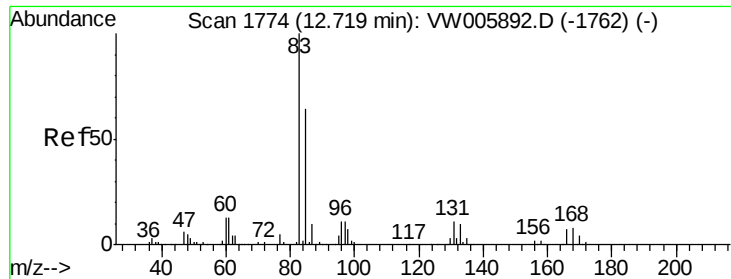
43 100

70 41.5 31.6 47.4

55 22.4 17.9 26.9

61 23.6 18.6 28.0





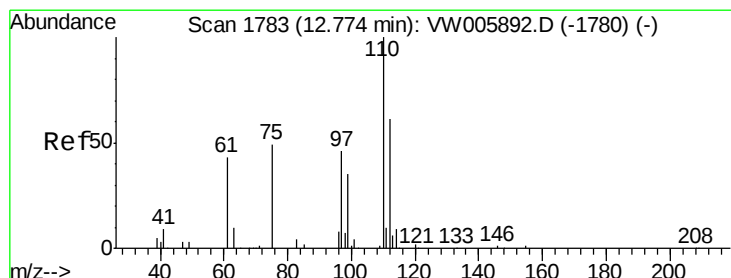
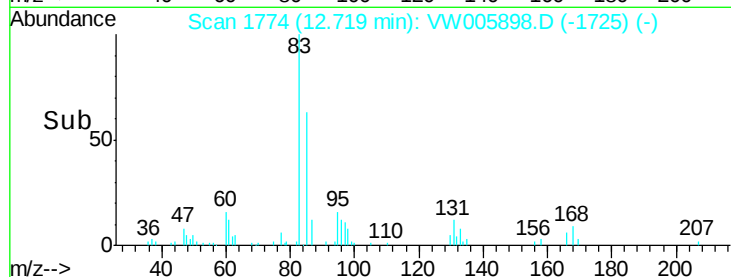
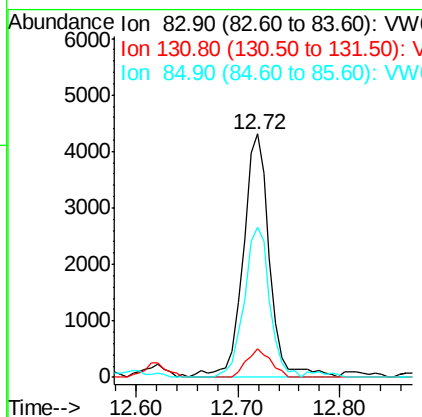
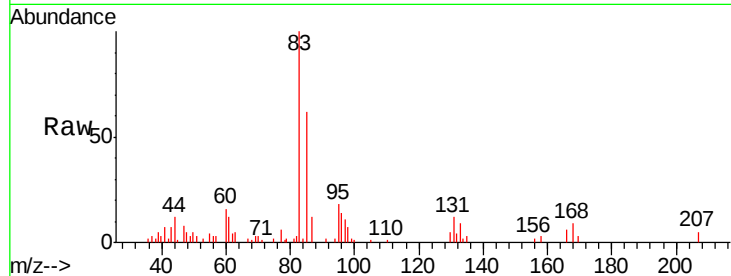
#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.90 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.8	17.3
85	59.7	32.4	97.0

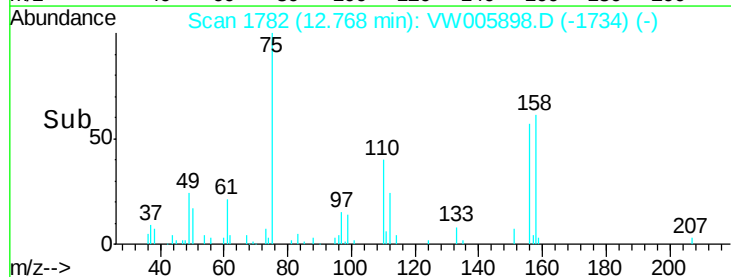
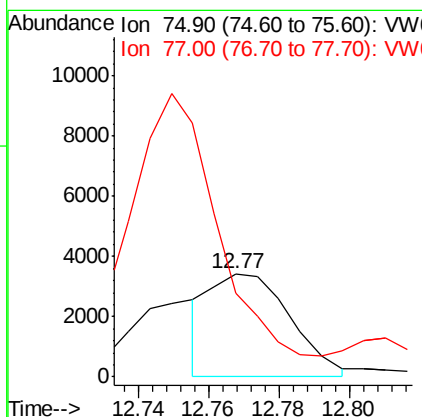
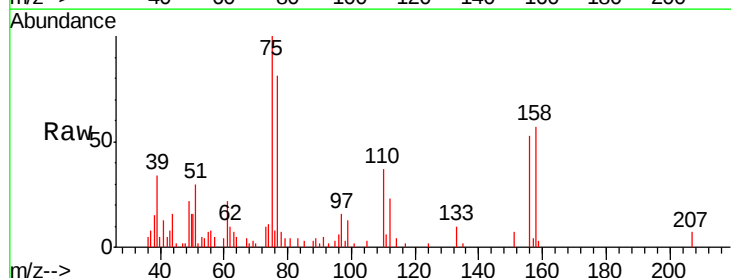
Manual Integrations
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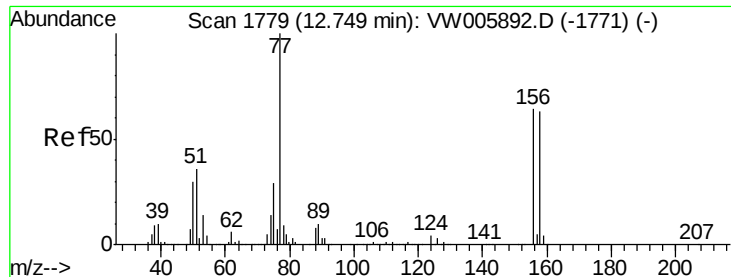
apatel
 10/9/2018 4:24:05 PM



#76
 1,2,3-Trichloropropane
 Concen: 2.73 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	323.8	0.0	0.0#





#77

Bromobenzene

Concen: 2.70 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

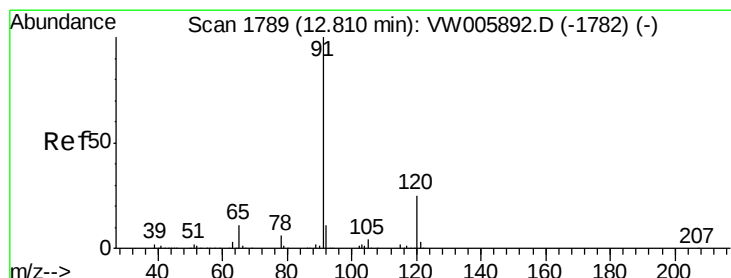
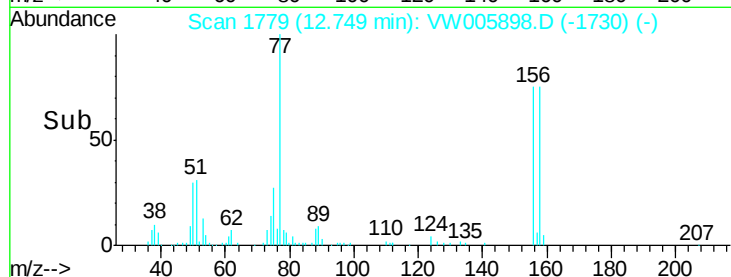
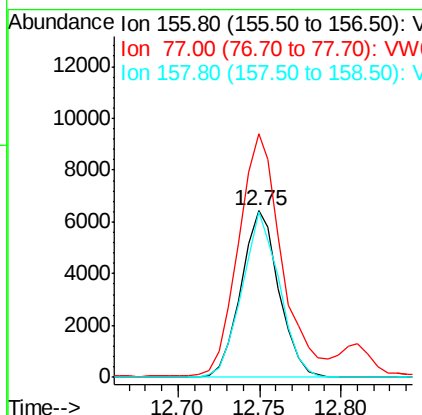
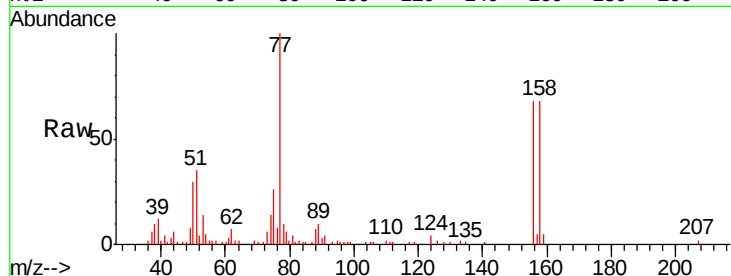
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	156	Resp:	10383
Ion Ratio	Lower	Upper	
156	100		
77	169.4	85.8	257.4
158	98.0	49.1	147.4

Manual Integrations
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#78

n-propylbenzene

Concen: 2.58 ug/l

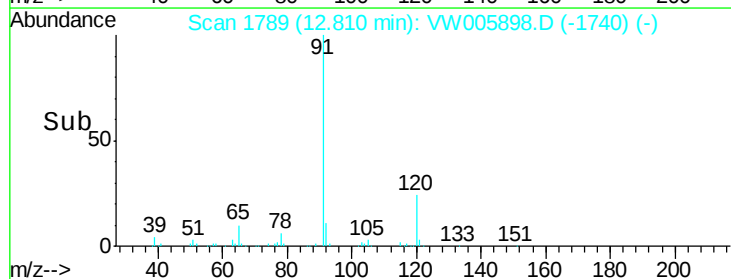
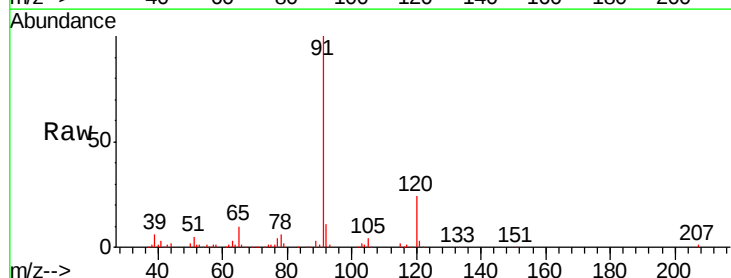
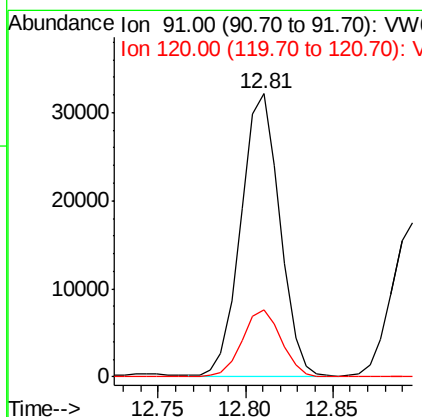
RT: 12.81 min Scan# 1789

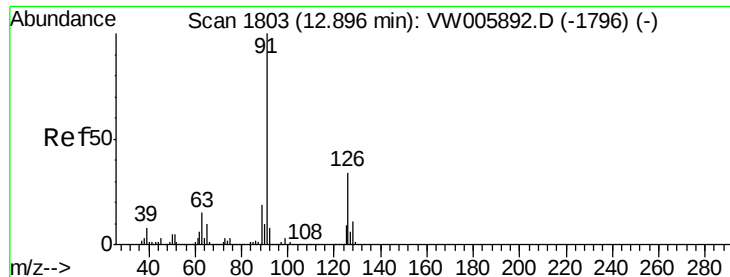
Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	91	Resp:	49302
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 2.62 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 91 Resp: 28315

Ion Ratio Lower Upper

91 100

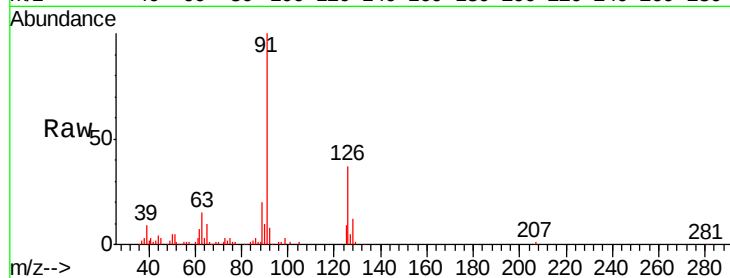
126 36.1 17.5 52.5

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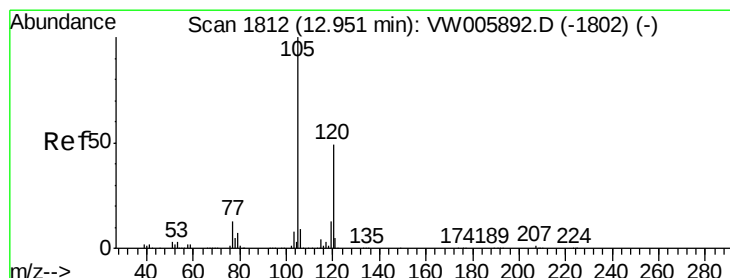
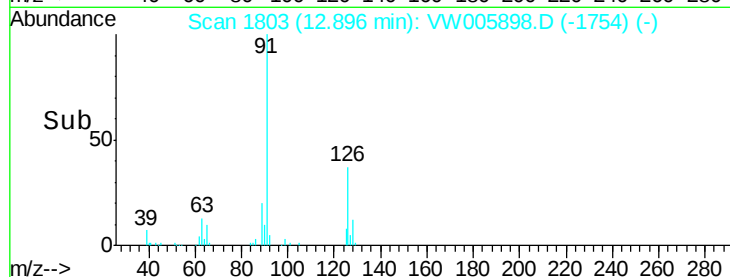
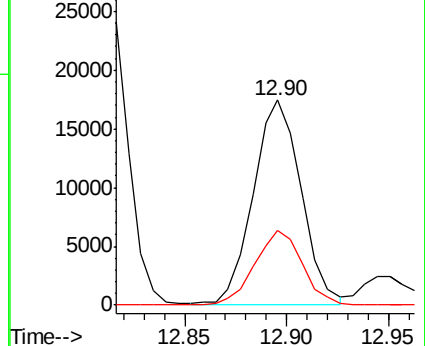
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 2.57 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005898.D

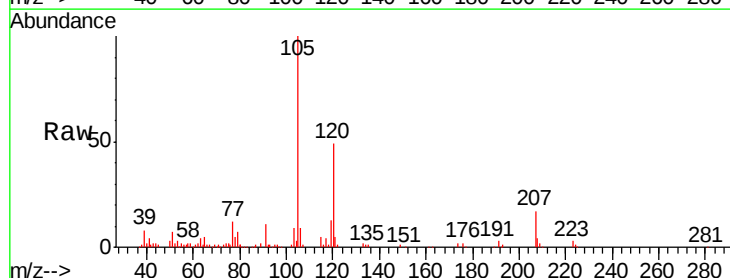
Acq: 08 Oct 2018 16:25

Tgt Ion: 105 Resp: 35299

Ion Ratio Lower Upper

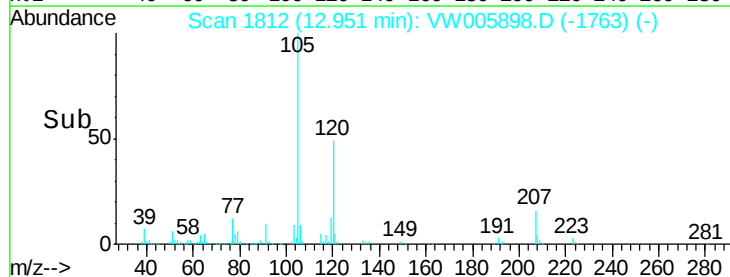
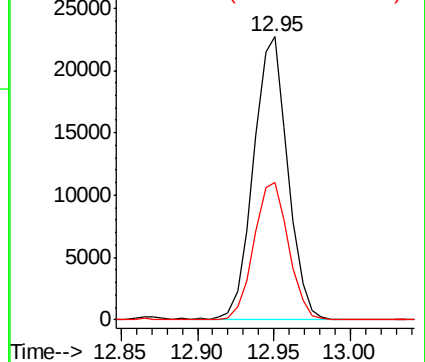
105 100

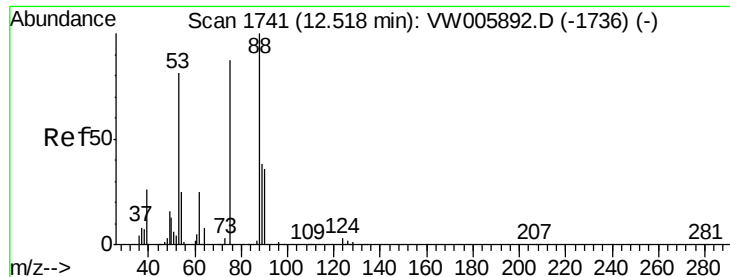
120 49.2 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





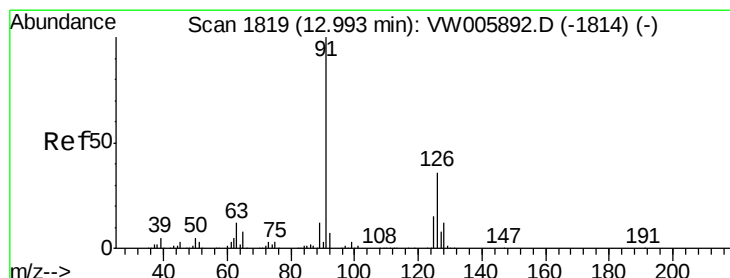
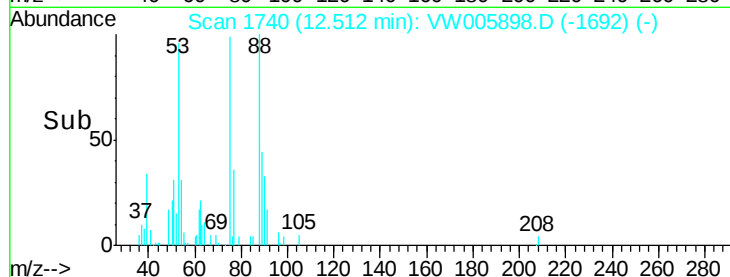
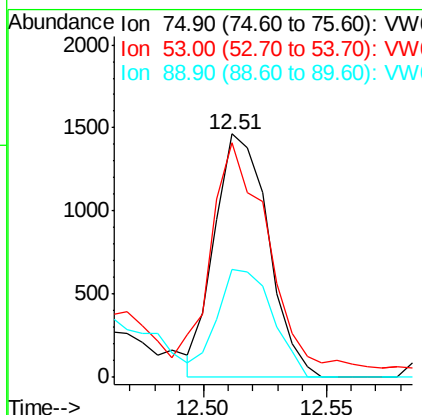
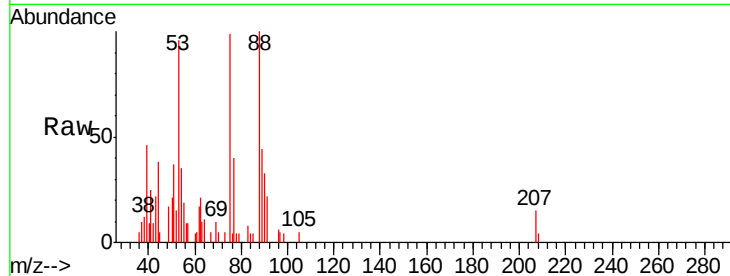
#81
trans-1,4-Dichloro-2-butene
Concen: 2.35 ug/l m
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
75	100		
53	6.4	76.5	114.7#
89	2.4	37.6	56.4#

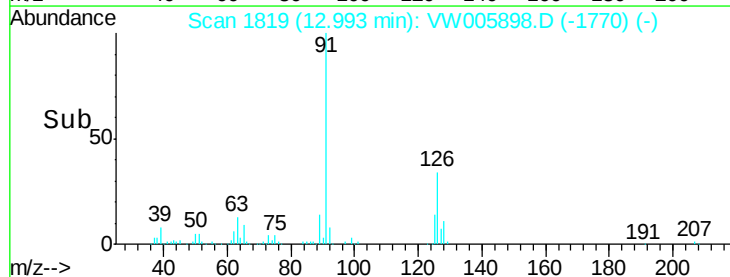
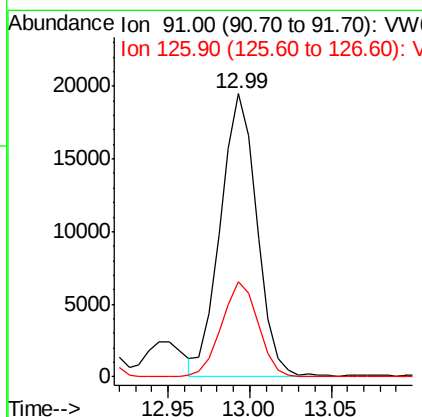
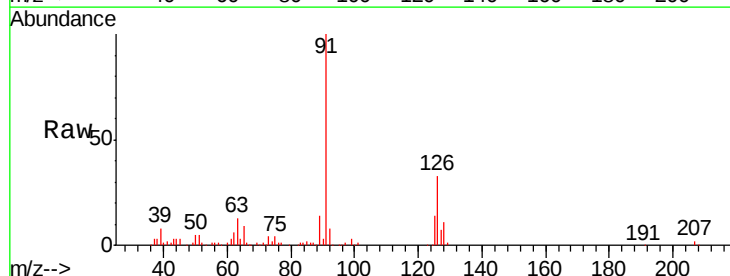
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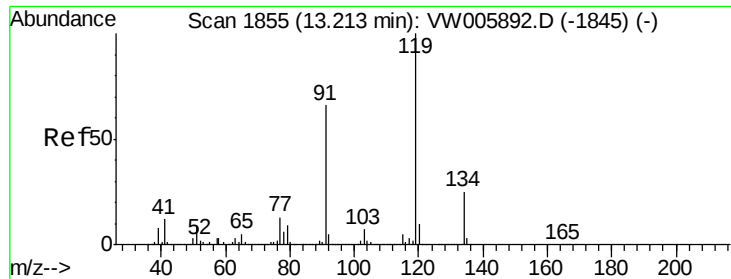
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#82
4-Chlorotoluene
Concen: 2.68 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.4	52.2





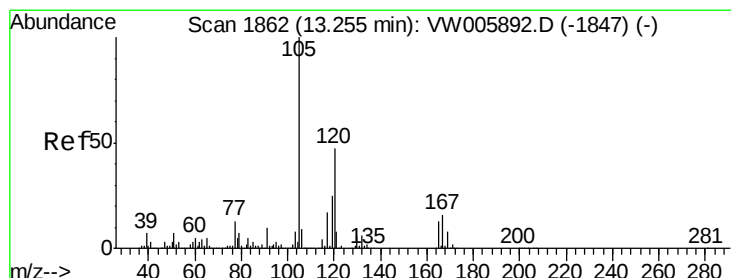
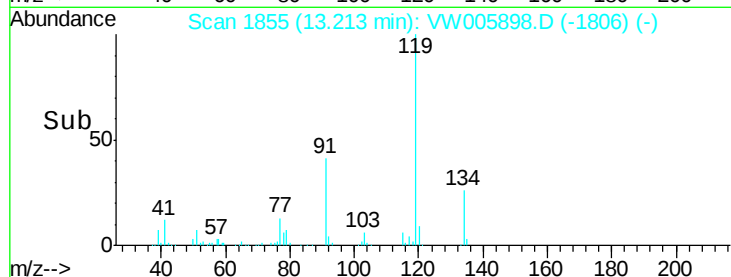
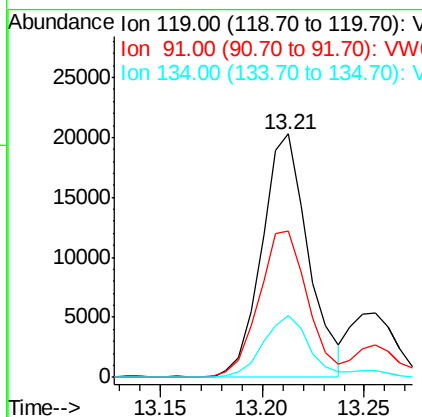
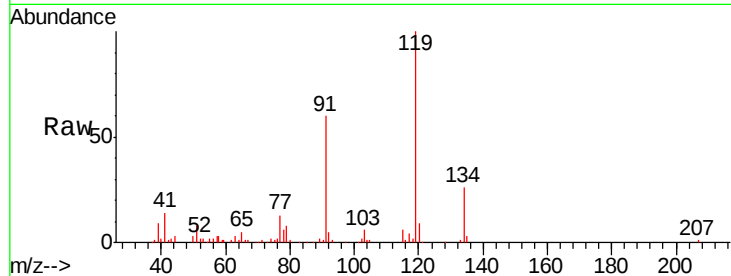
#83
 tert-Butylbenzene
 Concen: 2.64 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.3	32.4	97.0
134	25.3	13.2	39.6

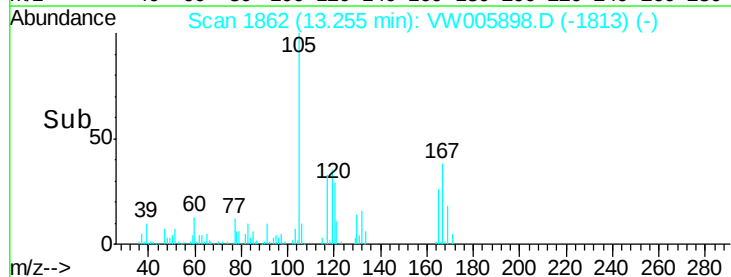
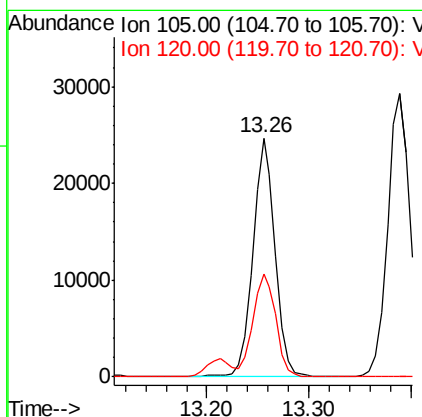
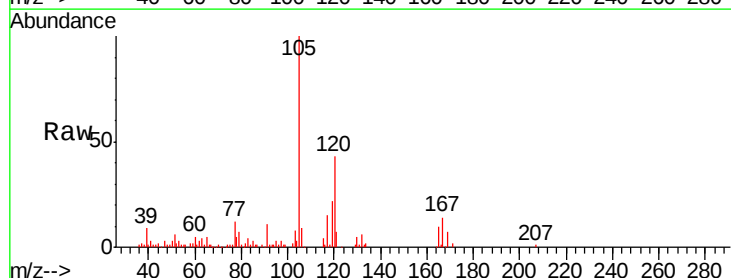
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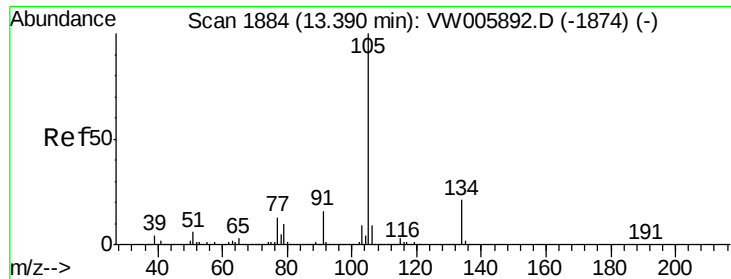
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#84
 1,2,4-Trimethylbenzene
 Concen: 2.71 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.8	68.3





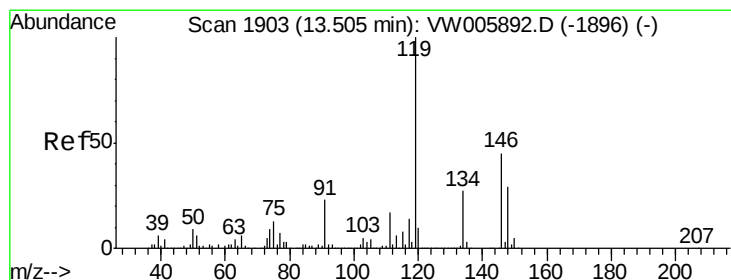
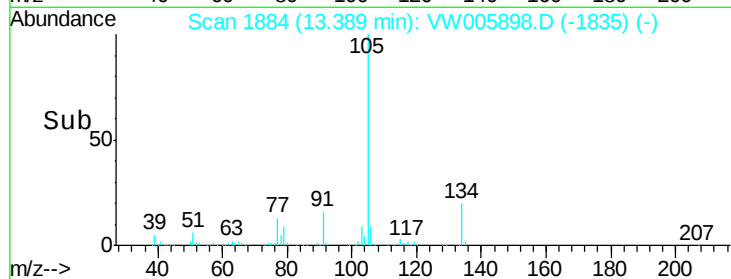
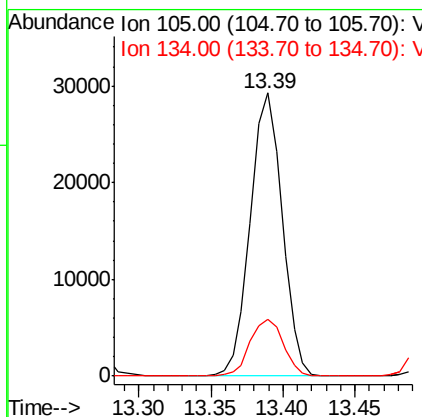
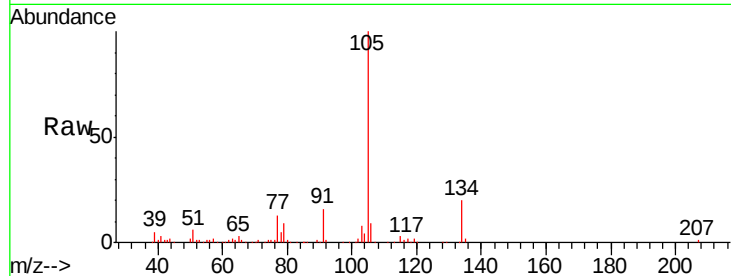
#85
 sec-Butylbenzene
 Concen: 2.62 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:105 Resp: 44948
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4

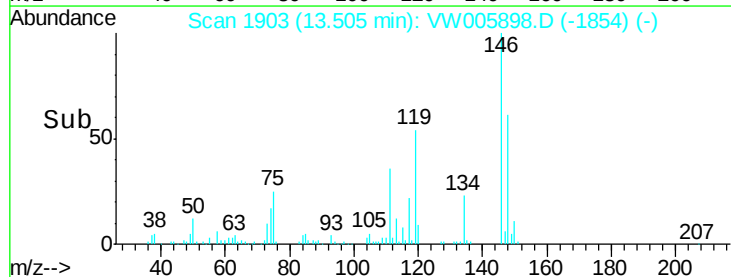
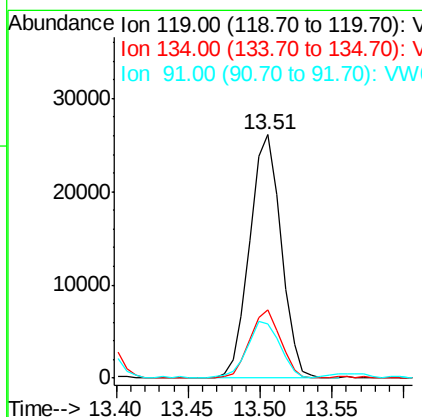
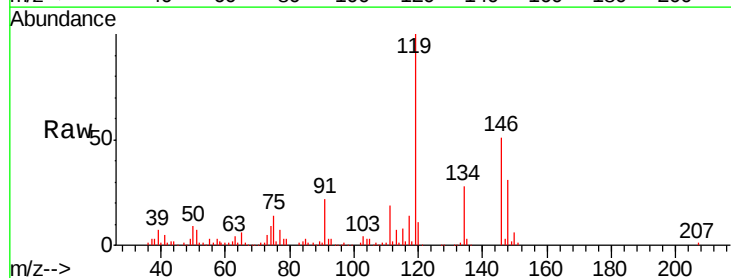
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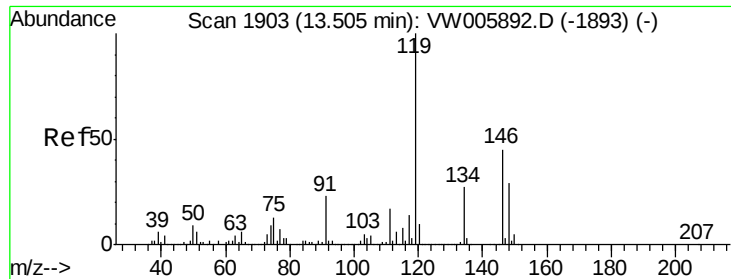
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#86
 p-Isopropyltoluene
 Concen: 2.56 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion:119 Resp: 39461
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.5 40.5
 91 24.3 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 2.71 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

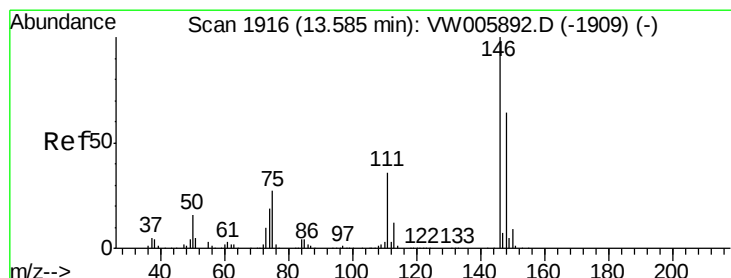
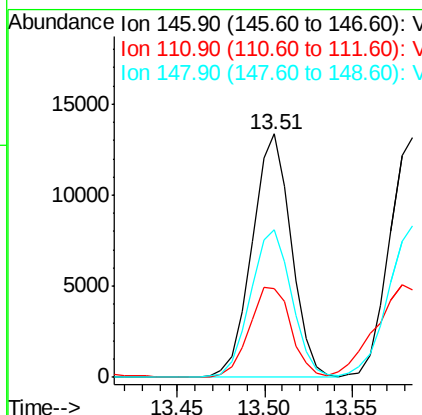
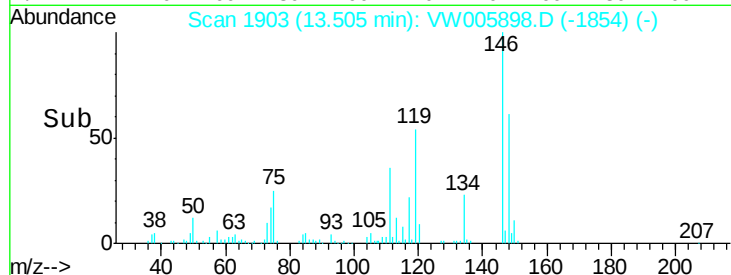
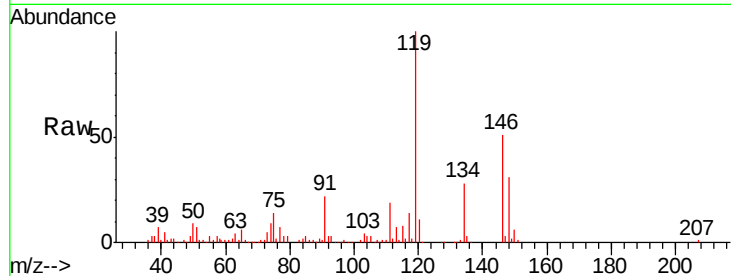
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	146	Resp:	20767
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.5	58.5
148	63.8	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 2.83 ug/l

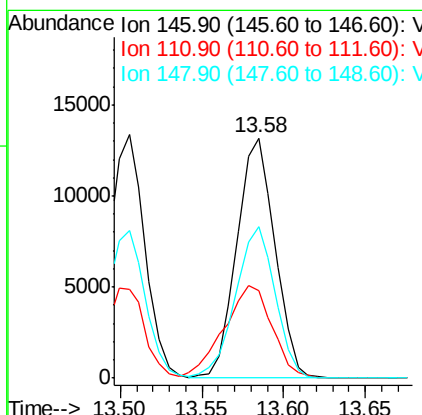
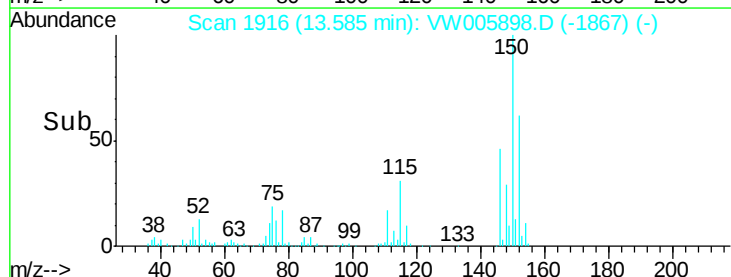
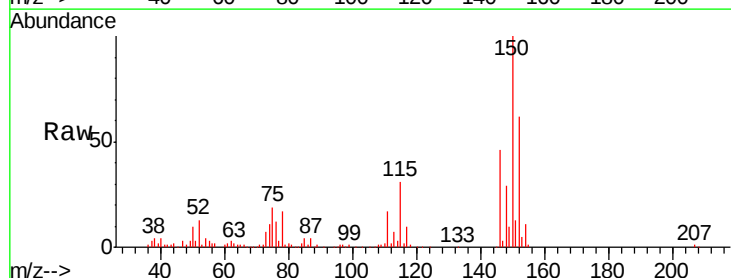
RT: 13.58 min Scan# 1916

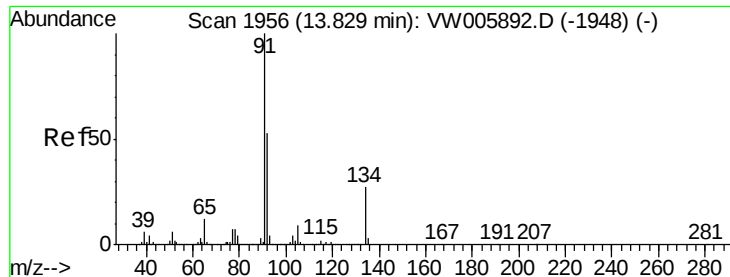
Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	146	Resp:	21491
Ion Ratio	Lower	Upper	
146	100		
111	48.7	19.0	57.0
148	65.6	32.0	96.2





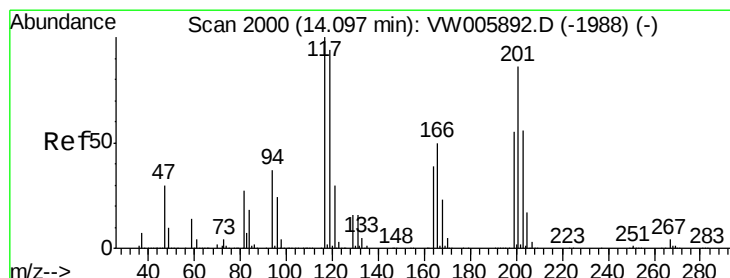
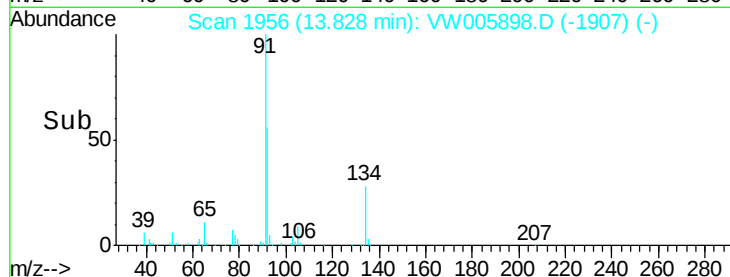
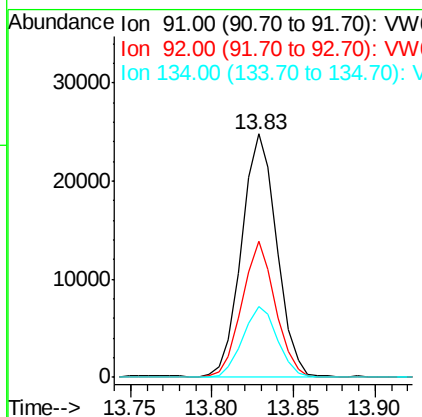
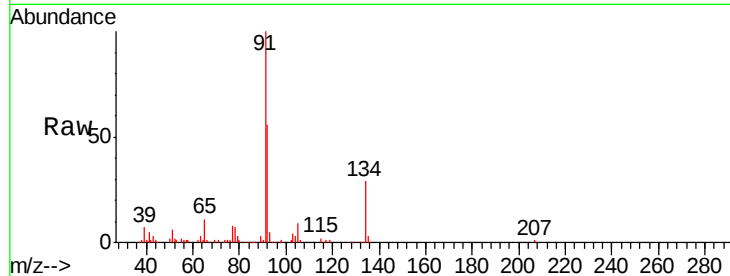
#89
n-Butylbenzene
Concen: 2.54 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.8
134	29.1	13.8	41.4

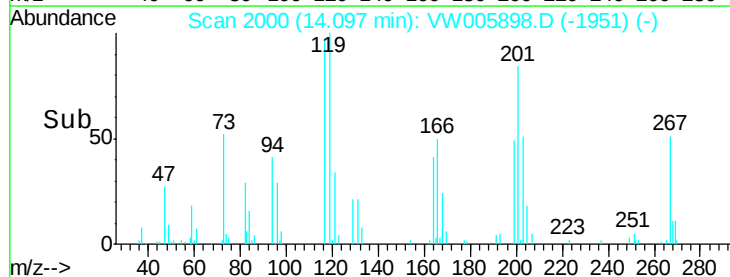
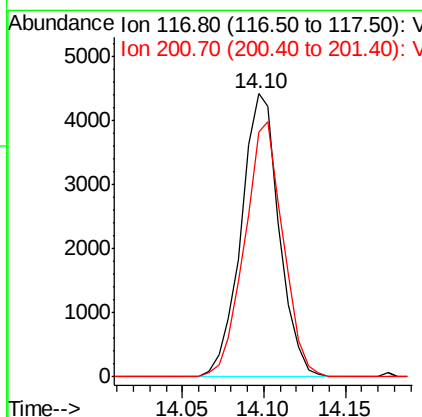
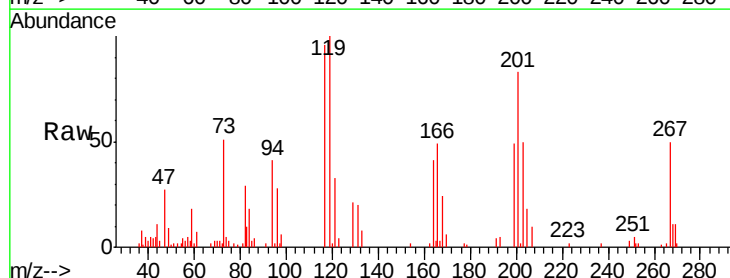
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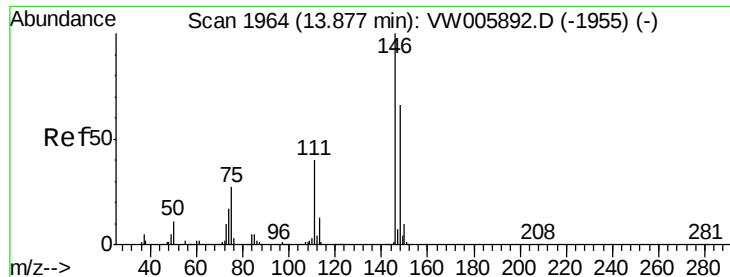
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#90
Hexachloroethane
Concen: 2.47 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	44.5	133.5





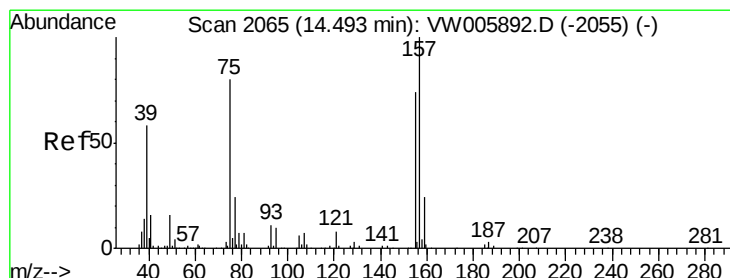
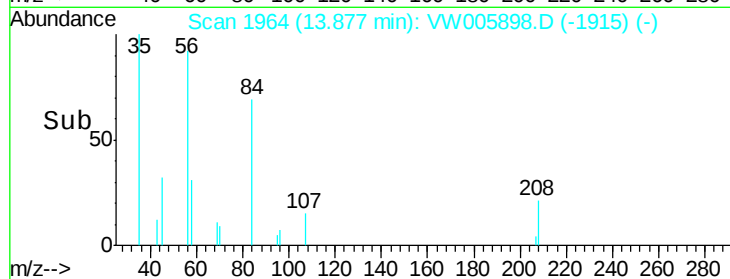
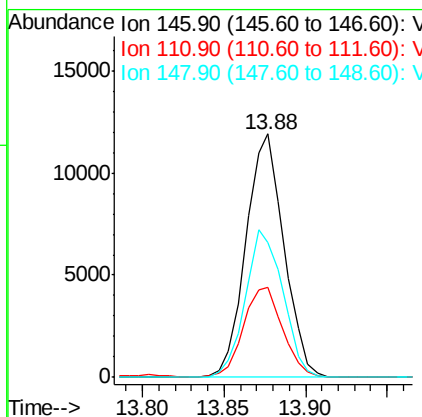
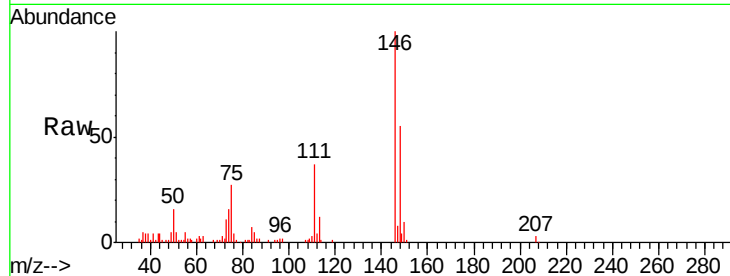
#91
 1,2-Dichlorobenzene
 Concen: 2.84 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.3	61.0
148	59.9	32.5	97.4

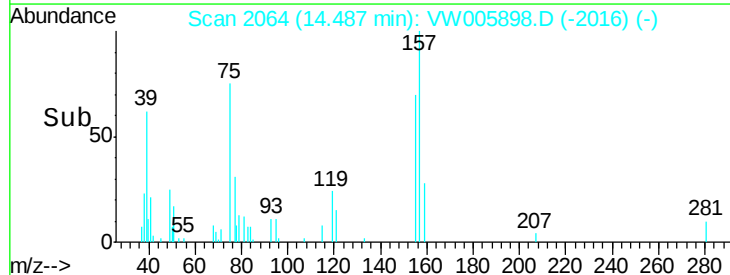
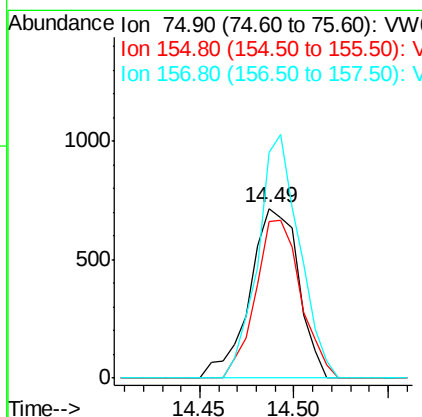
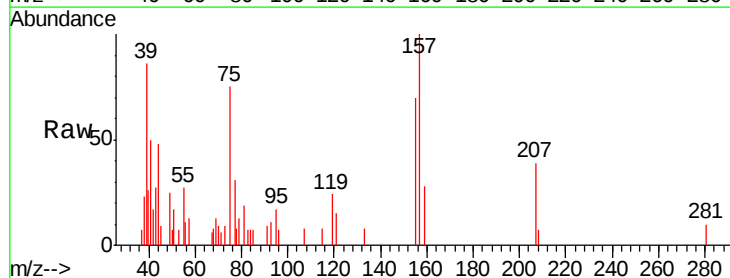
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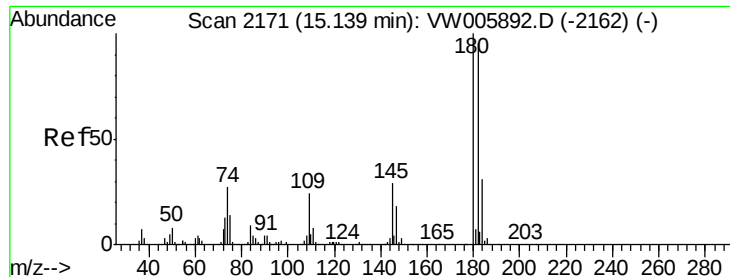
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.58 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	44.8	134.3
157	121.8	58.9	176.6





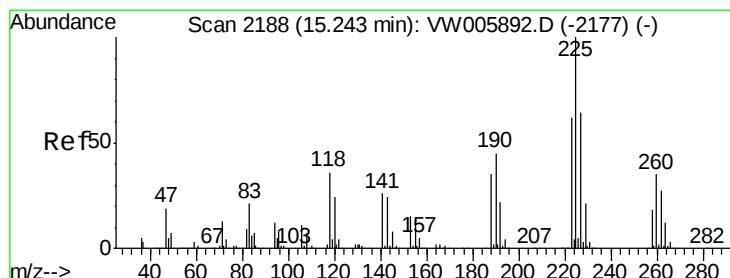
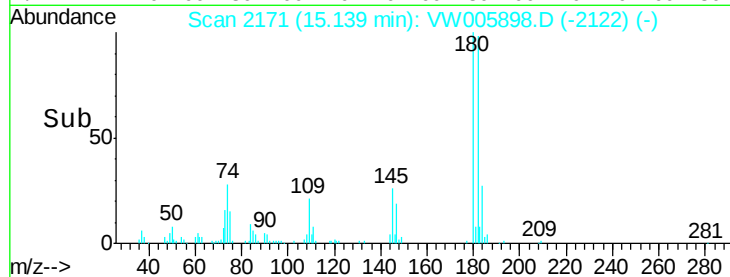
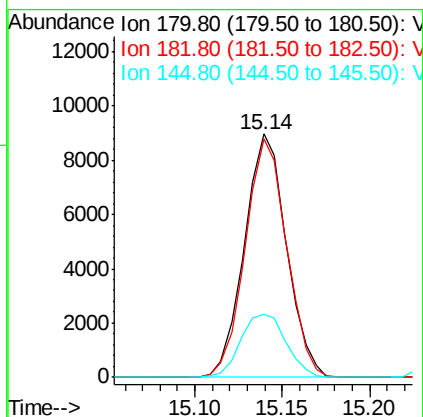
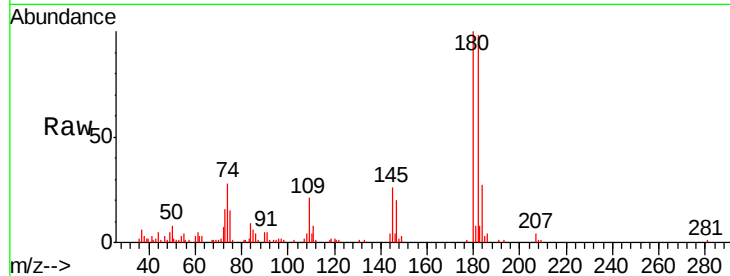
#93
 1,2,4-Trichlorobenzene
 Concen: 2.84 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.8	143.3
145	28.1	14.5	43.6

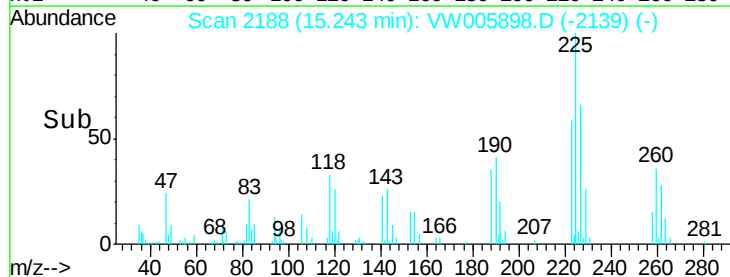
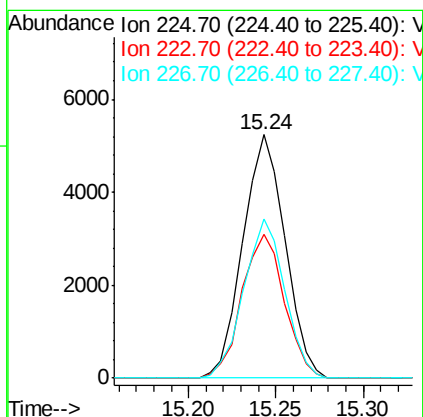
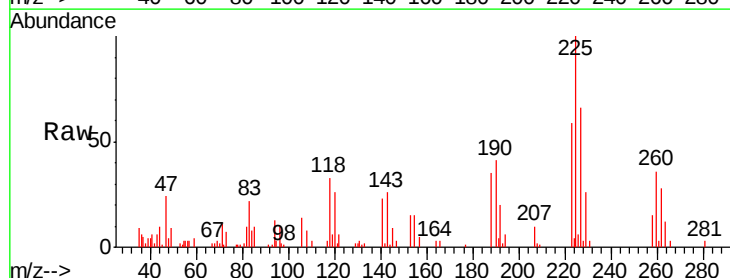
Manual Integrations
 APPROVED

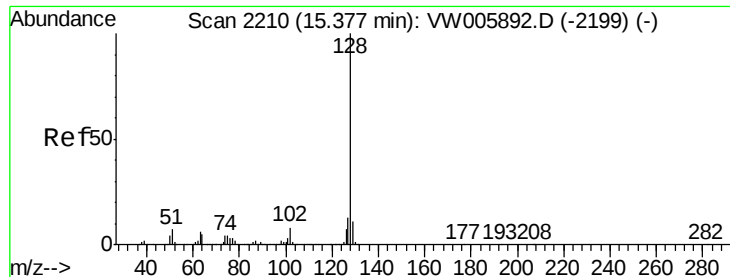
apatel
 10/9/2018 4:24:05 PM



#94
 Hexachlorobutadiene
 Concen: 2.67 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	31.2	93.6
227	63.6	31.9	95.9





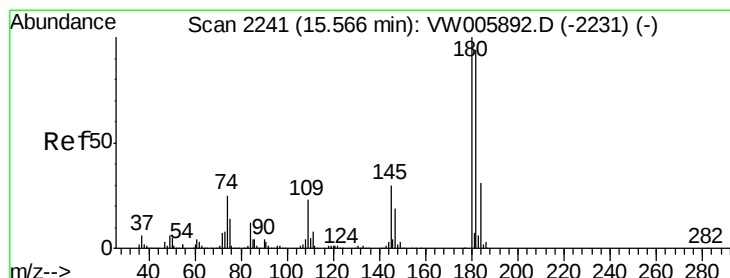
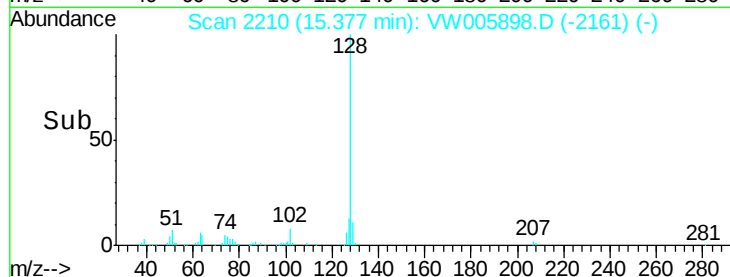
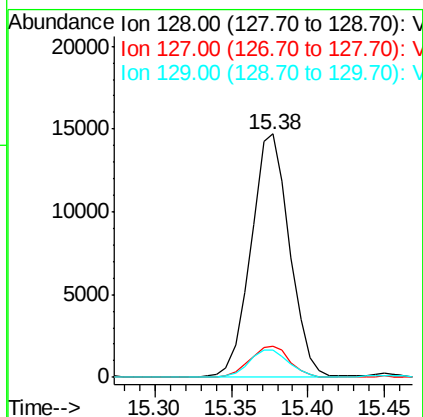
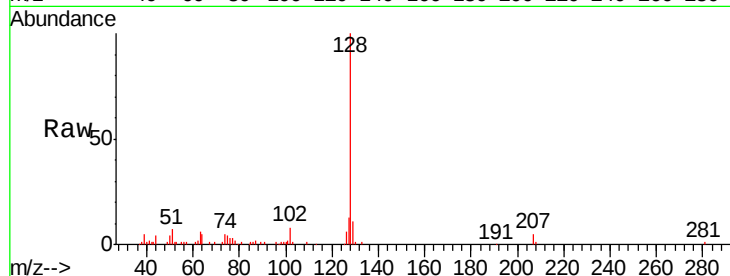
#95
Naphthalene
Concen: 2.83 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.7	8.9	13.3

Manual Integrations
APPROVED

apatel
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#96
1,2,3-Trichlorobenzene
Concen: 2.79 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.6	142.8
145	30.7	15.3	45.9

