

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
 Data File : VW005900.D
 Acq On : 08 Oct 2018 17:17
 Operator : SY/AP
 Sample : J5164-03MDL
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Manual Integrations
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 10/9/2018 4:26:31 PM

Quant Time: Oct 09 07:17:54 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	304568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	444729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	220030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	148758	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	7.88	113	144472	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.33	98	563823	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.62	95	208915	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	3197	2.14	ug/l	98
3) Chloromethane	2.21	50	5538	3.15	ug/l	97
4) Vinyl Chloride	2.37	62	7251	2.60	ug/l	99
5) Bromomethane	2.78	94	6321	2.87	ug/l	88
6) Chloroethane	2.92	64	4502	2.54	ug/l	97
7) Trichlorofluoromethane	3.25	101	5131	2.32	ug/l	91
8) Diethyl Ether	3.68	74	3792	2.78	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	6404	2.29	ug/l	95
10) Methyl Iodide	4.27	142	10679	2.34	ug/l #	94
11) Tert butyl alcohol	5.23	59	3008	13.88	ug/l #	74
12) 1,1-Dichloroethene	4.04	96	6394	2.38	ug/l	87
13) Acrolein	3.89	56	2468	12.78	ug/l	88
14) Allyl chloride	4.67	41	10681	2.34	ug/l	96
15) Acrylonitrile	5.39	53	7158	12.08	ug/l	98
16) Acetone	4.14	43	8962	15.18	ug/l	92
17) Carbon Disulfide	4.38	76	19101	2.36	ug/l	97
18) Methyl Acetate	4.68	43	3882	2.60	ug/l #	89
19) Methyl tert-butyl Ether	5.43	73	10517	2.52	ug/l	92
20) Methylene Chloride	4.92	84	14283	4.83	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	7513	2.57	ug/l	95
22) Diisopropyl ether	6.31	45	19911	2.33	ug/l	96
23) Vinyl Acetate	6.26	43	58787	11.17	ug/l	99
24) 1,1-Dichloroethane	6.22	63	12494	2.39	ug/l	98
25) 2-Butanone	7.18	43	10538	12.55	ug/l	98
26) 2,2-Dichloropropane	7.17	77	11717	3.18	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	8430	2.55	ug/l	95
28) Bromochloromethane	7.51	49	5113	2.65	ug/l	91
29) Tetrahydrofuran	7.54	42	6706	12.63	ug/l	95
30) Chloroform	7.68	83	13048	2.43	ug/l	98
31) Cyclohexane	7.95	56	17532	3.39	ug/l #	75
32) 1,1,1-Trichloroethane	7.88	97	11833	2.47	ug/l	97
36) 1,1-Dichloropropene	8.09	75	10260	2.41	ug/l	94
37) Ethyl Acetate	7.26	43	4631	2.57	ug/l #	88
38) Carbon Tetrachloride	8.07	117	10602	2.32	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	14066	2.50	ug/l	96
40) Benzene	8.33	78	28873	2.48	ug/l	99
41) Methacrylonitrile	7.49	41	2380	2.11	ug/l #	78
42) 1,2-Dichloroethane	8.40	62	8341	2.37	ug/l	94
43) Isopropyl Acetate	8.43	43	8738	2.32	ug/l	99
44) Trichloroethene	9.10	130	8467	2.50	ug/l	96
45) 1,2-Dichloropropane	9.37	63	6960	2.38	ug/l	92
46) Dibromomethane	9.46	93	4139	2.58	ug/l	96
47) Bromodichloromethane	9.65	83	9635	2.39	ug/l	99
48) Methyl methacrylate	9.44	41	5052	2.81	ug/l	89
49) 1,4-Dioxane	9.47	88	1180	48.42	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	24023	13.09	ug/l	99
52) Toluene	10.39	92	19006	2.48	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	9569	2.27	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	11223	2.37	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	5457	2.46	ug/l	96
56) Ethyl methacrylate	10.65	69	7288	2.43	ug/l	93
57) 1,3-Dichloropropane	10.93	76	9061	2.42	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	15057	12.35	ug/l	99
59) 2-Hexanone	10.98	43	15619	11.87	ug/l	99
60) Dibromochloromethane	11.13	129	6618	2.31	ug/l	100
61) 1,2-Dibromoethane	11.24	107	5354	2.41	ug/l	96
64) Tetrachloroethene	10.87	164	7368	2.41	ug/l	96
65) Chlorobenzene	11.66	112	21112	2.40	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.73	131	7770	2.41	ug/l	97
67) Ethyl Benzene	11.74	91	37007	2.39	ug/l	99
68) m/p-Xylenes	11.84	106	29141	4.81	ug/l	98
69) o-Xylene	12.17	106	13458	2.32	ug/l	99
70) Styrene	12.19	104	22535	2.34	ug/l	98
71) Bromoform	12.35	173	4313	2.25	ug/l #	99
73) Isopropylbenzene	12.47	105	37122	2.31	ug/l	100
74) N-amyl acetate	12.28	43	9014	2.36	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	6565	2.49	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	4715m	2.40	ug/l	
77) Bromobenzene	12.75	156	9302	2.44	ug/l	100
78) n-propylbenzene	12.81	91	43369	2.29	ug/l	100
79) 2-Chlorotoluene	12.90	91	25174	2.36	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	31919	2.35	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	2099m	2.25	ug/l	
82) 4-Chlorotoluene	12.99	91	26686	2.38	ug/l	99
83) tert-Butylbenzene	13.21	119	27841	2.31	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	32336	2.36	ug/l	100
85) sec-Butylbenzene	13.39	105	39967	2.36	ug/l	99
86) p-Isopropyltoluene	13.51	119	35962	2.36	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	18077	2.39	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	18790	2.50	ug/l	89
89) n-Butylbenzene	13.83	91	33929	2.36	ug/l	98
90) Hexachloroethane	14.10	117	6246	2.18	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	16501	2.46	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1110	2.26	ug/l	97

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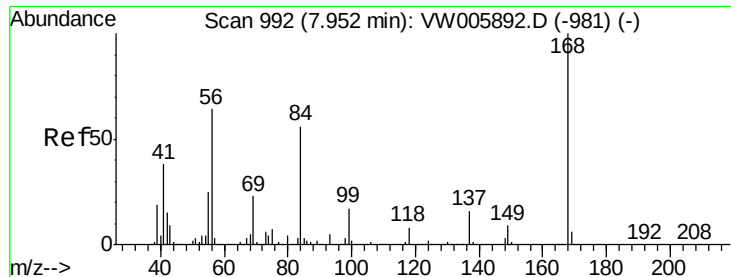
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	12562	2.41	ug/l	99
94) Hexachlorobutadiene	15.24	225	7554	2.32	ug/l	96
95) Naphthalene	15.38	128	21904	2.44	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	11185	2.48	ug/l	100

(#) = 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: VW005900.D

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Instrument :

MSVOA_W

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MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 168 Resp: 304568

Ion Ratio Lower Upper

168 100

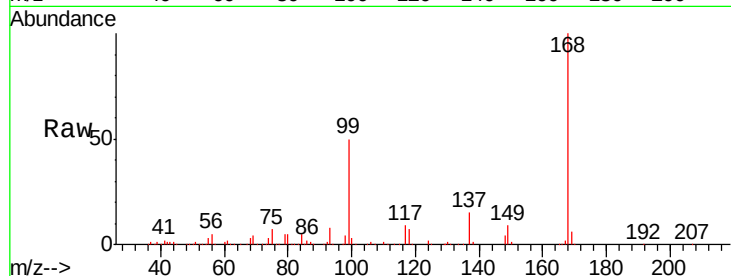
99 49.9 40.9 61.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

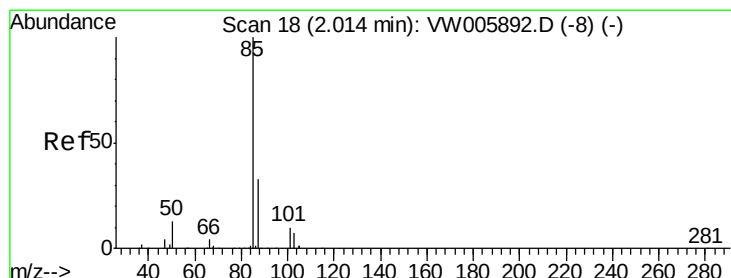
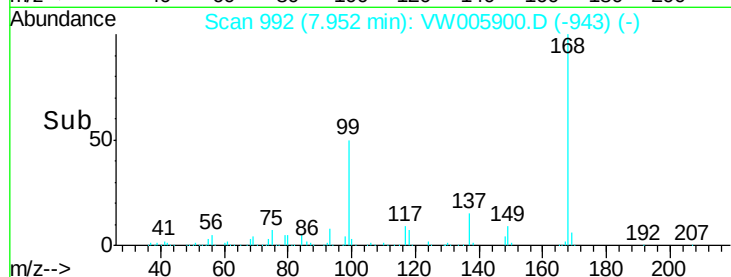
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 2.14 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005900.D

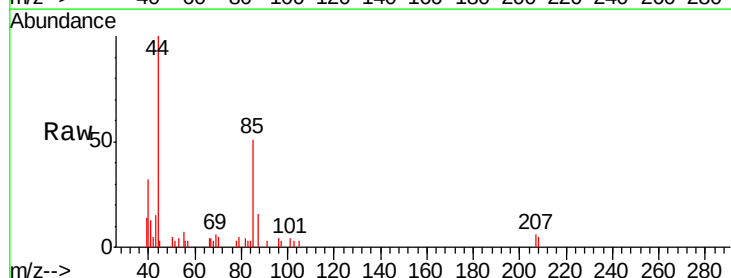
Acq: 08 Oct 2018 17:17

Tgt Ion: 85 Resp: 3197

Ion Ratio Lower Upper

85 100

87 32.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

1000

800

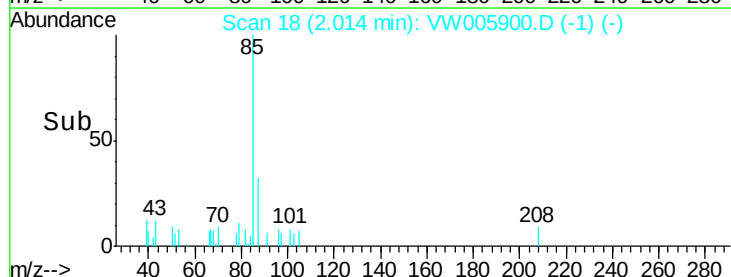
600

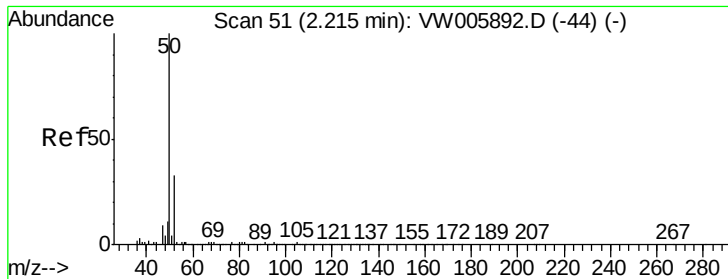
400

200

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 3.15 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Tgt Ion: 50 Resp: 5538

Ion Ratio Lower Upper

50 100

52 35.1 26.7 40.1

Instrument :

MSVOA_W

ClientSampleId :

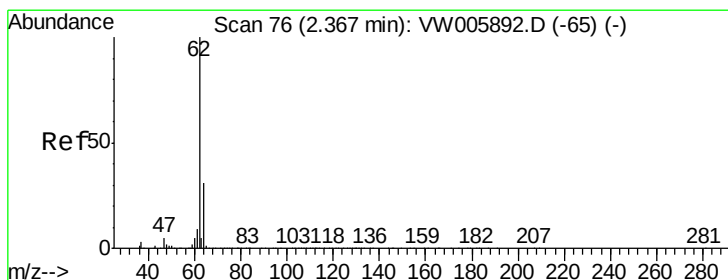
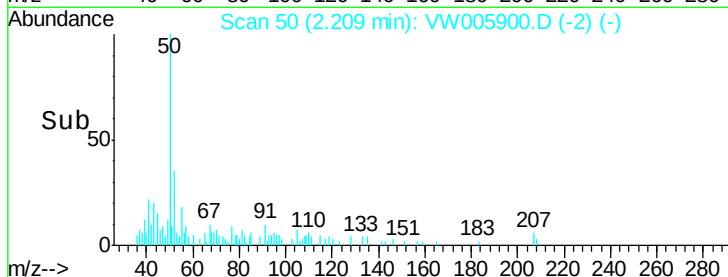
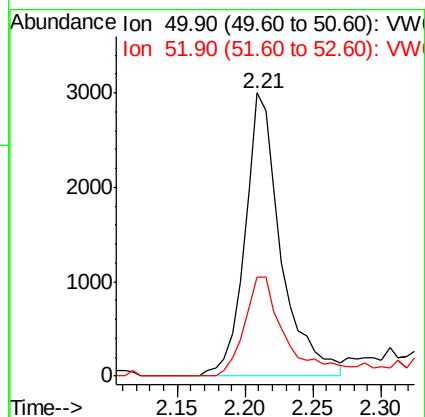
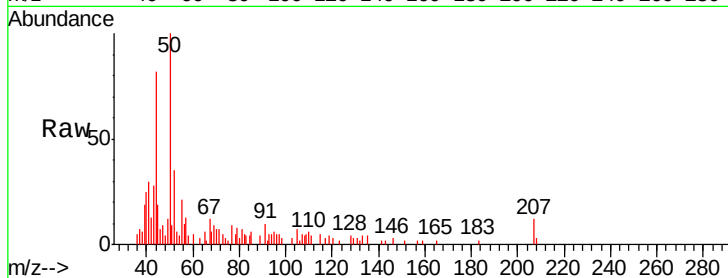
MDL-MDL-SOIL-03-QT4-2018DL

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.60 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005900.D

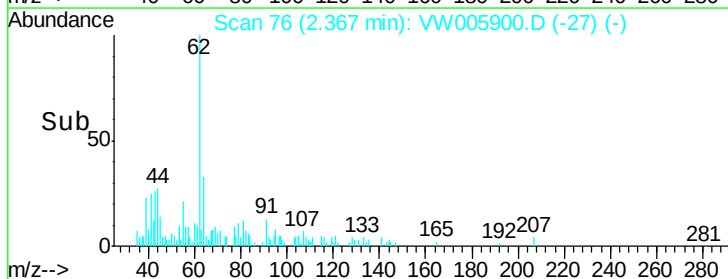
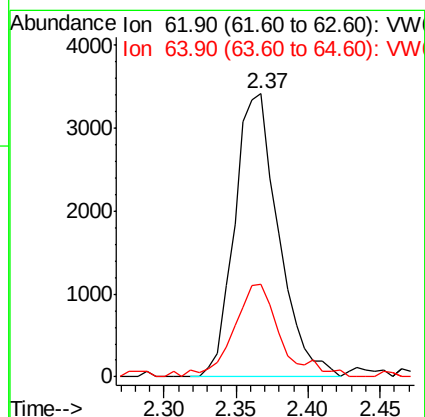
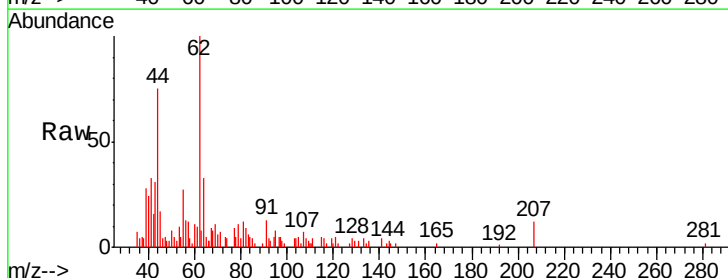
Acq: 08 Oct 2018 17:17

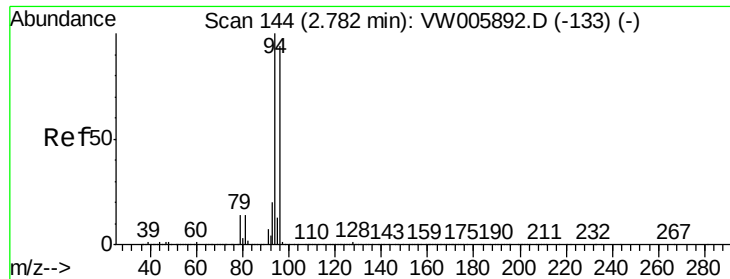
Tgt Ion: 62 Resp: 7251

Ion Ratio Lower Upper

62 100

64 30.3 24.6 36.8





#5

Bromomethane

Concen: 2.87 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 94 Resp: 6321

Ion Ratio Lower Upper

94 100

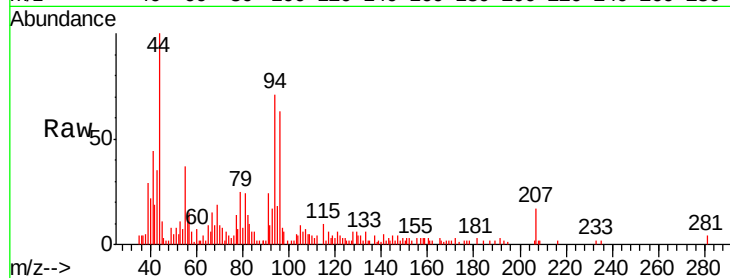
96 81.9 75.0 112.4

Manual Integrations

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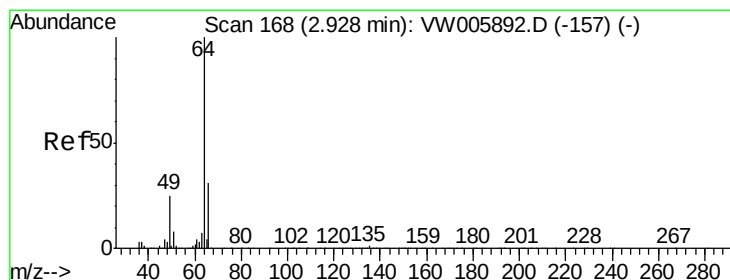
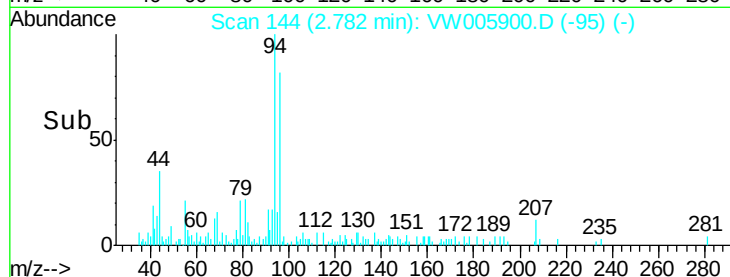
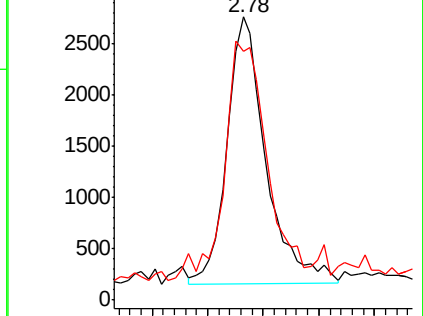
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 2.54 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW005900.D

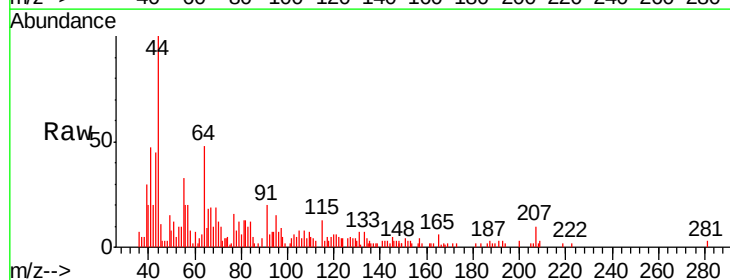
Acq: 08 Oct 2018 17:17

Tgt Ion: 64 Resp: 4502

Ion Ratio Lower Upper

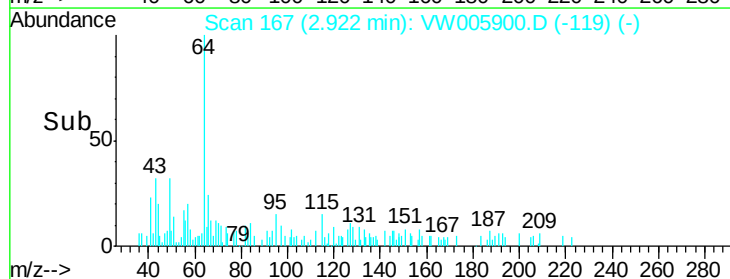
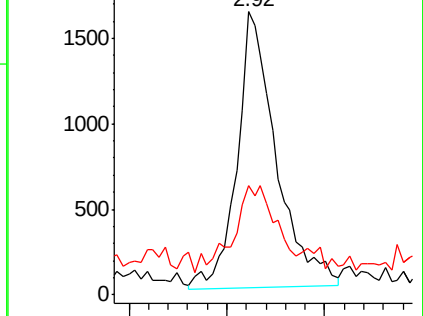
64 100

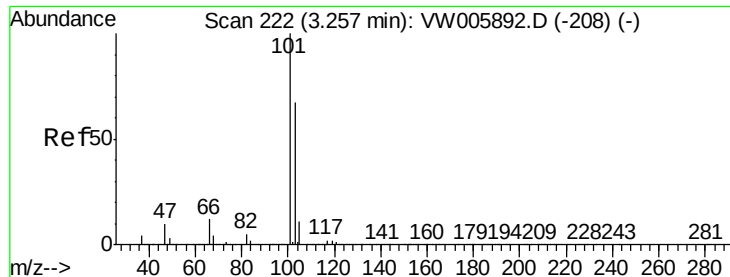
66 29.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

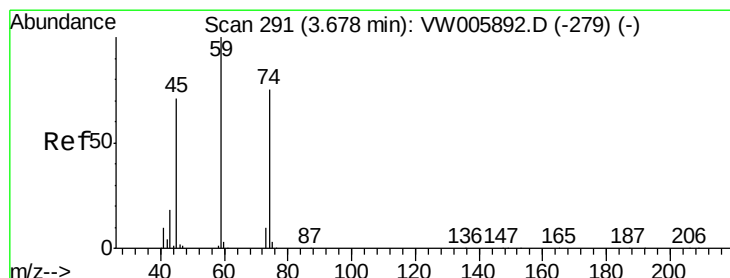
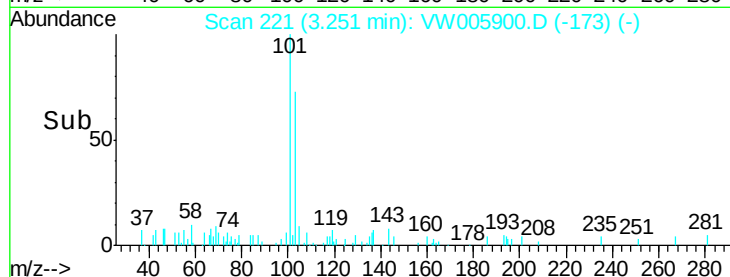
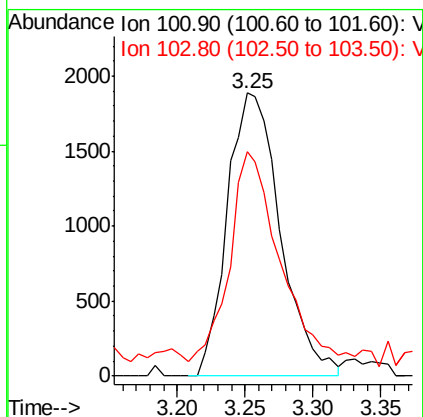
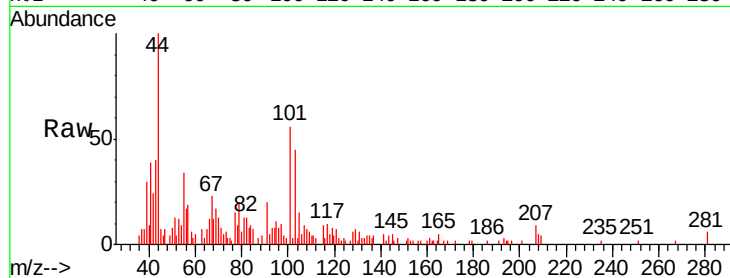
Trichlorofluoromethane
Concen: 2.32 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW005900.D
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	5131		
103	74.3	53.5	53.5	80.3

Manual Integrations
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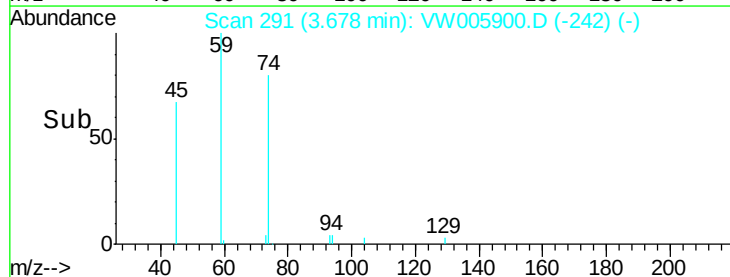
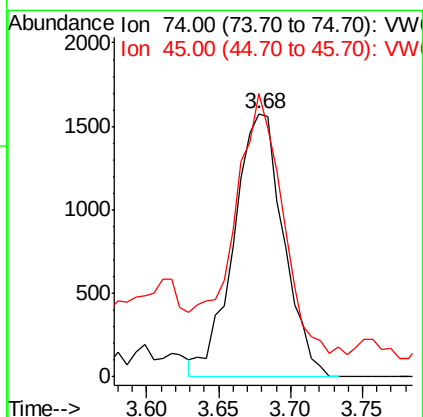
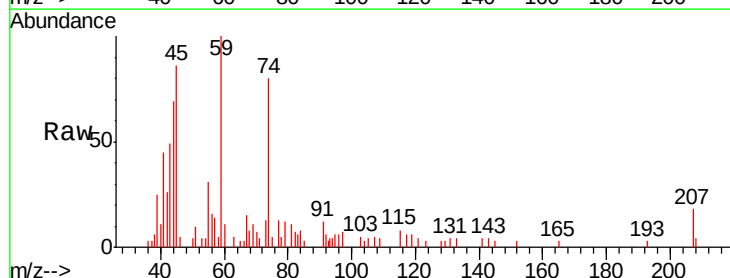
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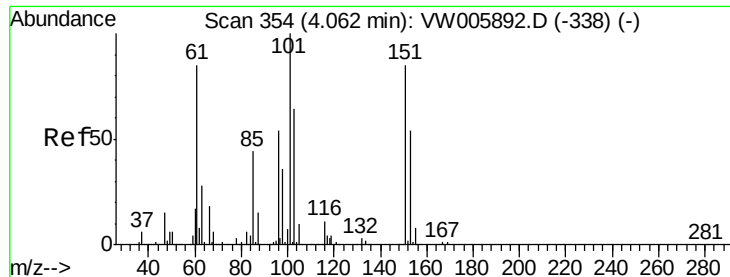


#8

Diethyl Ether
Concen: 2.78 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	3792		
45	91.9	46.8	46.8	140.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.29 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

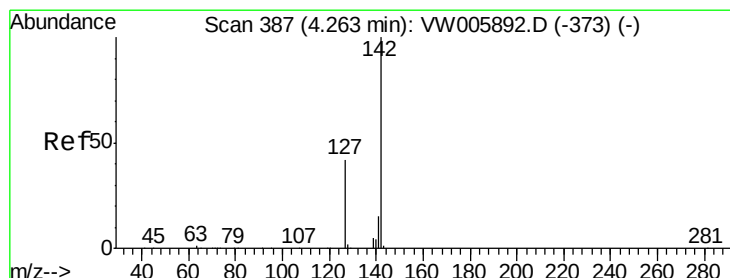
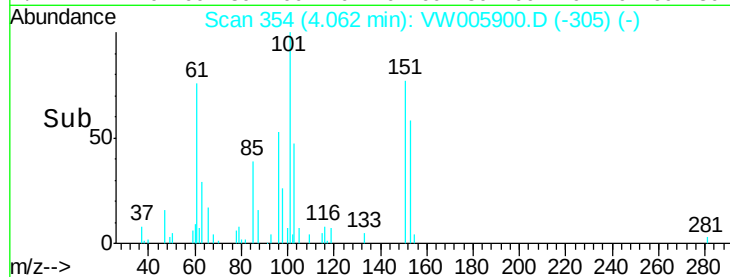
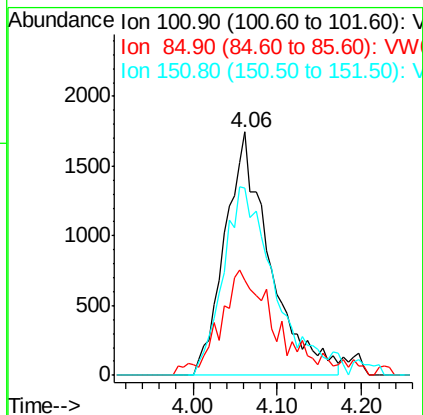
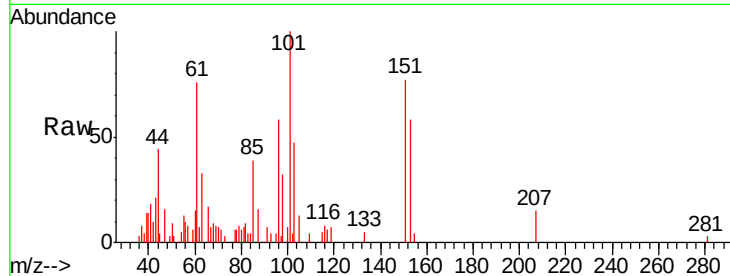
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion:	101	Resp:	6404
Ion Ratio	Lower	Upper	
101	100		
85	50.8	35.1	52.7
151	86.5	67.7	101.5

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#10

Methyl Iodide

Concen: 2.34 ug/l

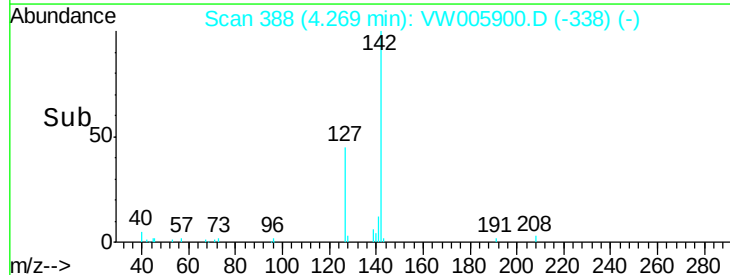
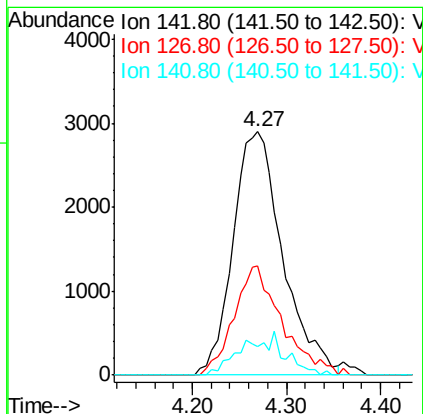
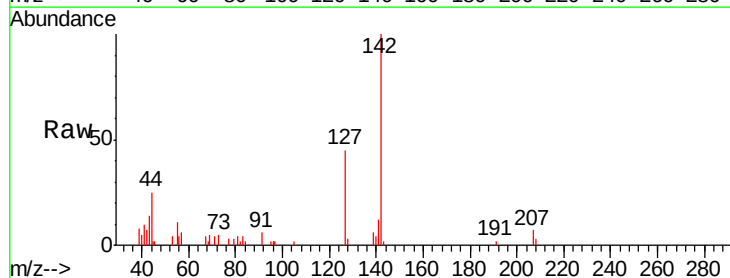
RT: 4.27 min Scan# 388

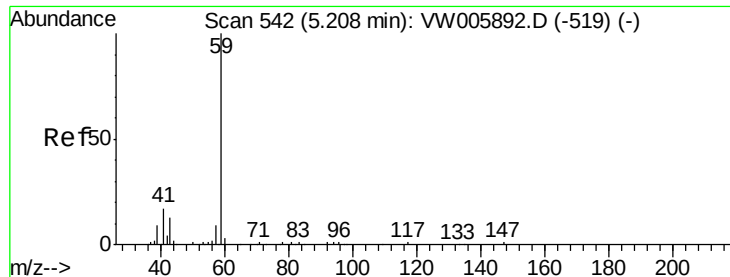
Delta R.T. 0.01 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Tgt Ion:	142	Resp:	10679
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.7	50.5
141	7.3	11.5	17.3#





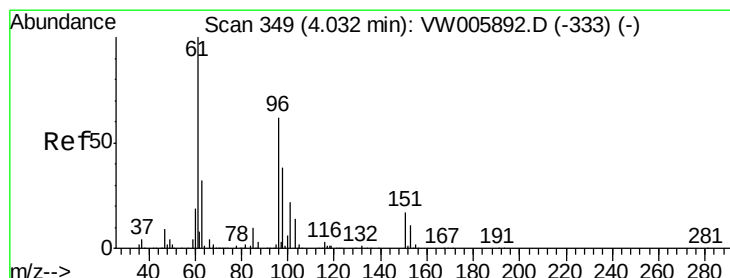
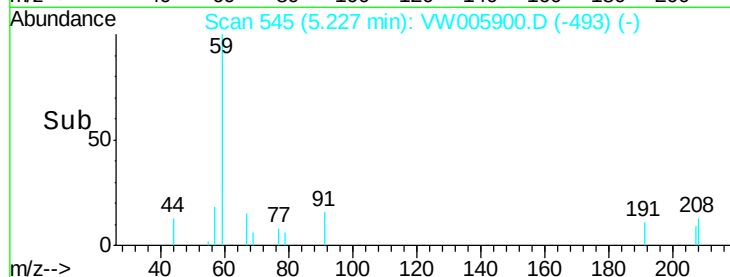
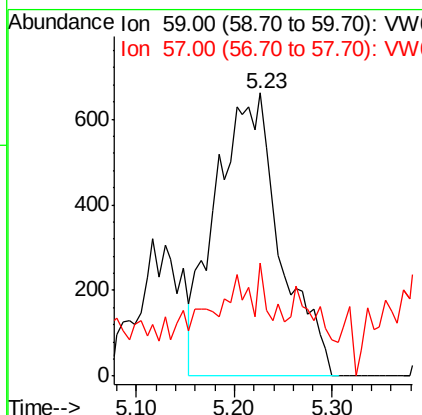
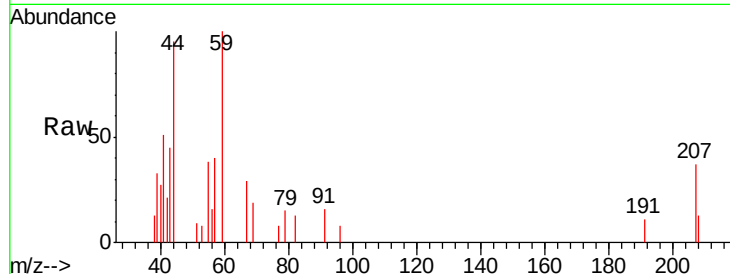
#11
Tert butyl alcohol
Concen: 13.88 ug/l
RT: 5.23 min Scan# 545
Delta R.T. 0.02 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 59 Resp: 3008
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

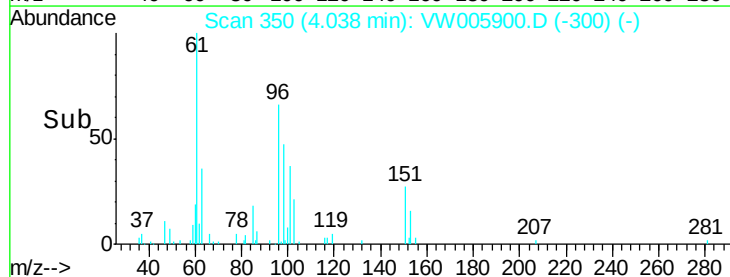
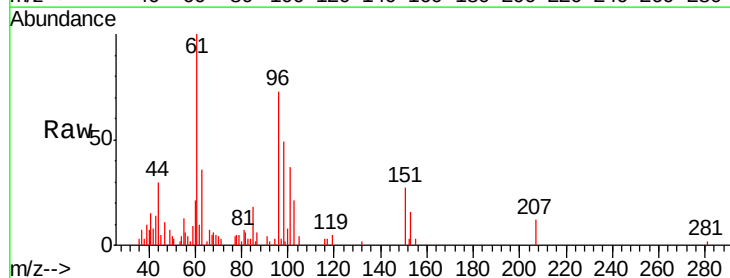
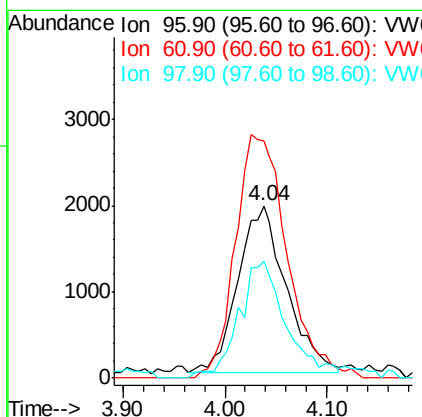
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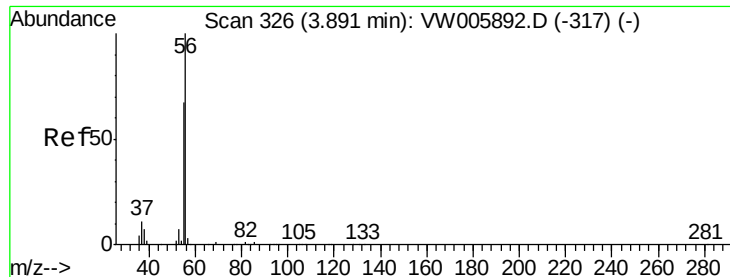
apatel
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#12
1,1-Dichloroethene
Concen: 2.38 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion: 96 Resp: 6394
Ion Ratio Lower Upper
96 100
61 142.2 128.6 193.0
98 70.3 49.4 74.0





#13

Acrolein

Concen: 12.78 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 56 Resp: 2468

Ion Ratio Lower Upper

56 100

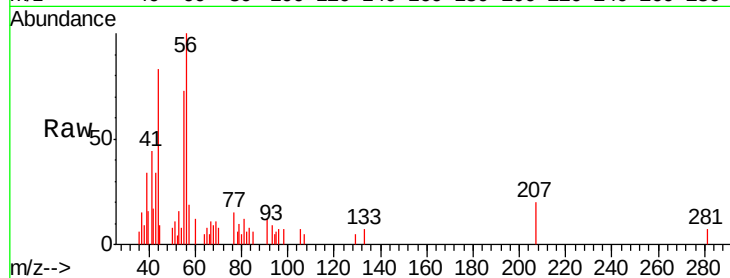
55 78.2 54.6 82.0

Manual Integrations

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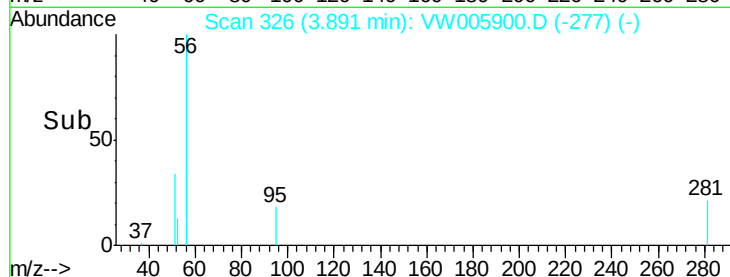
10/9/2018 4:26:31 PM



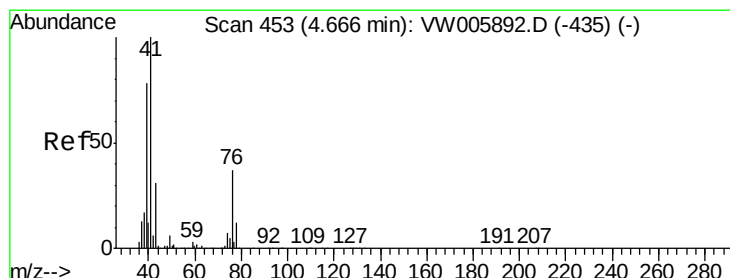
Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

Time-->



Time-->



#14

Allyl chloride

Concen: 2.34 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

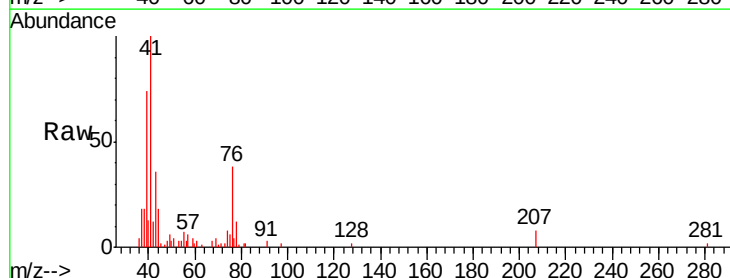
Tgt Ion: 41 Resp: 10681

Ion Ratio Lower Upper

41 100

39 71.6 60.8 91.2

76 37.6 29.6 44.4

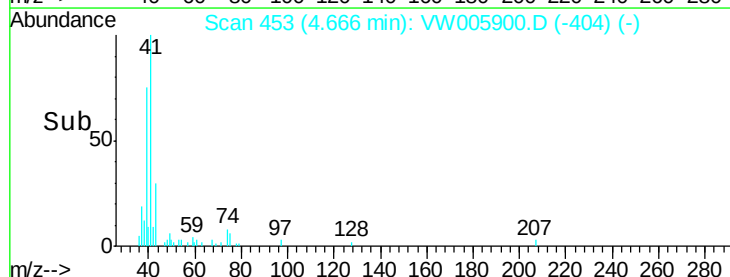


Abundance Ion 41.00 (40.70 to 41.70): VW

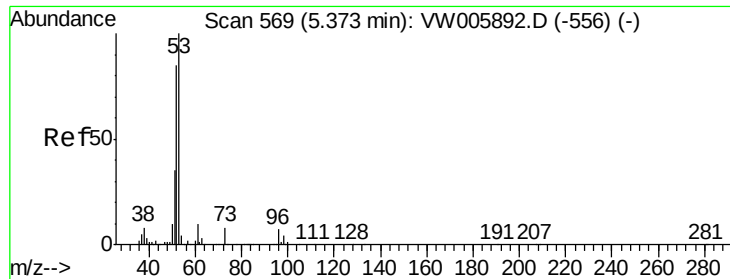
Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

Time-->



Time-->



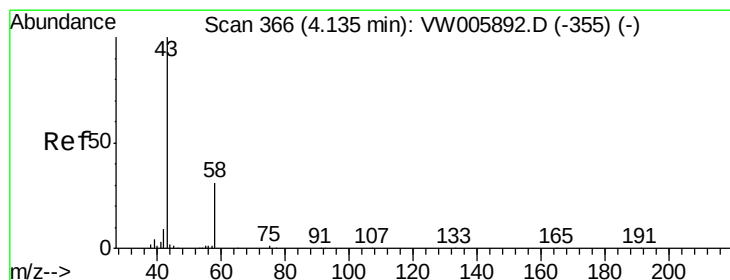
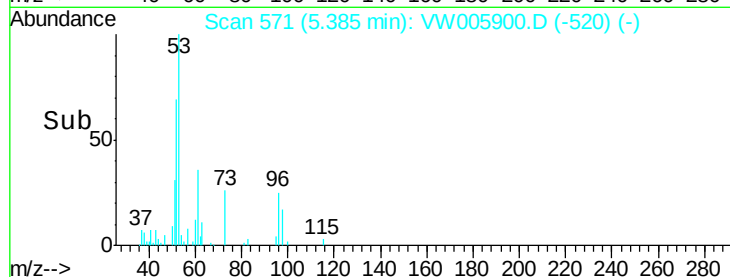
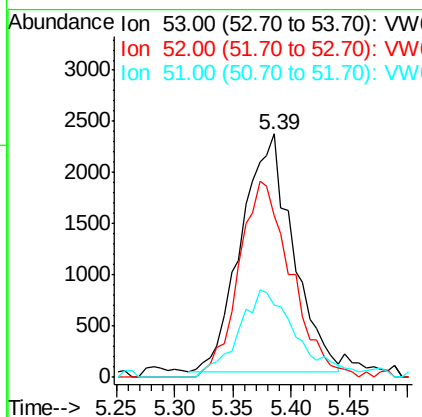
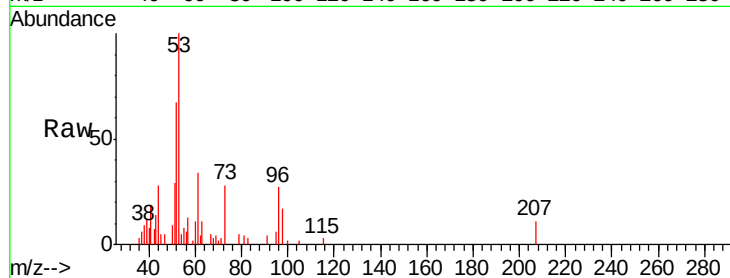
#15
 Acrylonitrile
 Concen: 12.08 ug/l
 RT: 5.39 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion:	53	Resp:	7158
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.8	100.2
51	41.2	29.8	44.6

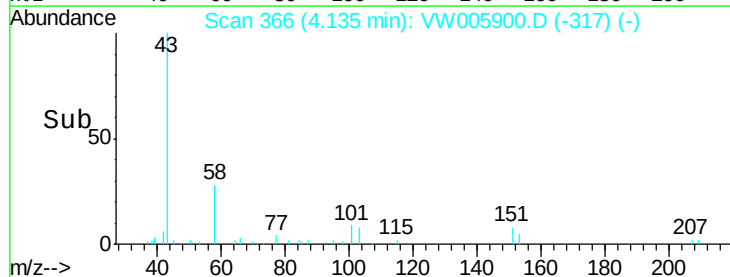
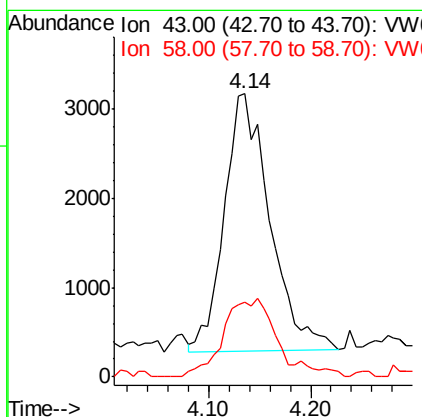
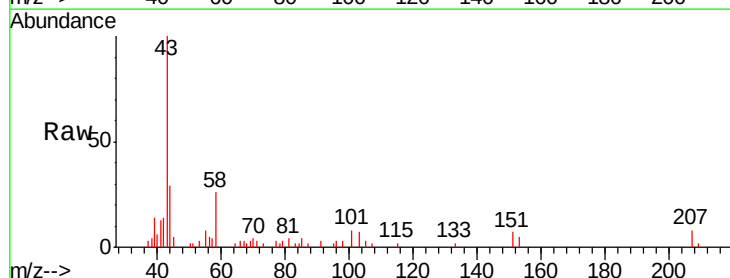
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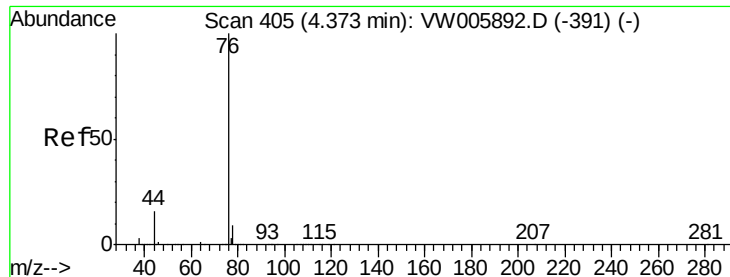
apatel
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#16
 Acetone
 Concen: 15.18 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Tgt Ion:	43	Resp:	8962
Ion	Ratio	Lower	Upper
43	100		
58	26.7	24.7	37.1





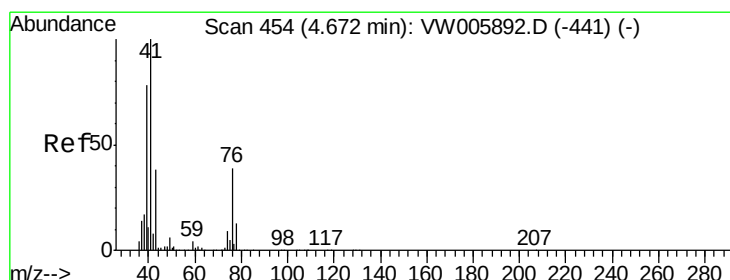
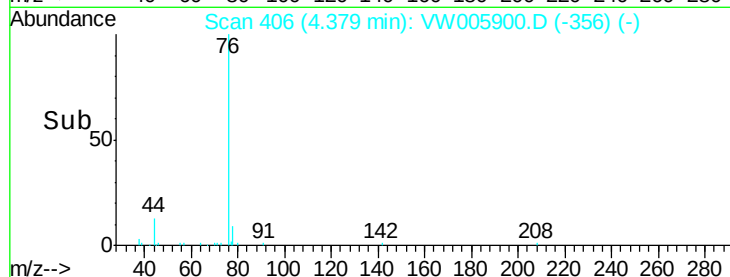
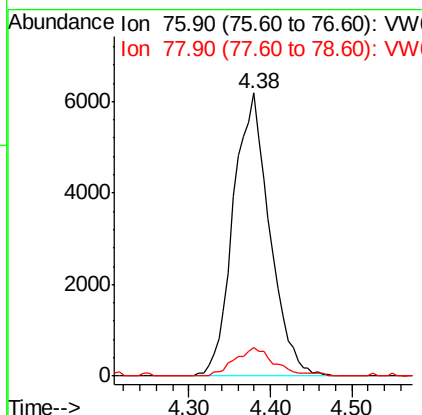
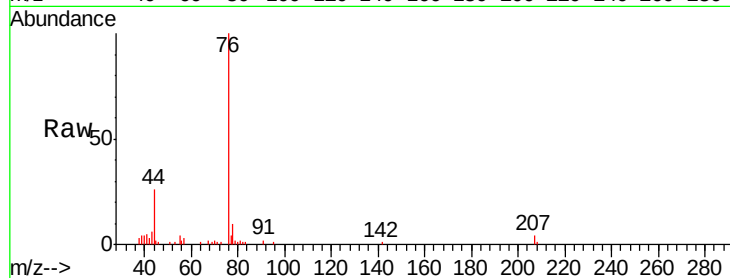
#17
Carbon Disulfide
Concen: 2.36 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.4	11.0

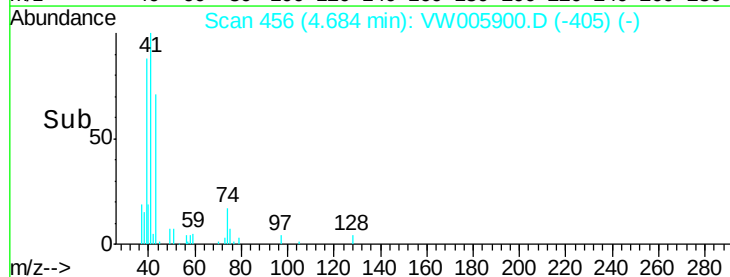
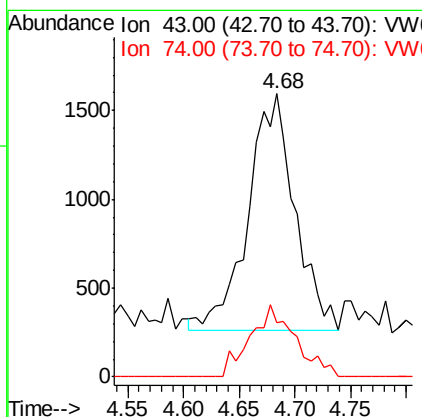
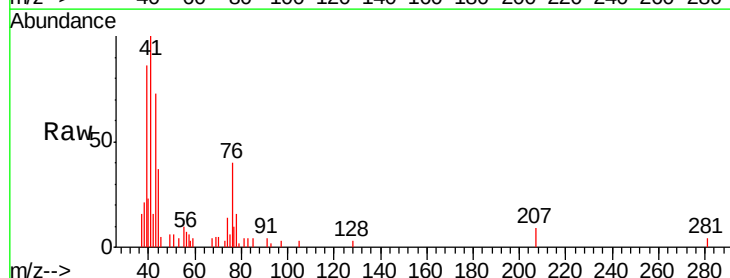
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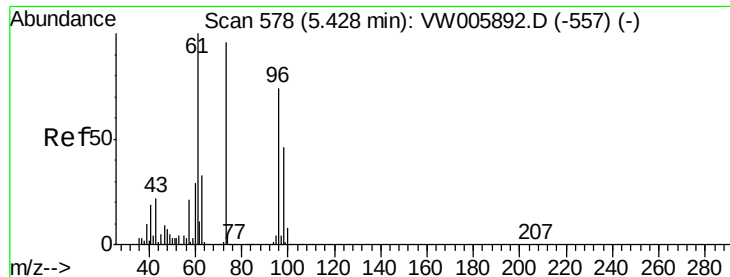
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#18
Methyl Acetate
Concen: 2.60 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.4	19.2	28.8#





#19

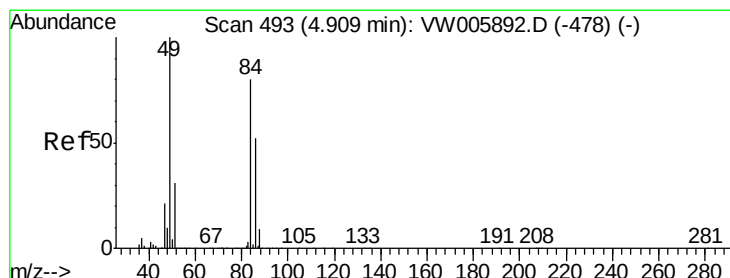
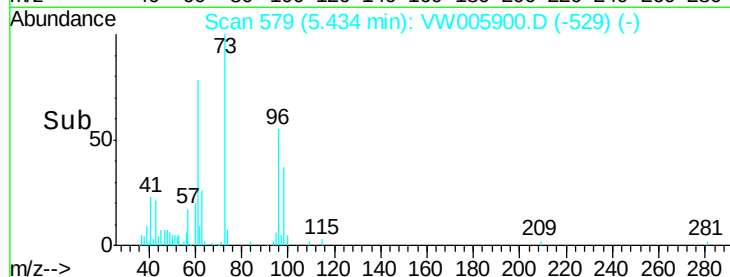
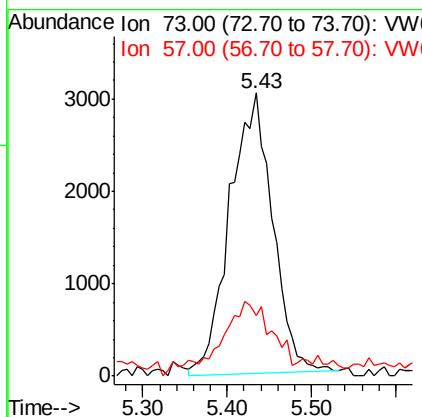
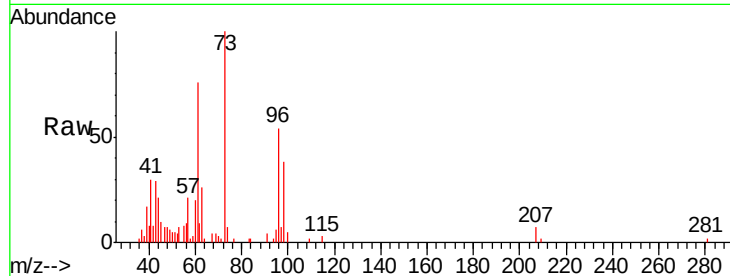
Methyl tert-butyl Ether
Concen: 2.52 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 73 Resp: 10517
Ion Ratio Lower Upper
73 100
57 18.1 17.7 26.5

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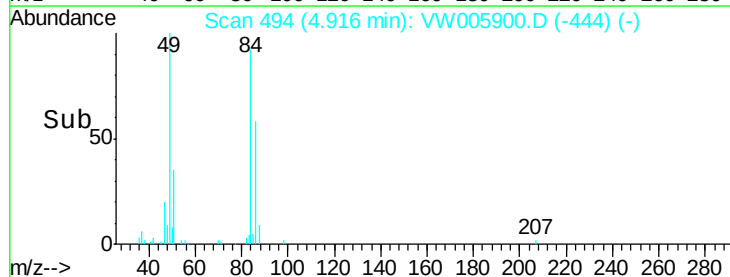
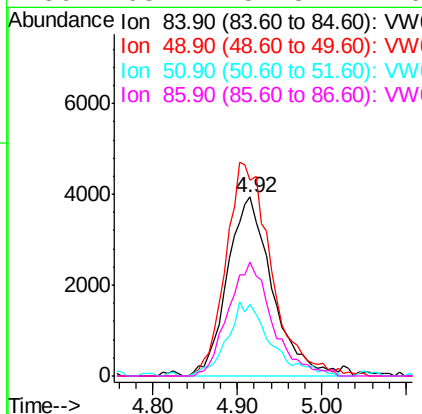
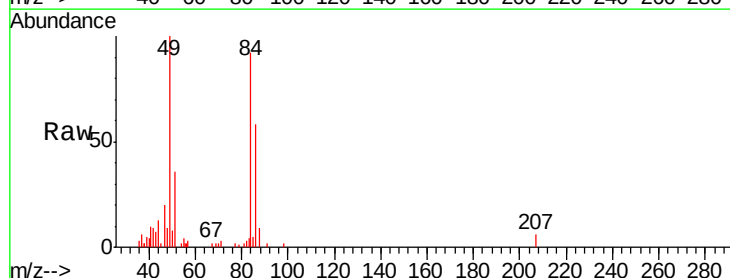
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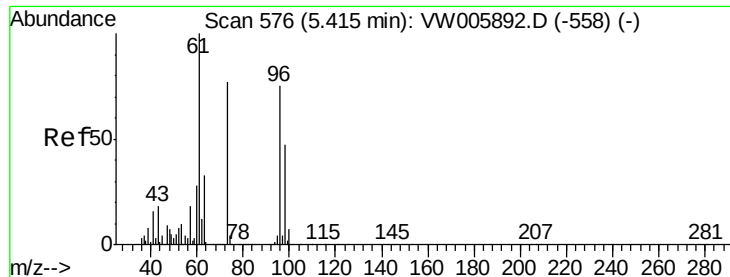


#20

Methylene Chloride
Concen: 4.83 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion: 84 Resp: 14283
Ion Ratio Lower Upper
84 100
49 109.2 99.9 149.9
51 39.8 31.1 46.7
86 63.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 2.57 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

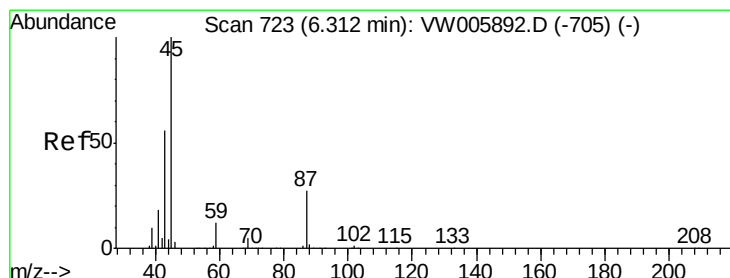
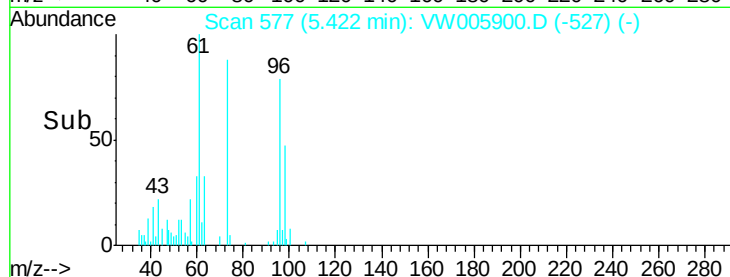
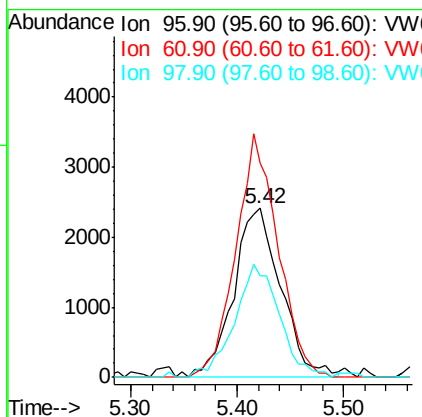
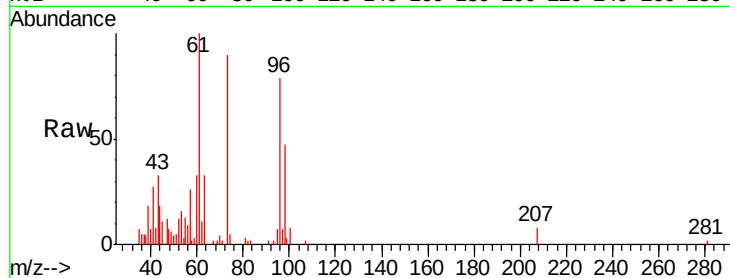
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion:	96	Resp:	7513
Ion	Ratio	Lower	Upper
96	100		
61	127.0	107.4	161.0
98	60.2	50.8	76.2

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#22

Diisopropyl ether

Concen: 2.33 ug/l

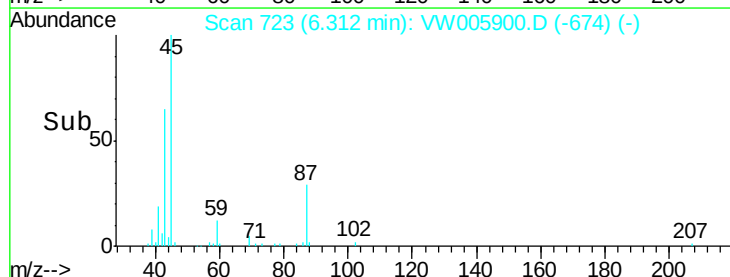
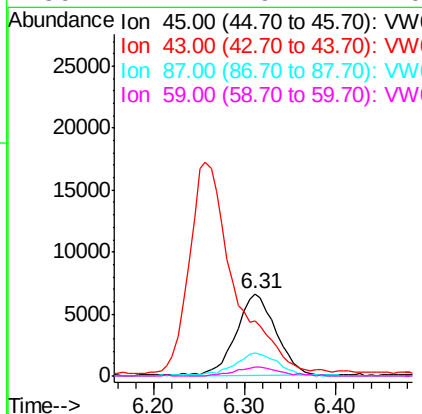
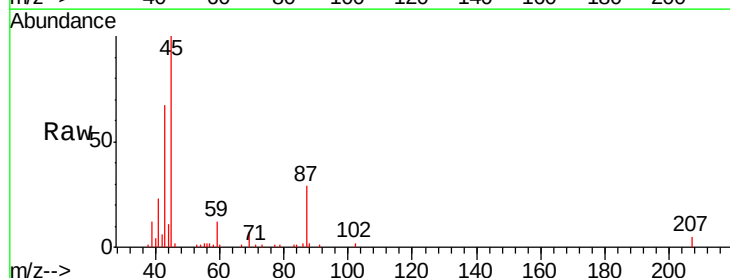
RT: 6.31 min Scan# 723

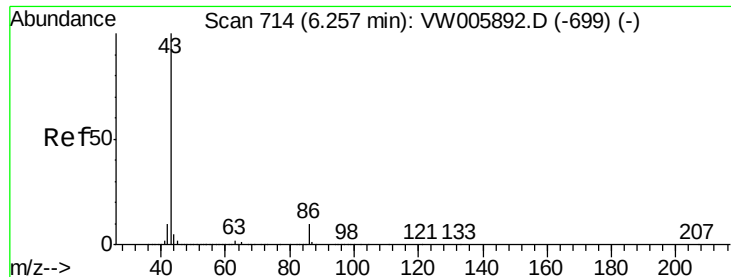
Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Tgt Ion:	45	Resp:	19911
Ion	Ratio	Lower	Upper
45	100		
43	61.9	45.9	68.9
87	28.8	22.2	33.4
59	11.7	9.4	14.0





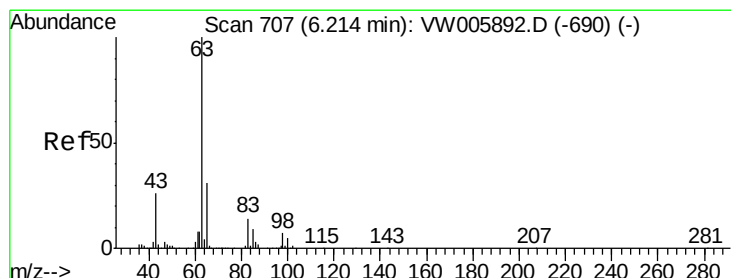
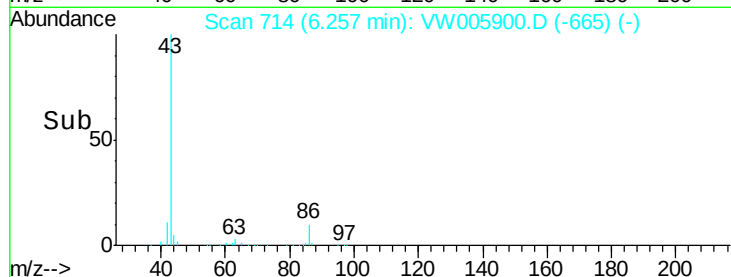
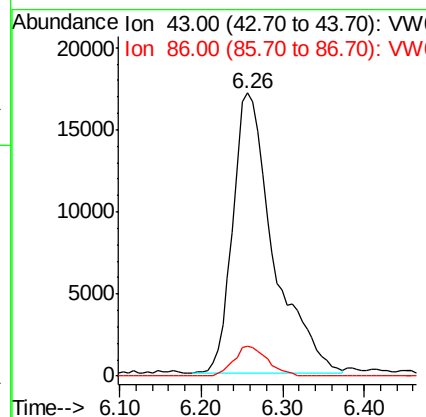
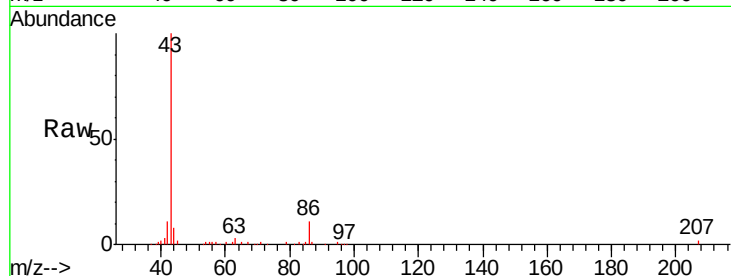
#23
 Vinyl Acetate
 Concen: 11.17 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	58787		
86	10.8		8.2	12.4

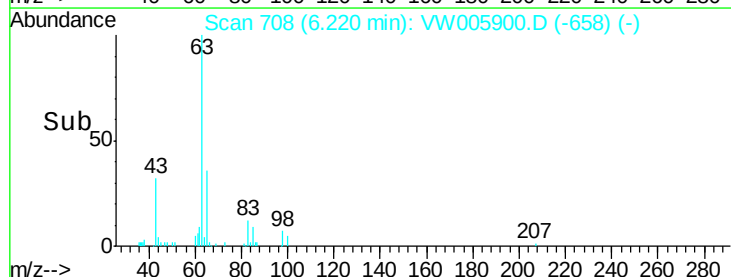
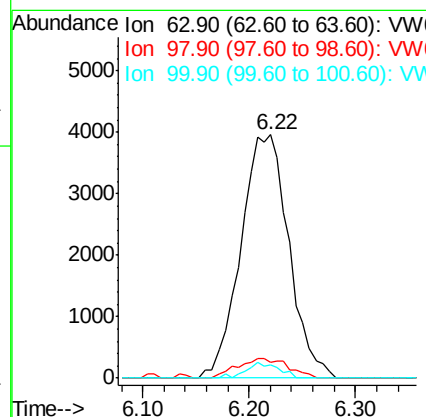
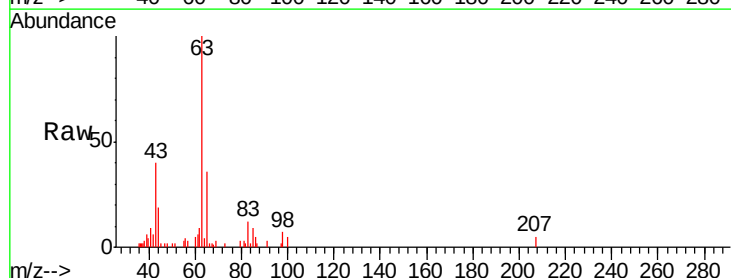
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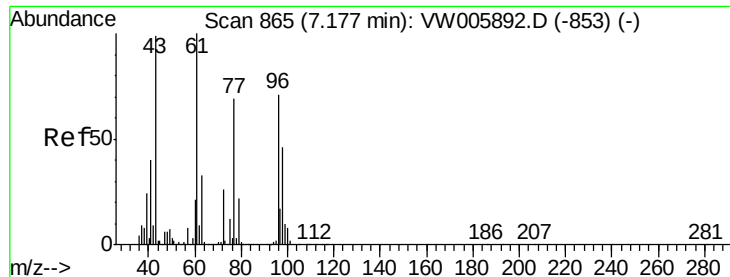
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#24
 1,1-Dichloroethane
 Concen: 2.39 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	12494		
98	6.7		3.5	10.6
100	5.3		2.4	7.1





#25

2-Butanone

Concen: 12.55 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 43 Resp: 10538

Ion Ratio Lower Upper

43 100

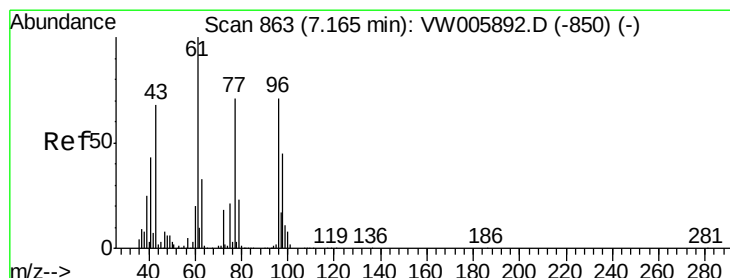
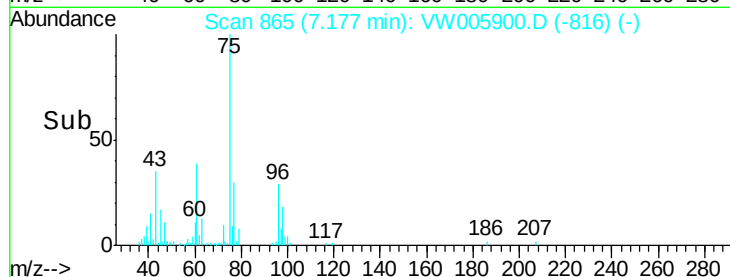
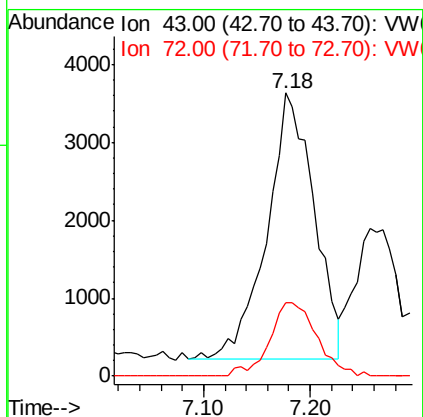
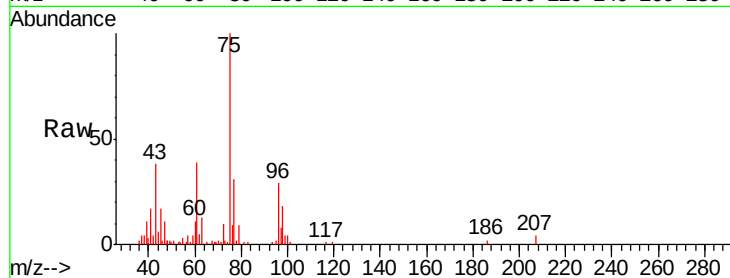
72 27.3 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 3.18 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW005900.D

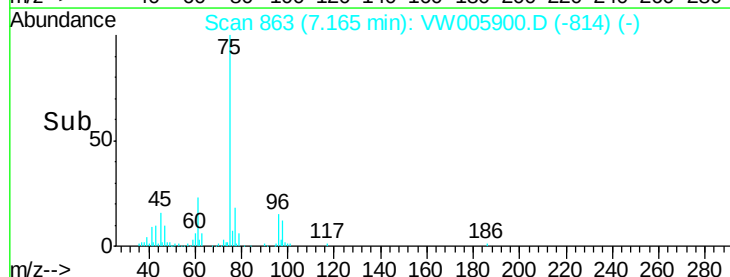
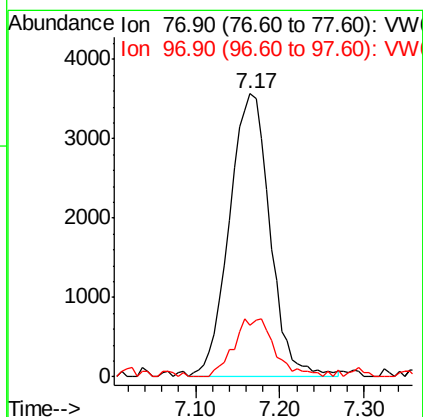
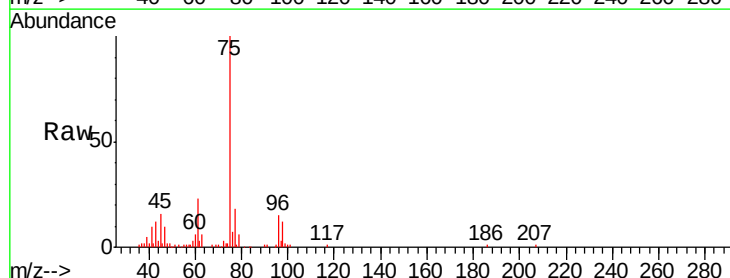
Acq: 08 Oct 2018 17:17

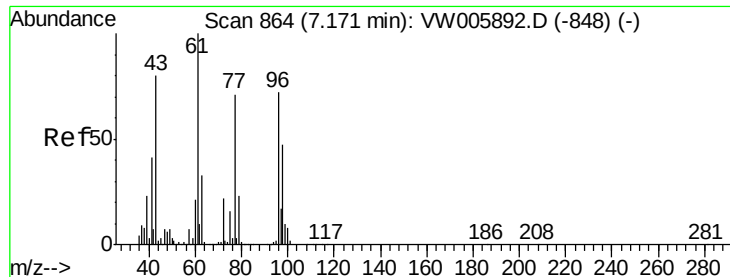
Tgt Ion: 77 Resp: 11717

Ion Ratio Lower Upper

77 100

97 20.5 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 2.55 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

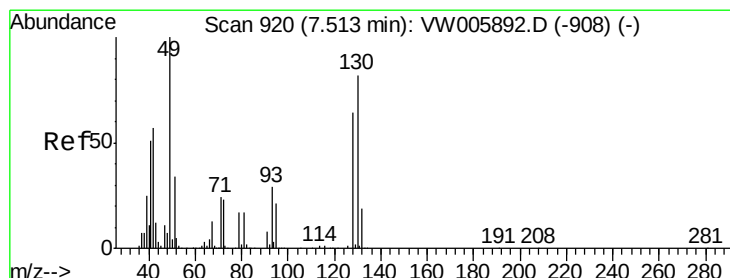
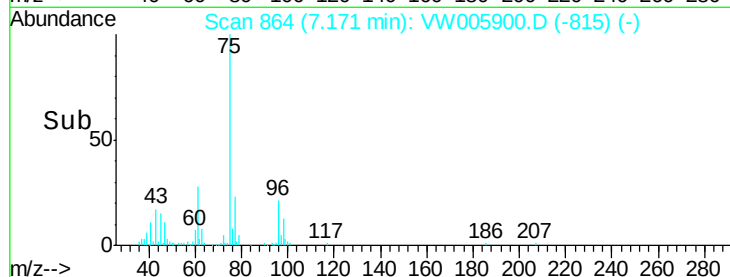
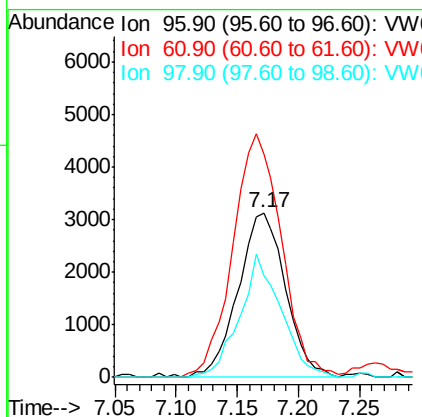
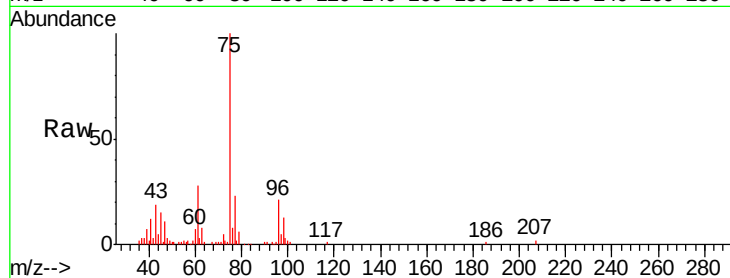
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion:	96	Resp:	8430
Ion	Ratio	Lower	Upper
96	100		
61	151.4	0.0	284.0
98	65.5	0.0	129.8

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#28

Bromochloromethane

Concen: 2.65 ug/l

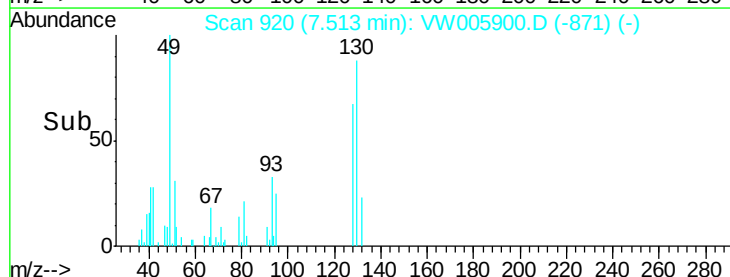
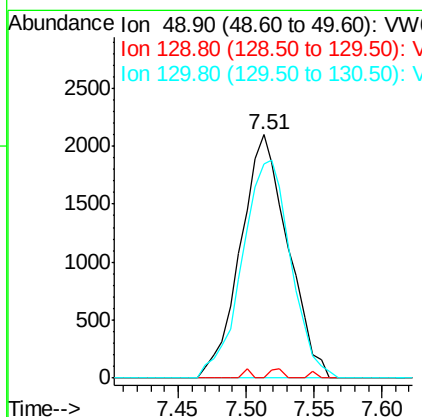
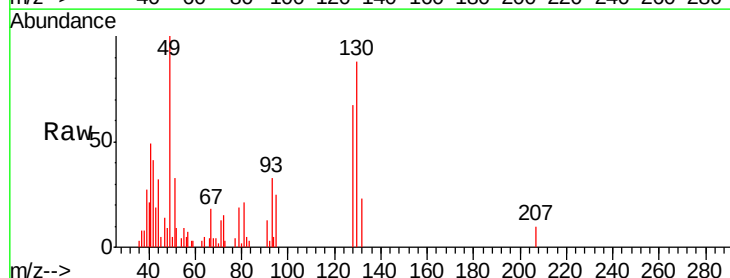
RT: 7.51 min Scan# 920

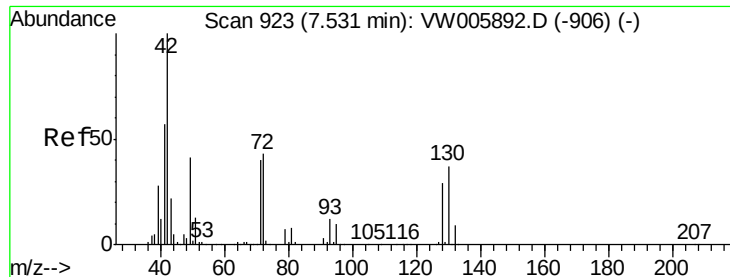
Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Tgt Ion:	49	Resp:	5113
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	5.0
130	92.0	66.9	100.3





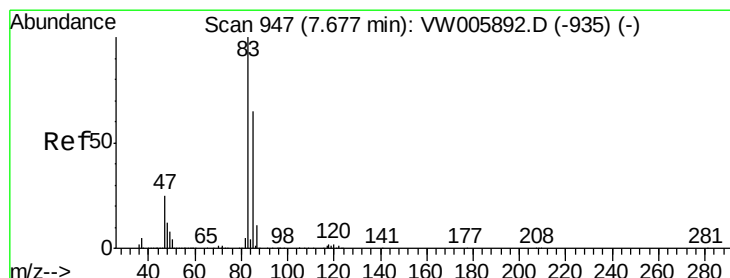
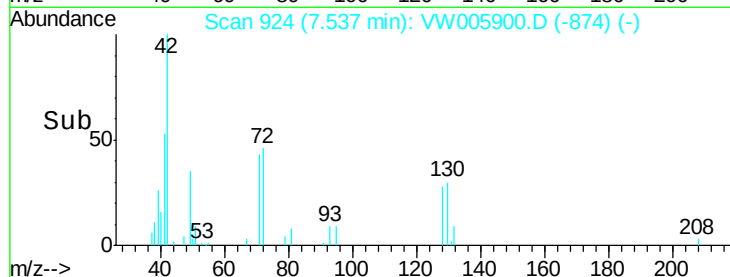
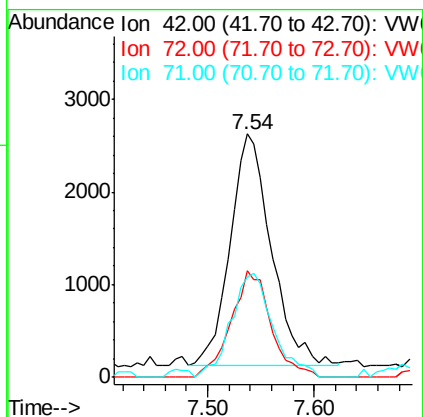
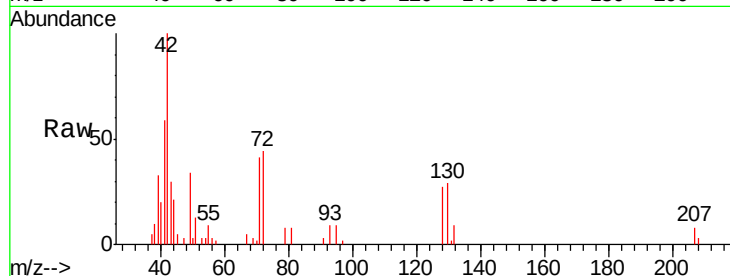
#29
Tetrahydrofuran
Concen: 12.63 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.6	51.8
71	46.2	32.6	49.0

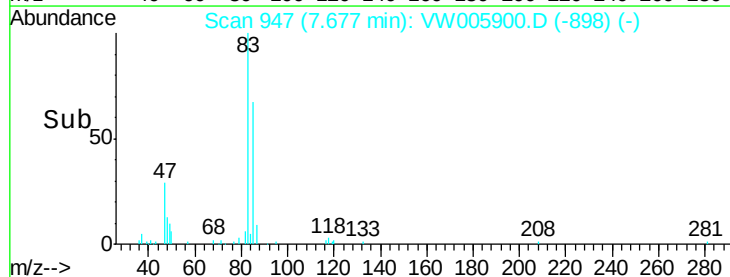
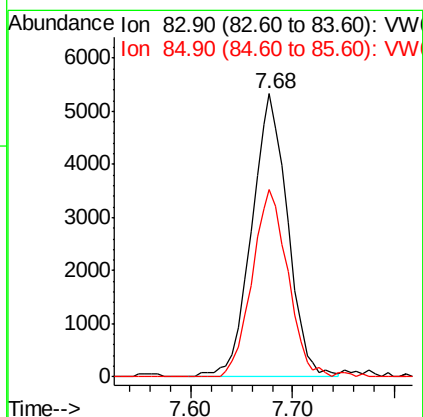
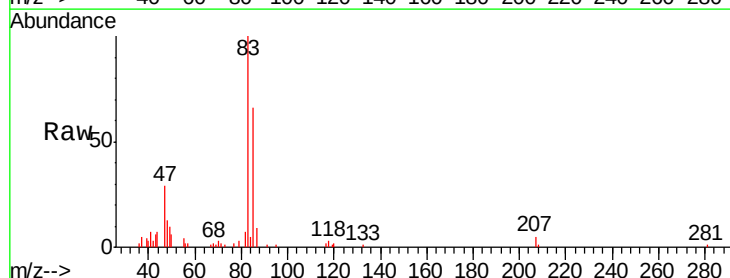
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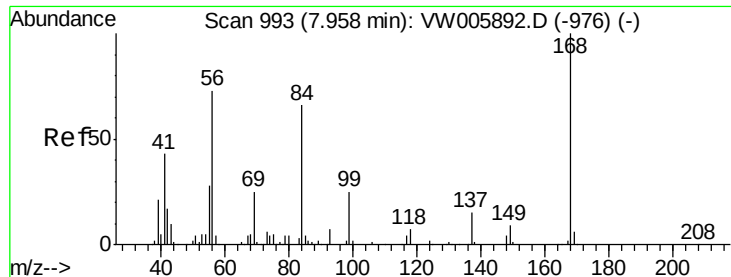
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#30
Chloroform
Concen: 2.43 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.6	77.4





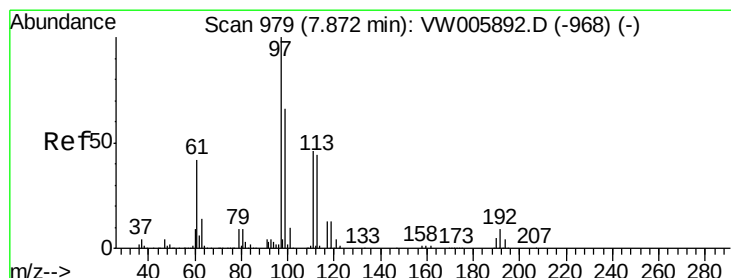
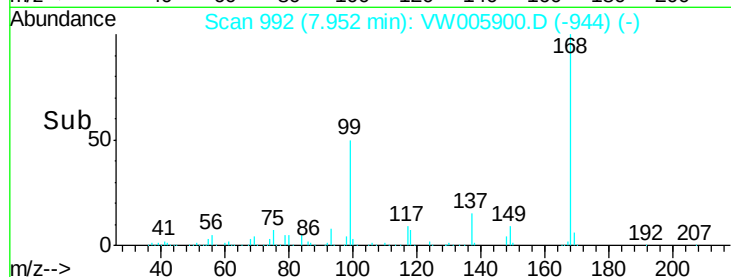
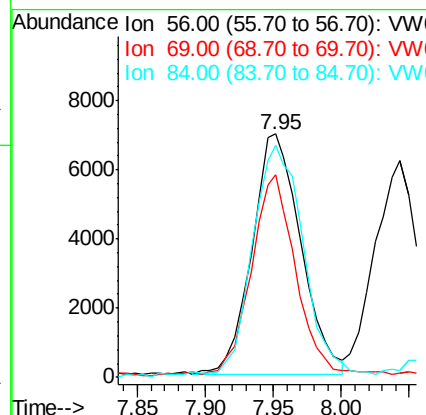
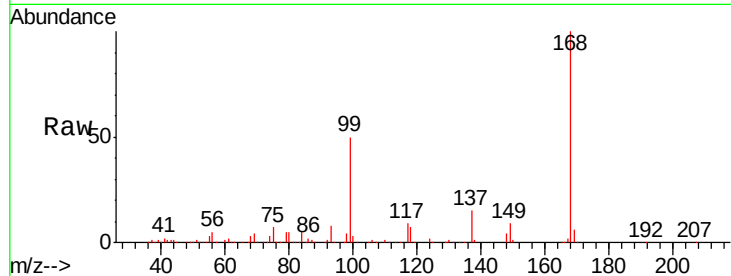
#31
Cyclohexane
Concen: 3.39 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
56	100		
69	82.4	27.9	41.9#
84	93.8	72.3	108.5

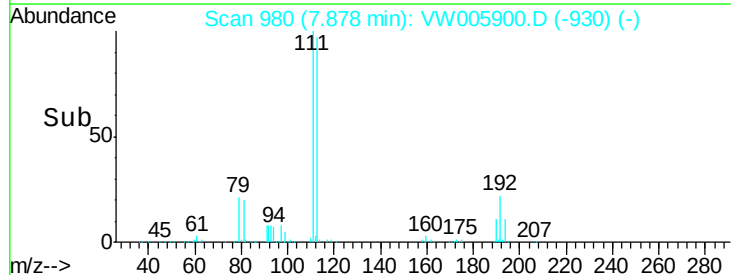
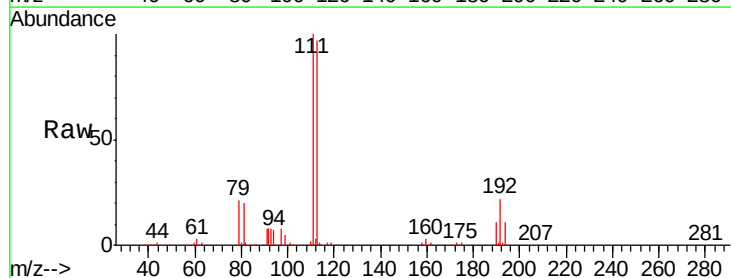
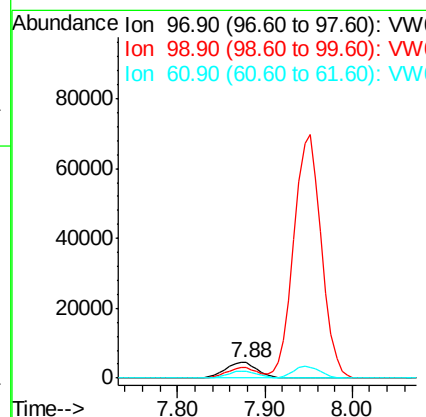
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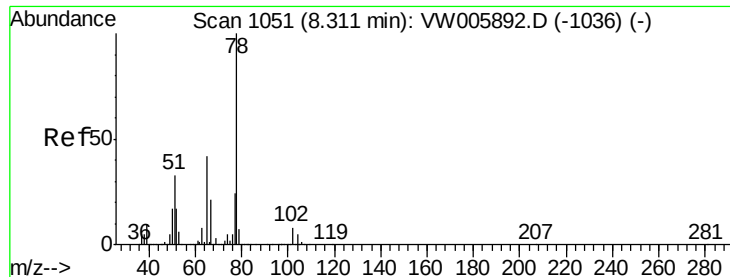
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#32
1,1,1-Trichloroethane
Concen: 2.47 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.6	77.4
61	40.1	34.5	51.7





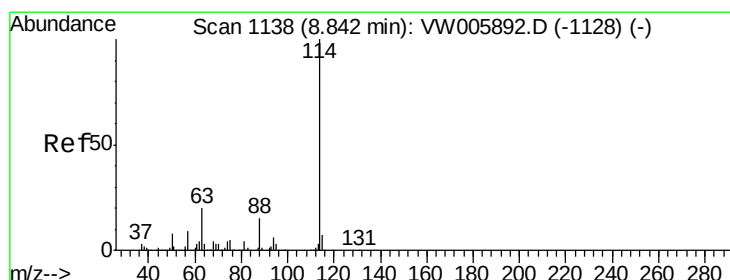
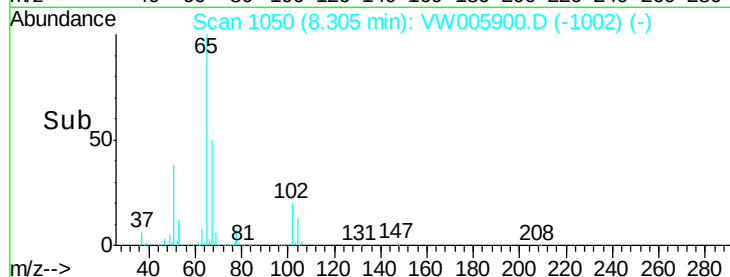
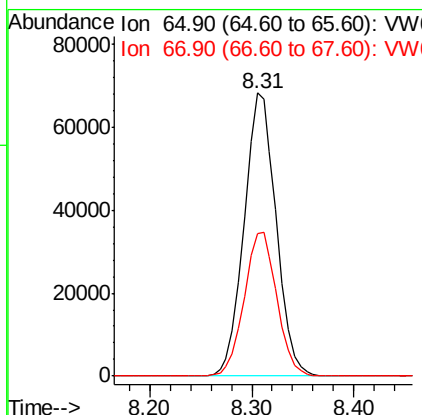
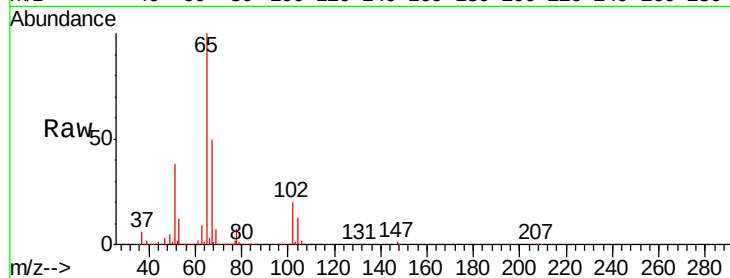
#33
 1,2-Dichloroethane-d4
 Concen: 50.31 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	148758		
67	51.7	0.0	104.6	

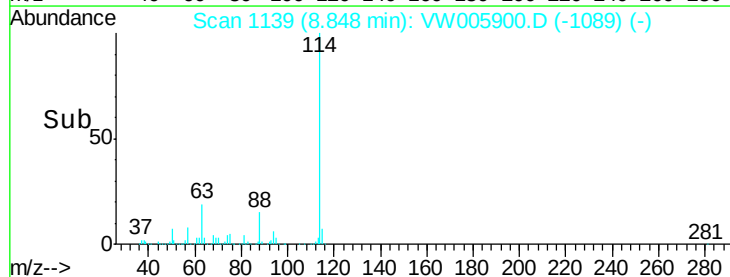
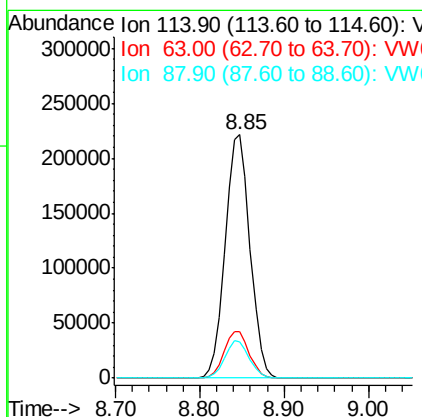
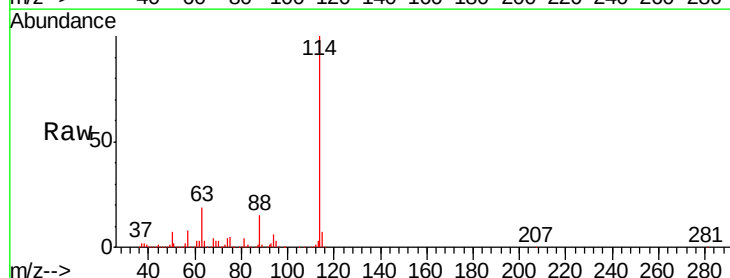
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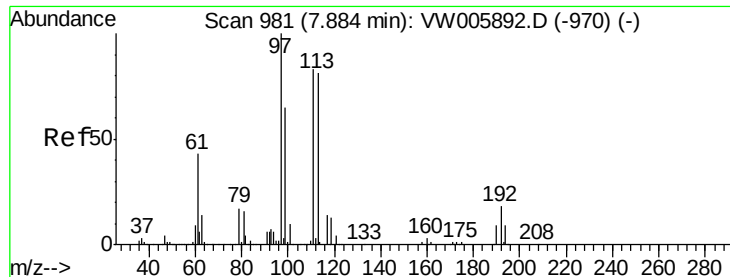
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	444729		
63	19.1	0.0	39.2	
88	14.8	0.0	30.8	





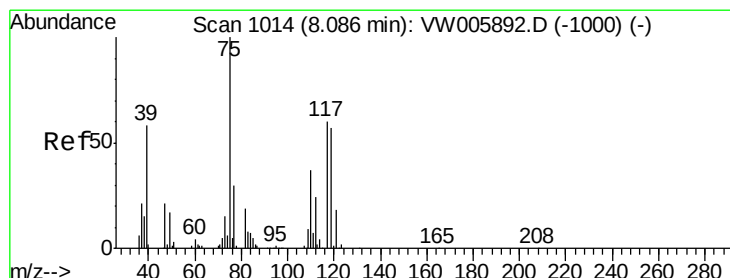
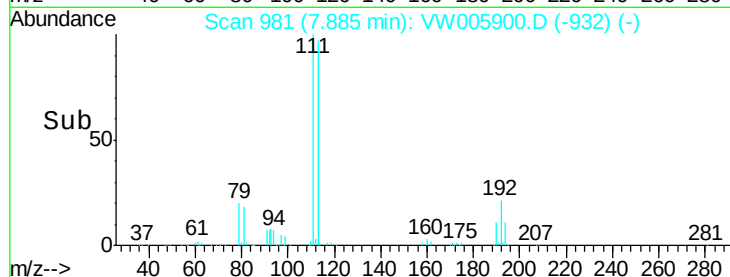
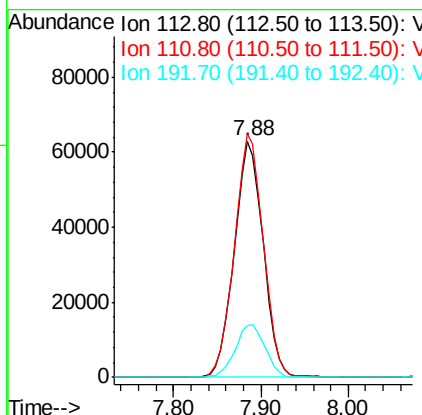
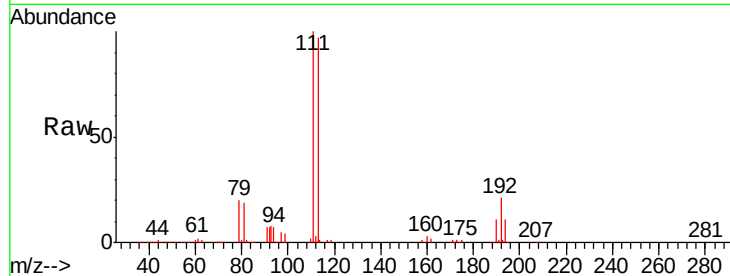
#35
 Dibromofluoromethane
 Concen: 50.88 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	144472		
111	103.4	82.0	123.0	
192	23.2	18.3	27.5	

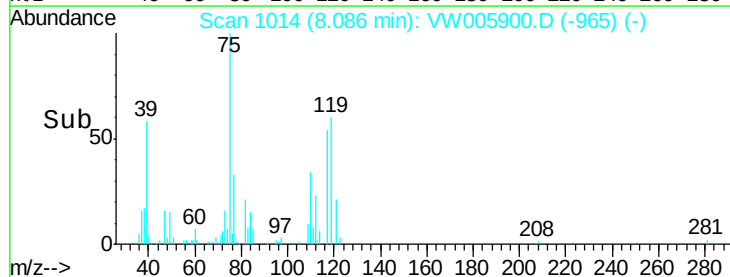
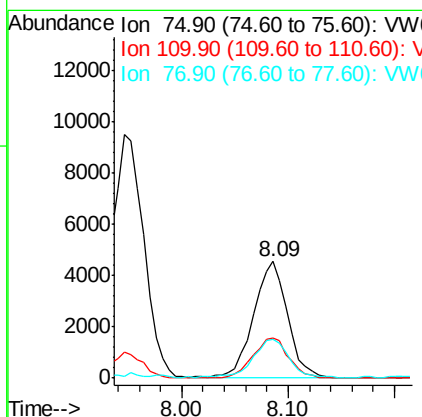
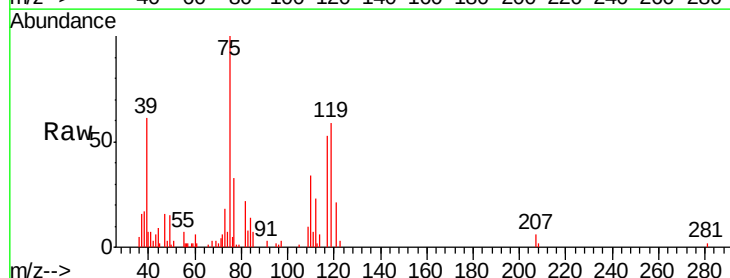
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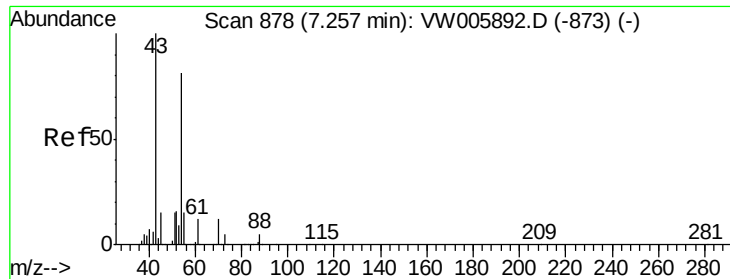
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#36
 1,1-Dichloropropene
 Concen: 2.41 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10260		
110	35.5	18.6	56.0	
77	35.9	24.7	37.1	





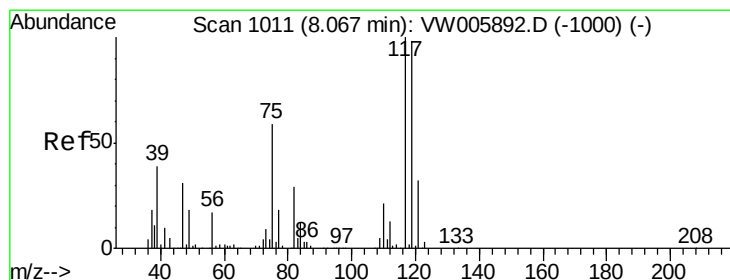
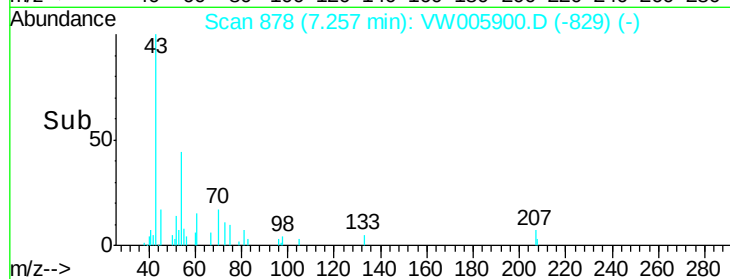
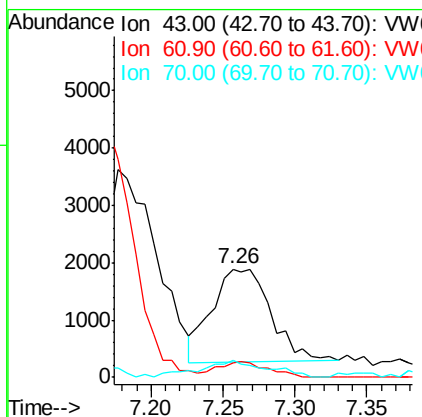
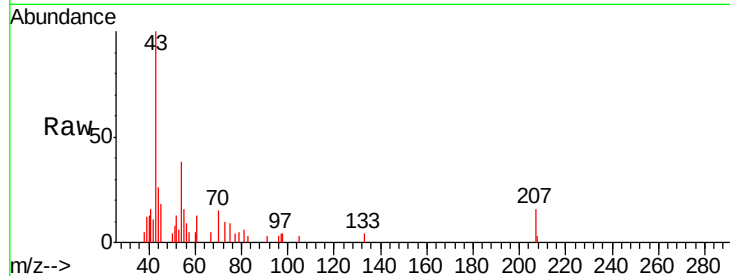
#37
Ethyl Acetate
Concen: 2.57 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.6	16.0
70	20.1	8.6	13.0

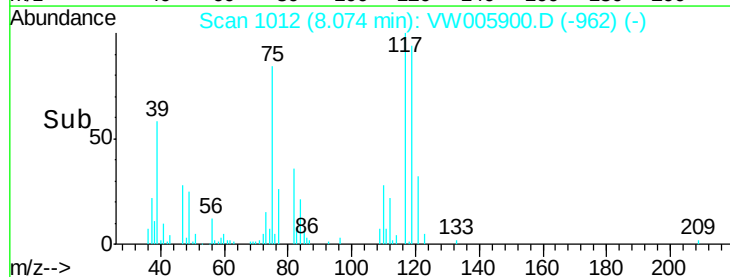
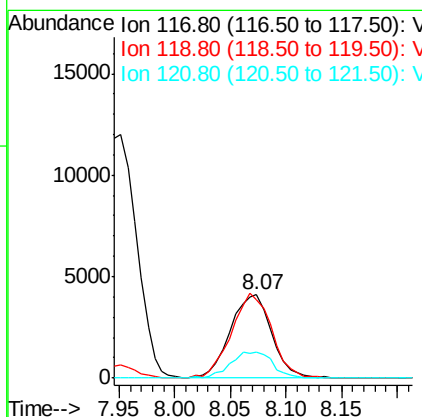
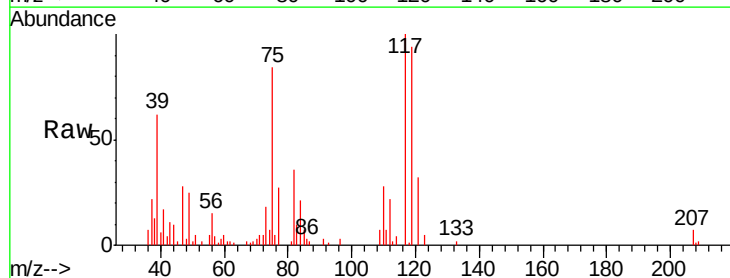
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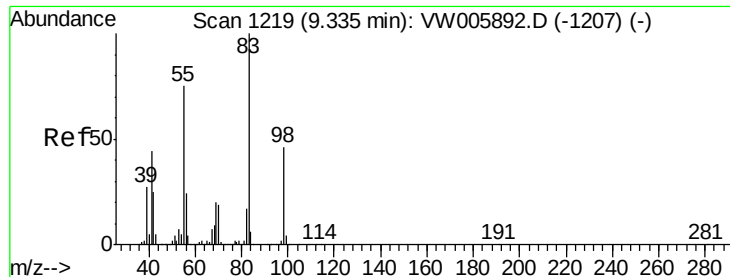
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#38
Carbon Tetrachloride
Concen: 2.32 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.6	117.8
121	31.6	25.3	37.9





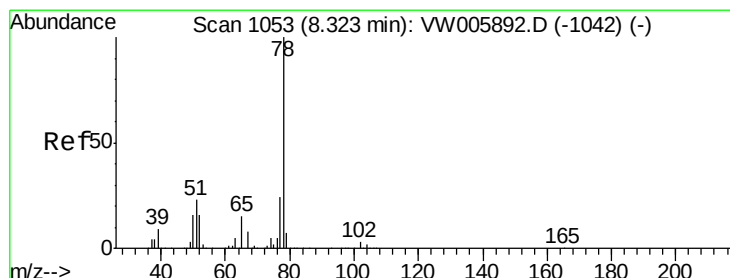
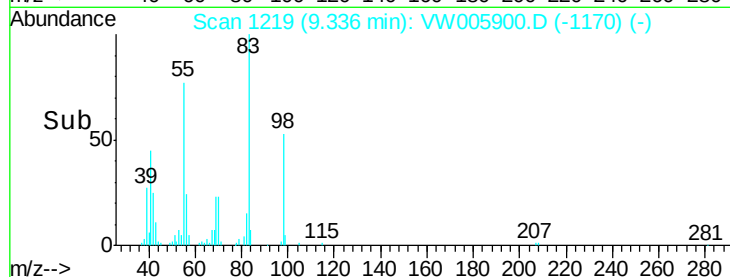
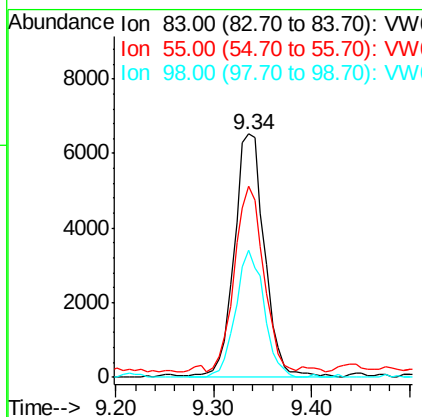
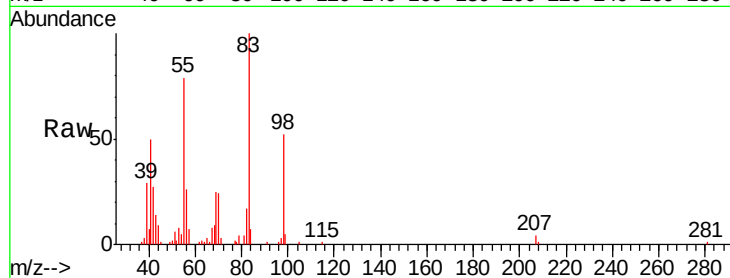
#39
Methylcyclohexane
Concen: 2.50 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	14066		
55	75.9	59.8	89.6	
98	52.4	37.1	55.7	

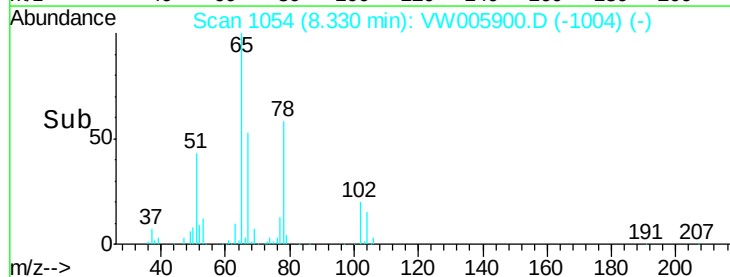
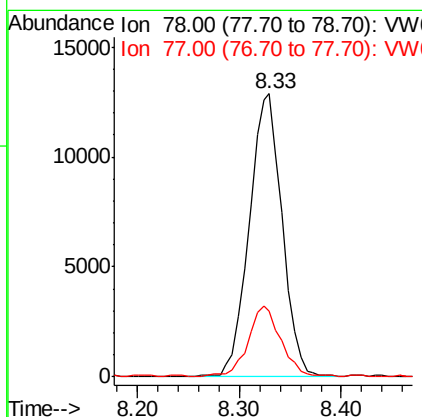
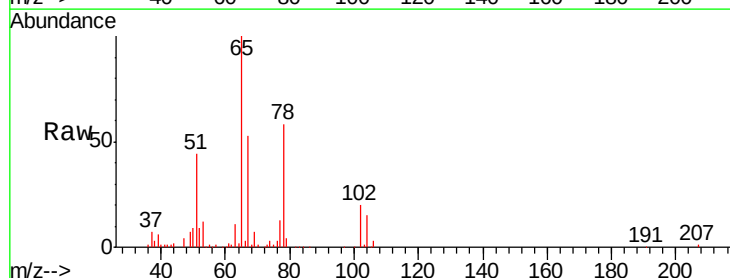
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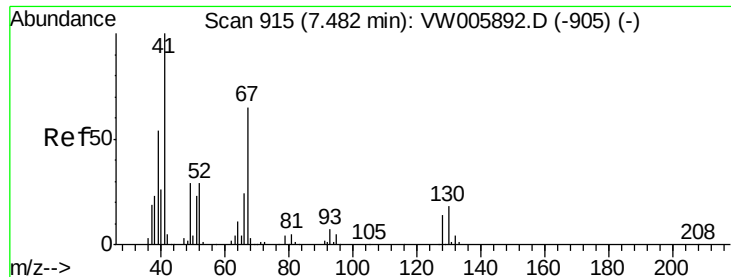
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#40
Benzene
Concen: 2.48 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	28873		
77	23.4	19.1	28.7	





#41

Methacrylonitrile

Concen: 2.11 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

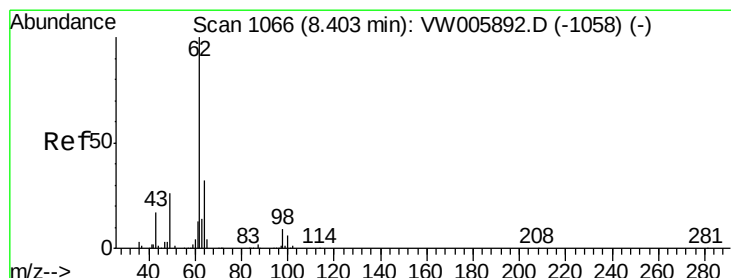
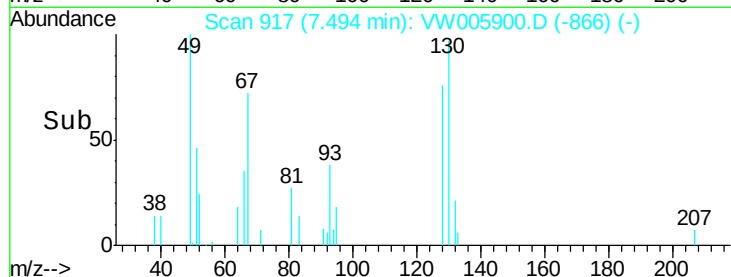
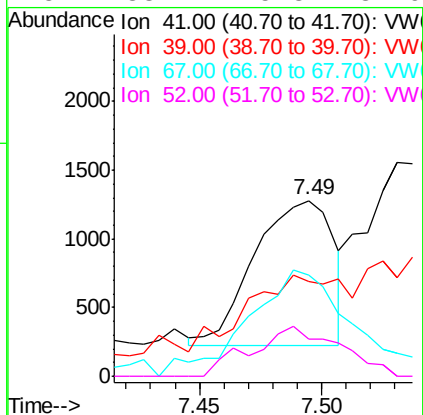
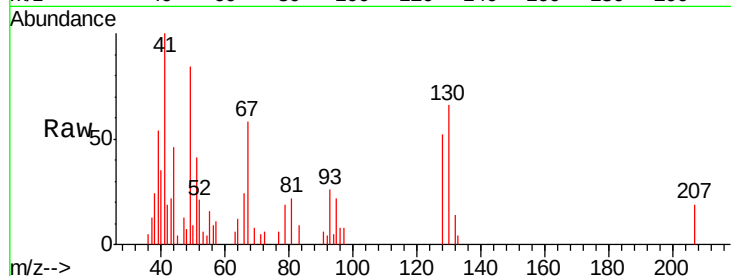
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.6	45.0	67.4	
67	97.6	55.8	83.8#	
52	38.2	25.3	37.9#	

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#42

1,2-Dichloroethane

Concen: 2.37 ug/l

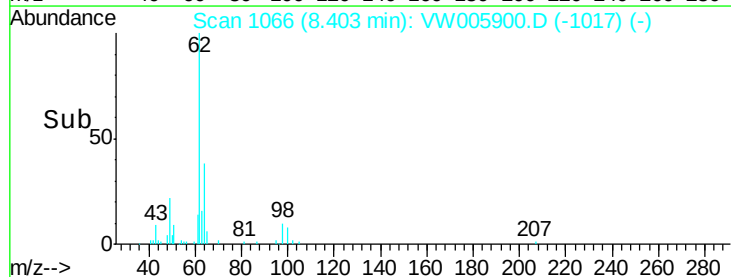
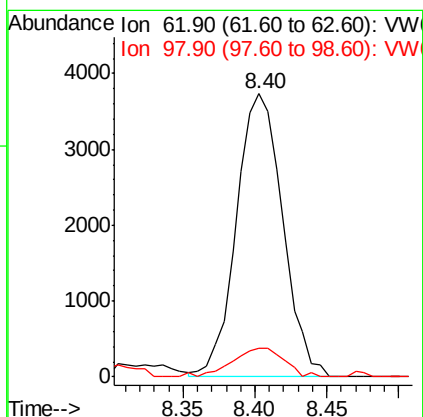
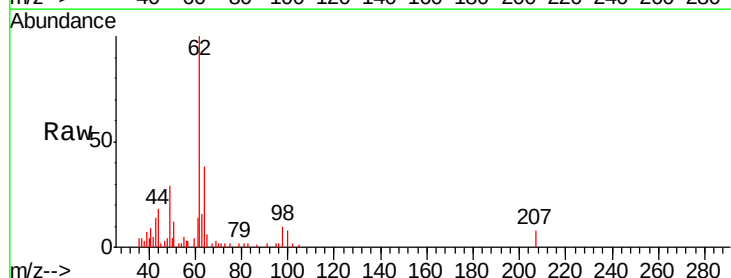
RT: 8.40 min Scan# 1066

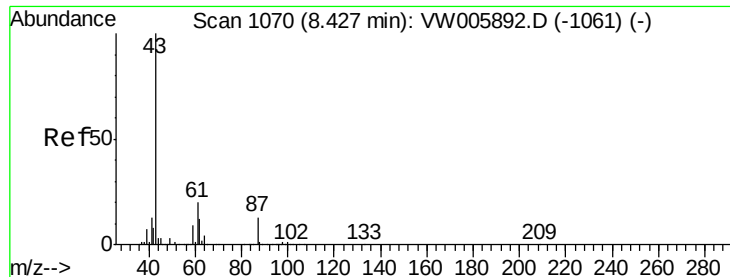
Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.3	0.0	18.0	





#43

Isopropyl Acetate

Concen: 2.32 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

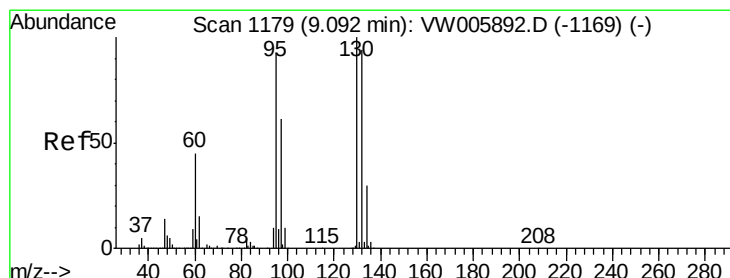
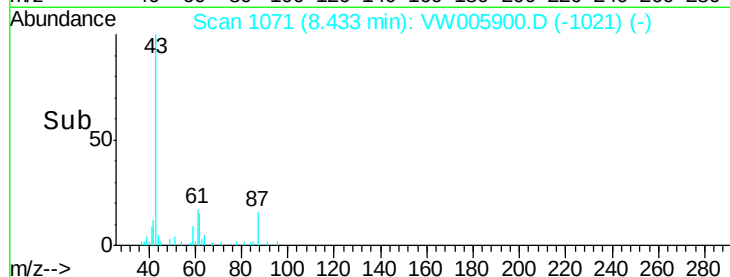
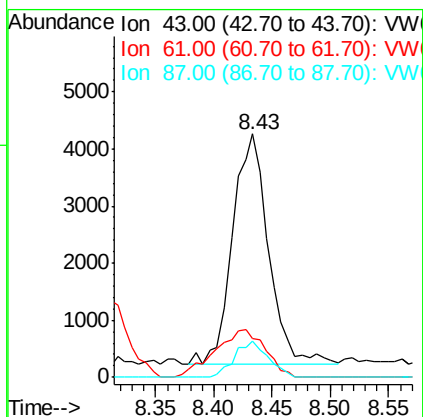
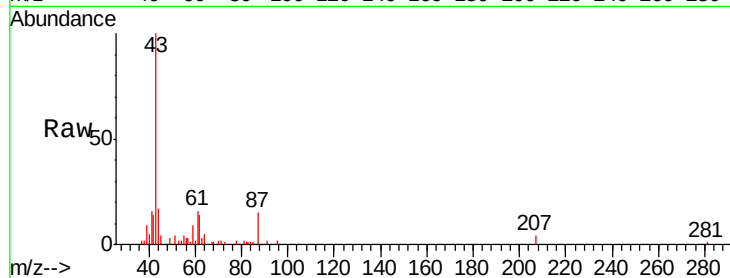
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion:	43	Resp:	8738
Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.1	34.7
87	14.7	10.7	16.1

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#44

Trichloroethene

Concen: 2.50 ug/l

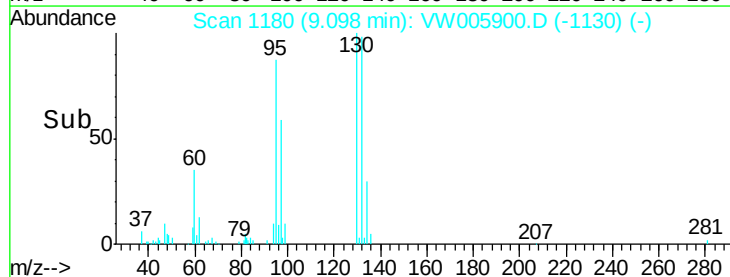
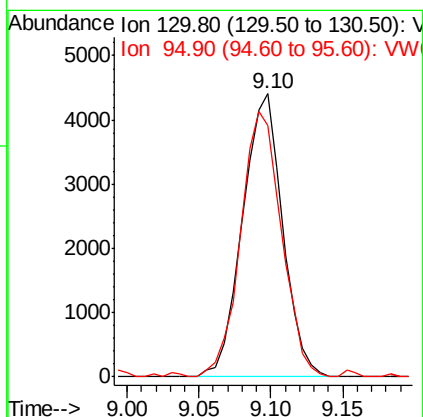
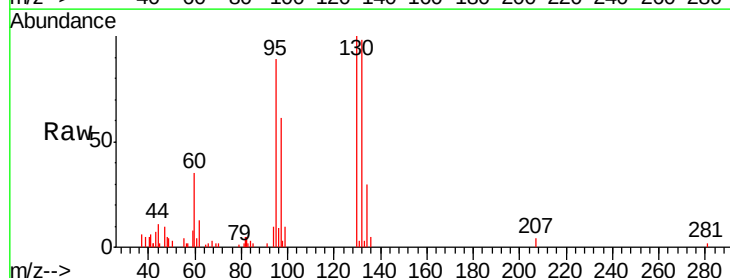
RT: 9.10 min Scan# 1180

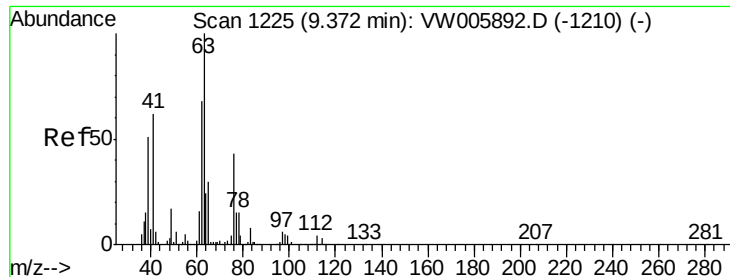
Delta R.T. 0.01 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Tgt Ion:	130	Resp:	8467
Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	185.6





#45

1,2-Dichloropropane

Concen: 2.38 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

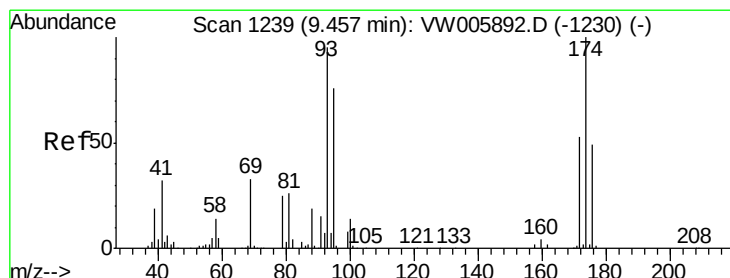
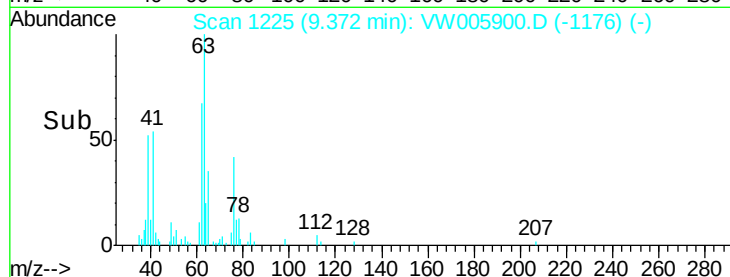
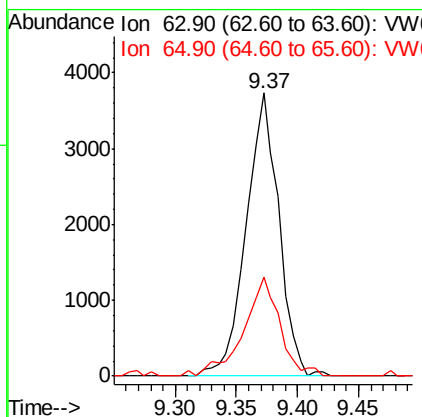
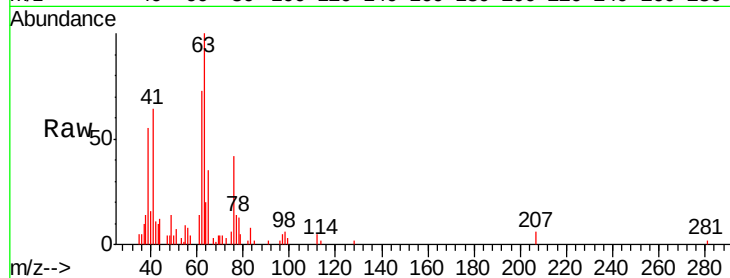
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
63	100		
65	35.0	24.3	36.5

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#46

Dibromomethane

Concen: 2.58 ug/l

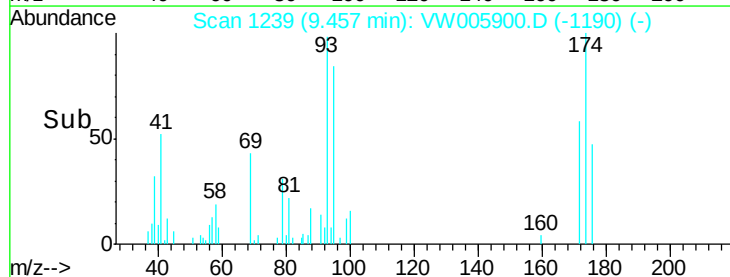
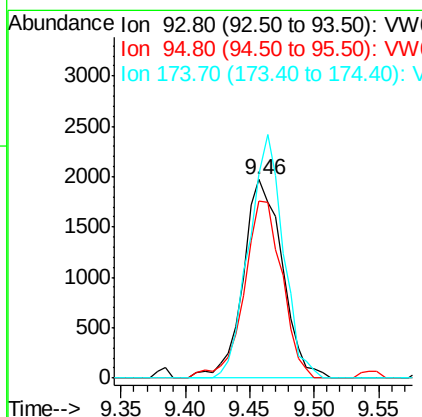
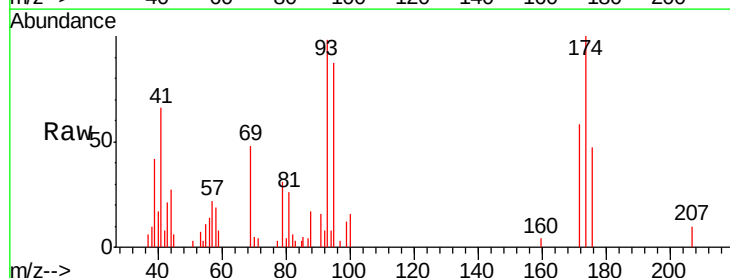
RT: 9.46 min Scan# 1239

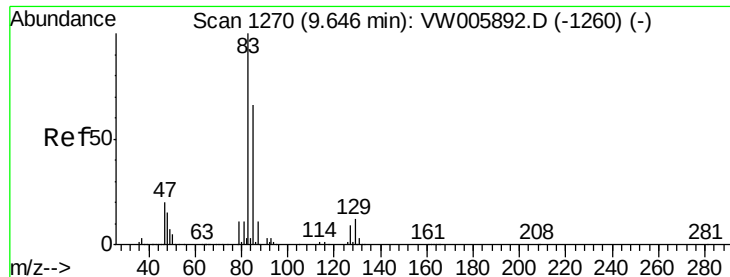
Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.1	66.6	99.8
174	107.4	90.4	135.6





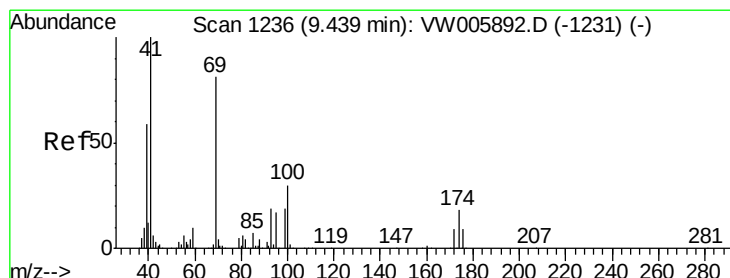
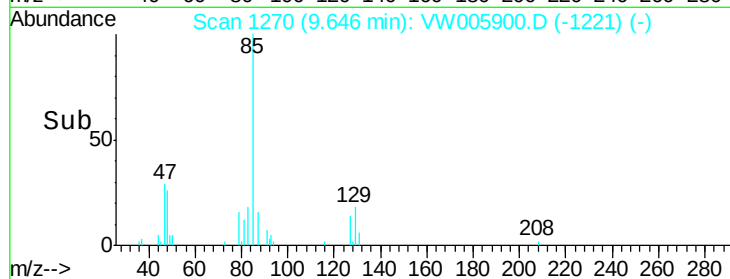
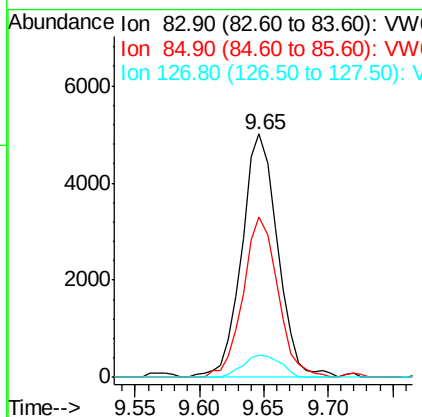
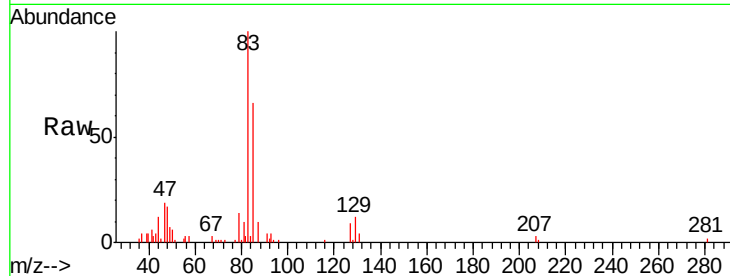
#47
 Bromodichloromethane
 Concen: 2.39 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	9635		
85	65.6	53.0	79.6	
127	9.0	7.4	11.0	

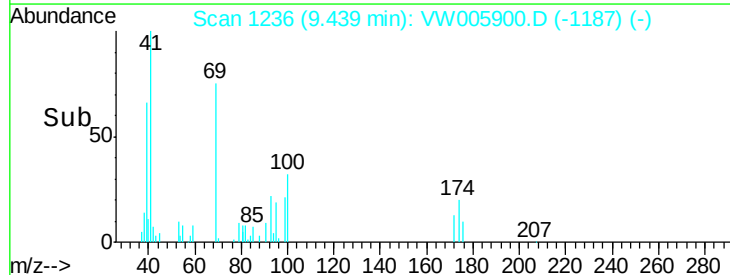
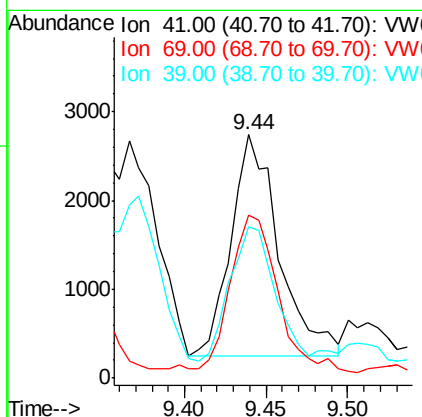
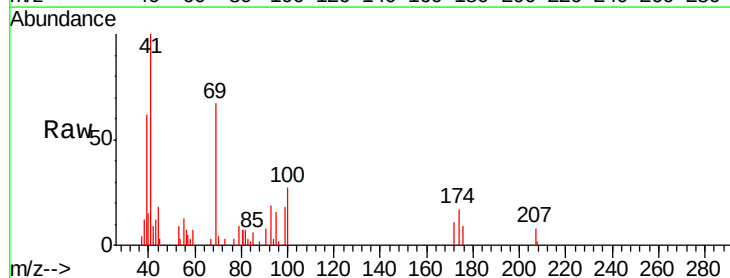
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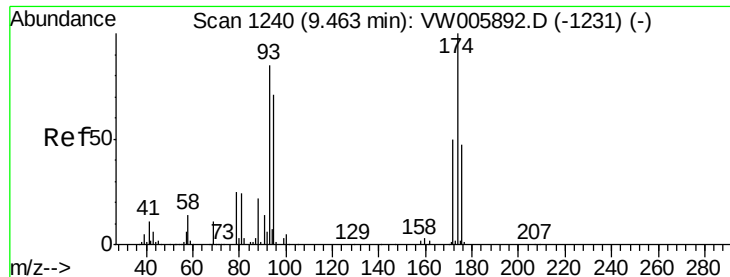
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#48
 Methyl methacrylate
 Concen: 2.81 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	5052		
69	71.8	68.7	103.1	
39	59.0	50.0	75.0	





#49

1,4-Dioxane

Concen: 48.42 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

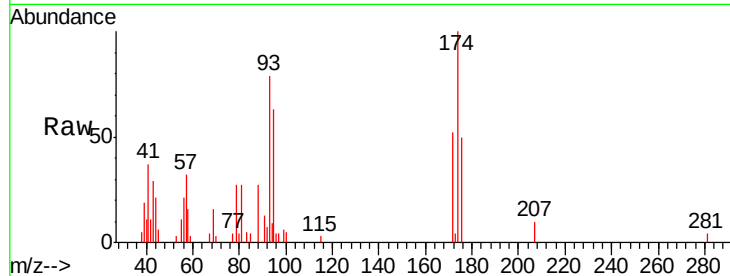
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

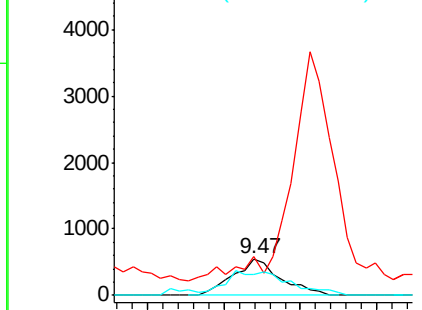
Tgt Ion:	88	Resp:	1180
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	90.1	57.7	86.5#

Manual Integrations
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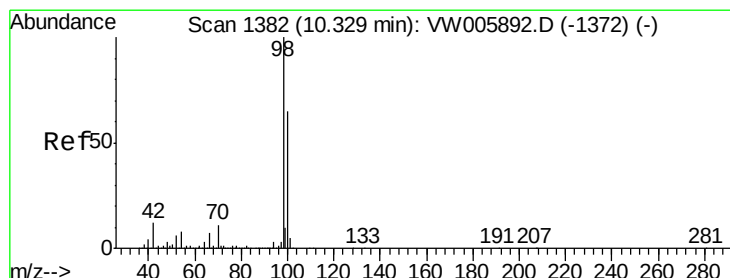
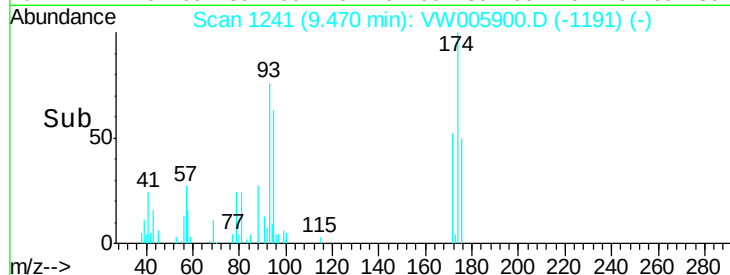
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Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



Time-->



#50

Toluene-d8

Concen: 51.61 ug/l

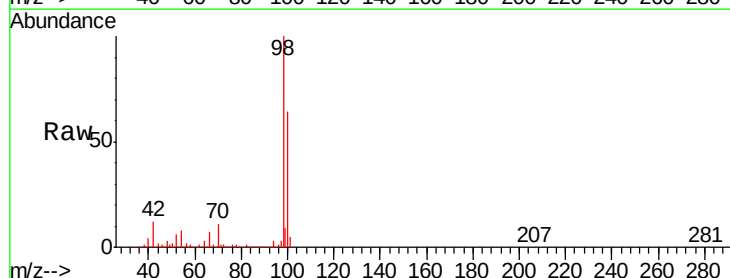
RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

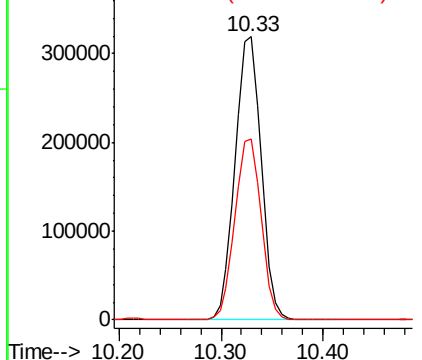
Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

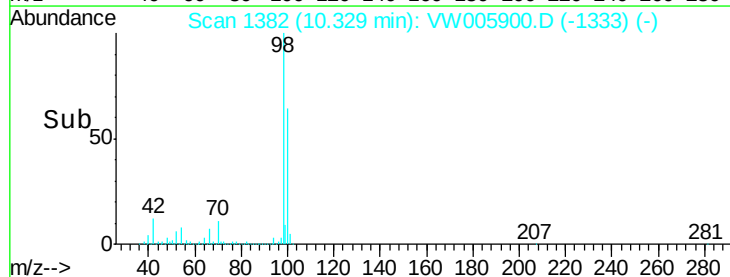
Tgt Ion:	98	Resp:	563823
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.9	77.9

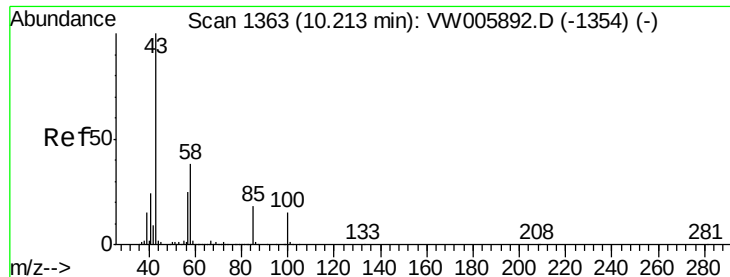


Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW



Time-->





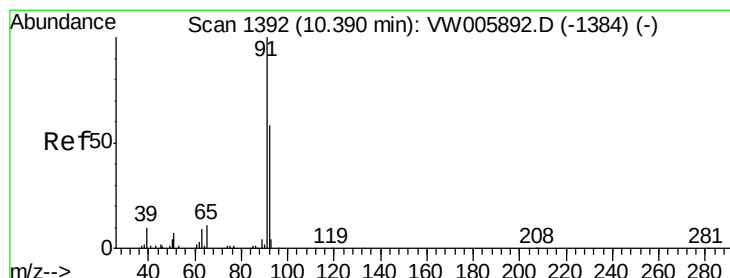
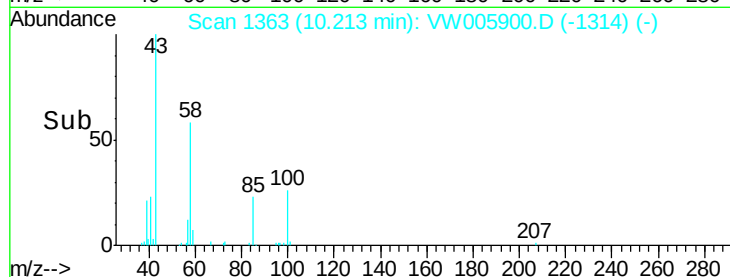
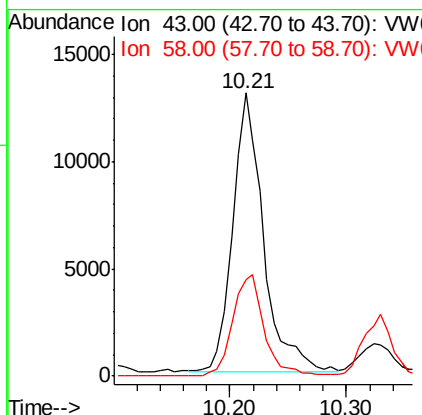
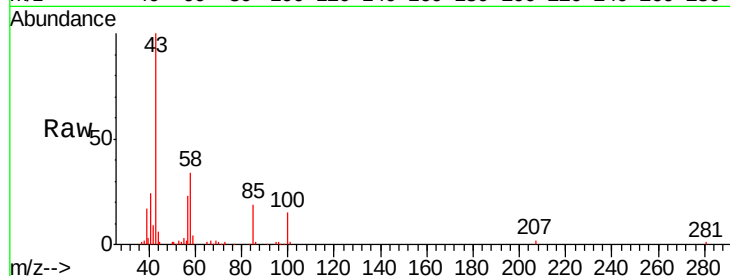
#51
 4-Methyl-2-Pentanone
 Concen: 13.09 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 43 Resp: 24023
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.2 45.4

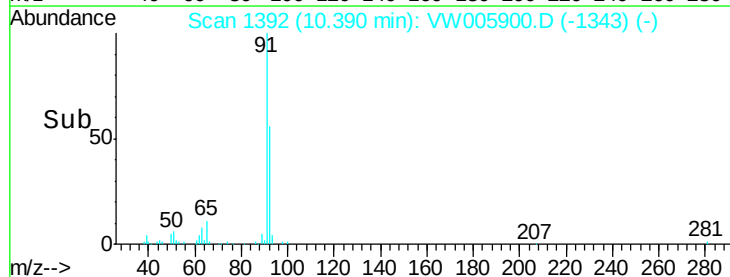
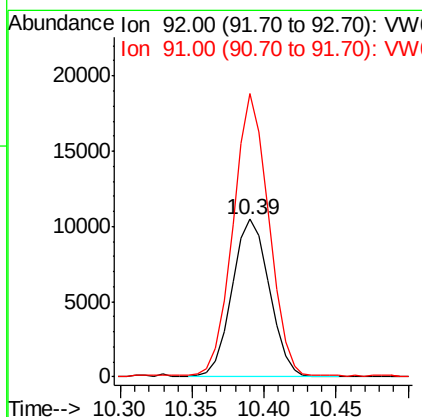
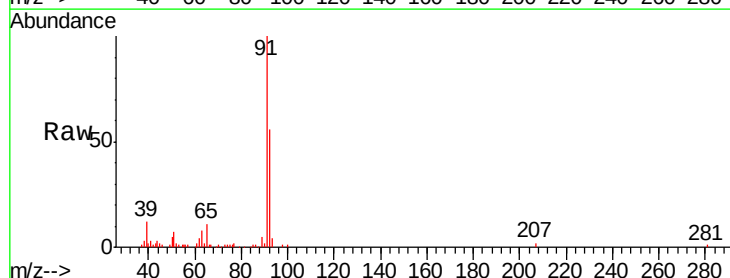
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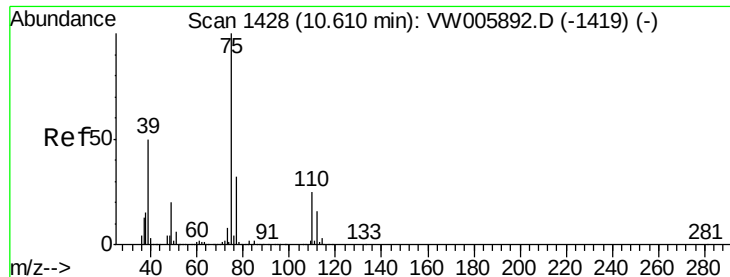
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#52
 Toluene
 Concen: 2.48 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Tgt Ion: 92 Resp: 19006
 Ion Ratio Lower Upper
 92 100
 91 169.0 138.2 207.4





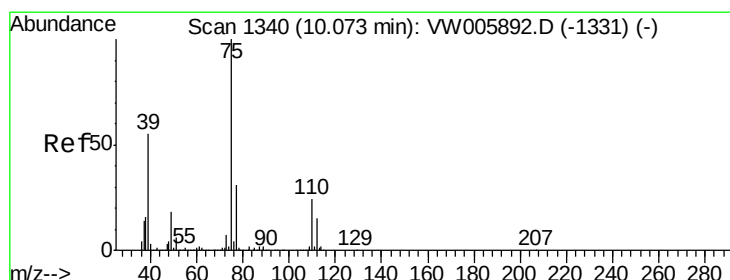
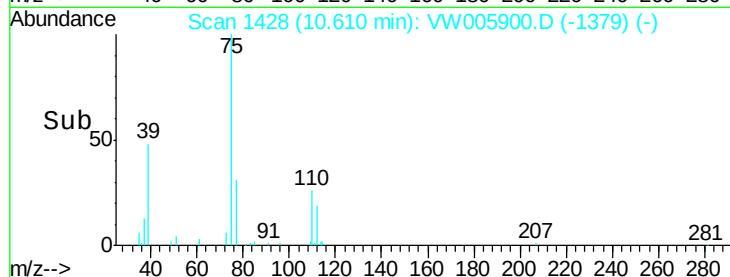
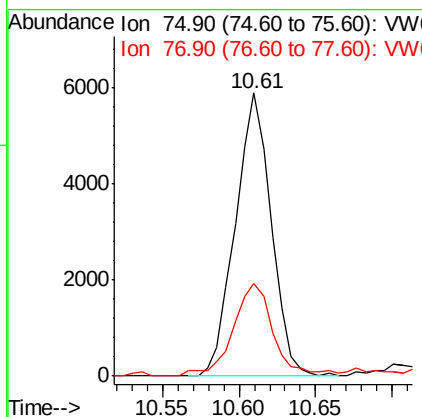
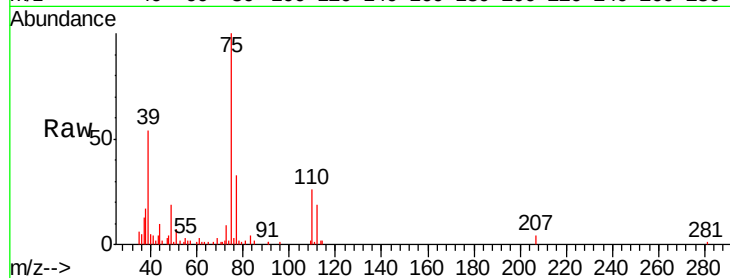
#53
t-1,3-Dichloropropene
Concen: 2.27 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 75 Resp: 9569
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

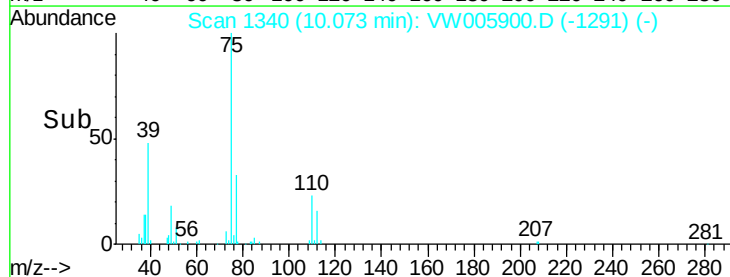
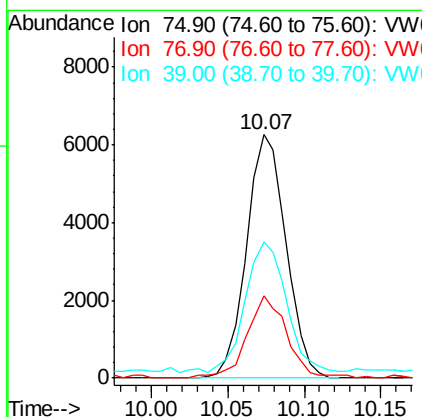
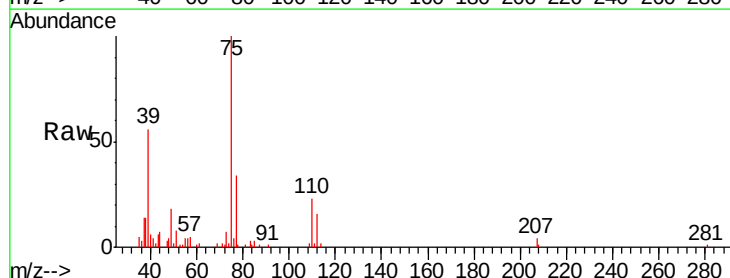
Manual Integrations
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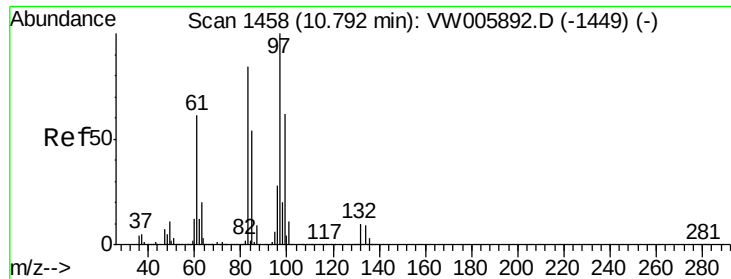
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#54
cis-1,3-Dichloropropene
Concen: 2.37 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion: 75 Resp: 11223
Ion Ratio Lower Upper
75 100
77 34.0 24.6 37.0
39 53.1 44.2 66.4





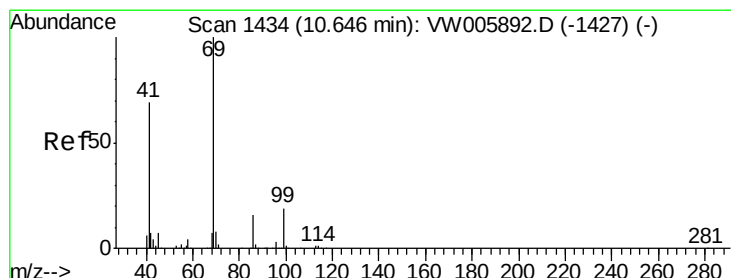
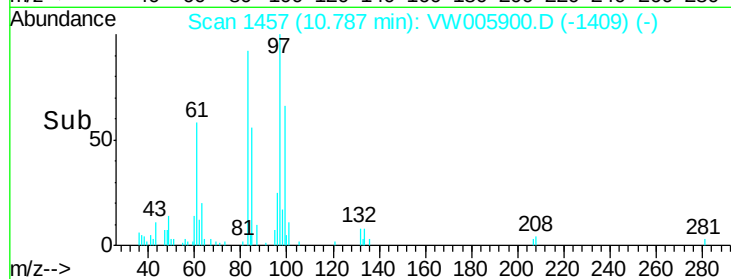
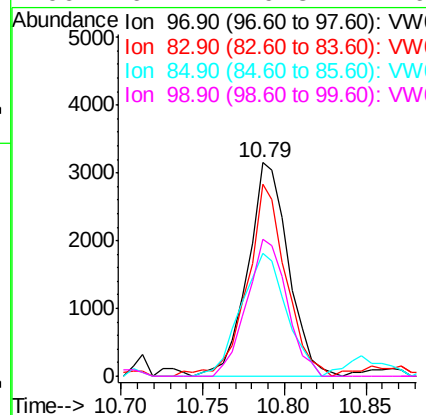
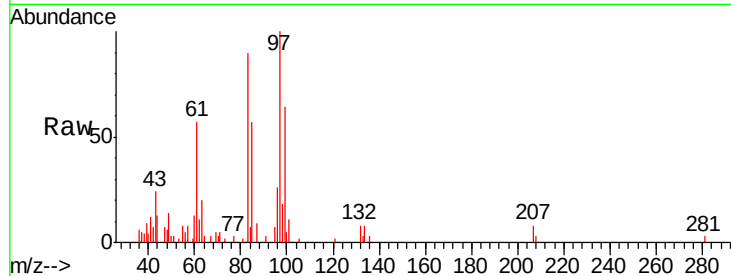
#55
 1,1,2-Trichloroethane
 Concen: 2.46 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion:	97	Resp:	5457
Ion	Ratio	Lower	Upper
97	100		
83	88.3	66.9	100.3
85	57.4	43.4	65.0
99	64.4	49.8	74.6

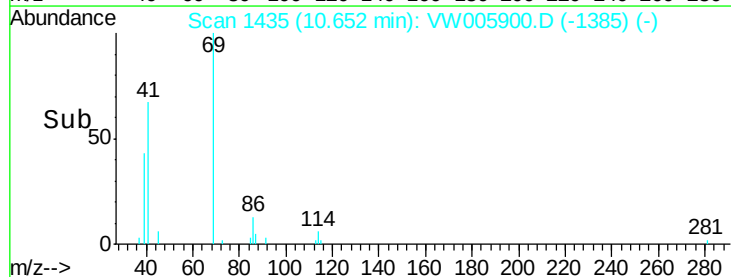
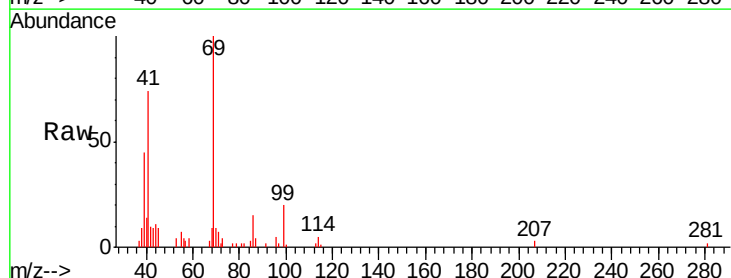
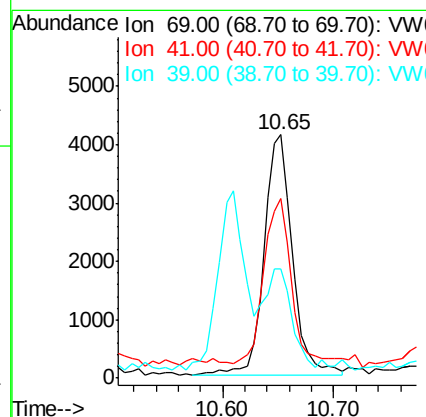
Manual Integrations
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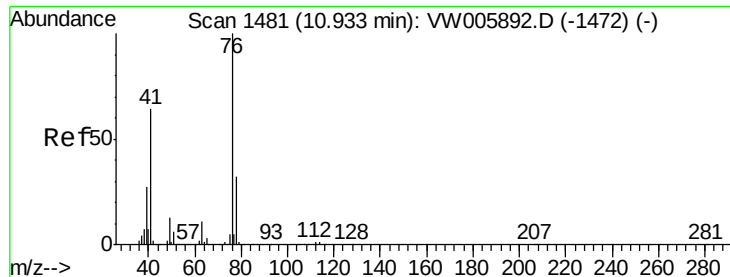
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#56
 Ethyl methacrylate
 Concen: 2.43 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Tgt Ion:	69	Resp:	7288
Ion	Ratio	Lower	Upper
69	100		
41	66.1	56.0	84.0
39	35.7	33.5	50.3





#57

1,3-Dichloropropane

Concen: 2.42 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 76 Resp: 9061

Ion Ratio Lower Upper

76 100

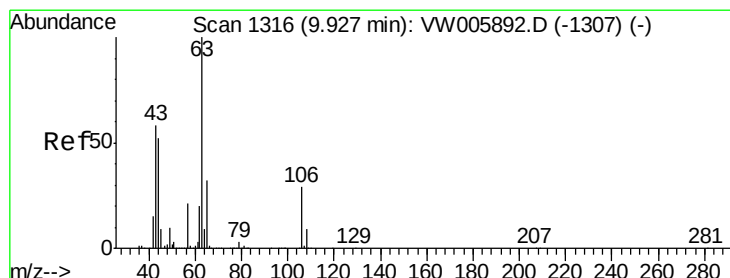
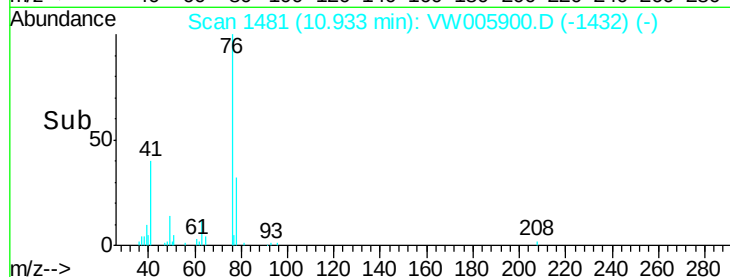
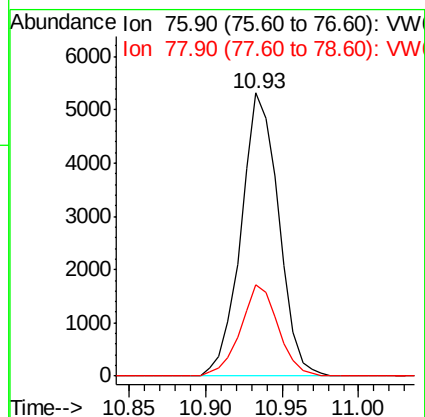
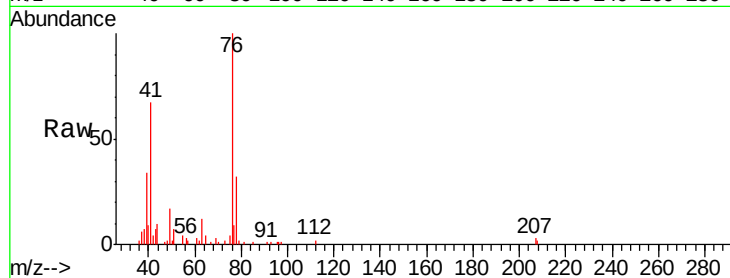
78 32.3 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 12.35 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW005900.D

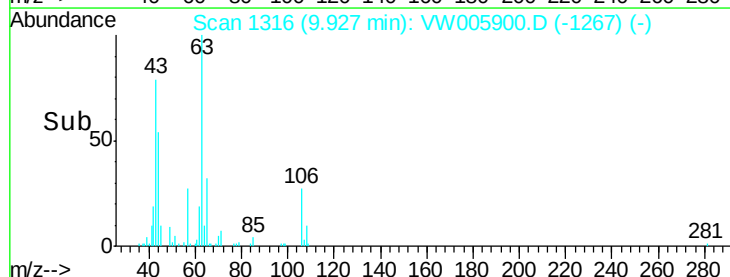
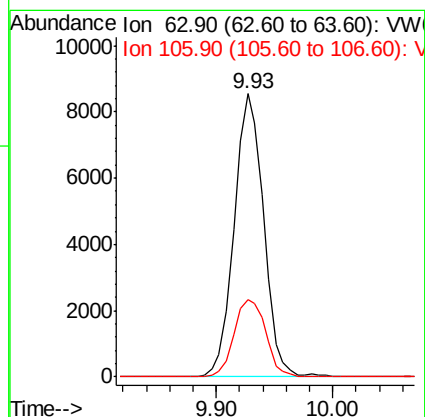
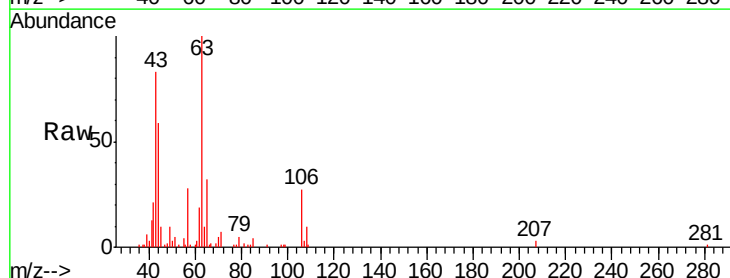
Acq: 08 Oct 2018 17:17

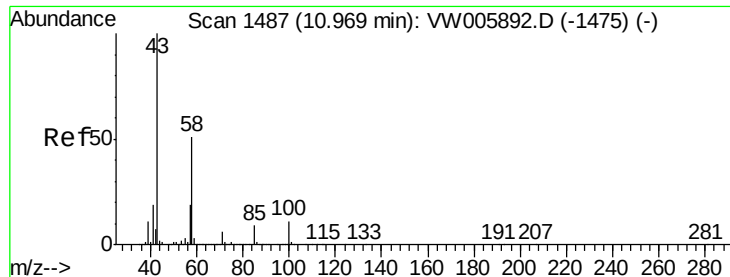
Tgt Ion: 63 Resp: 15057

Ion Ratio Lower Upper

63 100

106 29.2 23.6 35.4





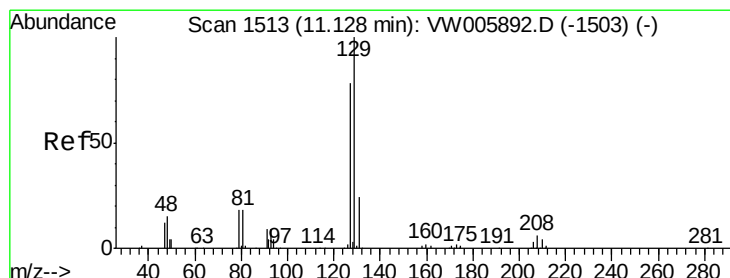
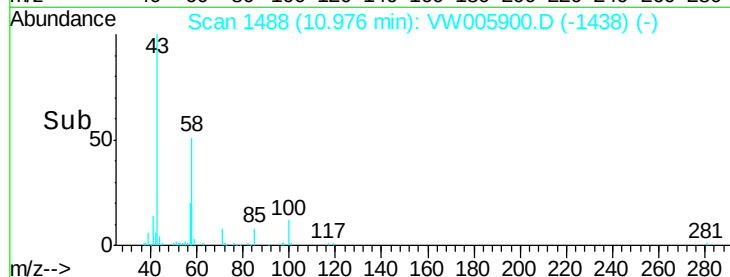
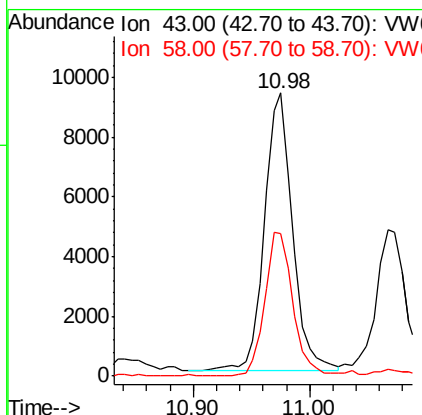
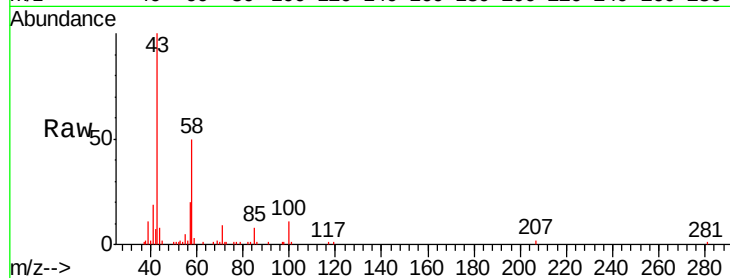
#59
2-Hexanone
Concen: 11.87 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 43 Resp: 15619
Ion Ratio Lower Upper
43 100
58 51.9 25.7 77.1

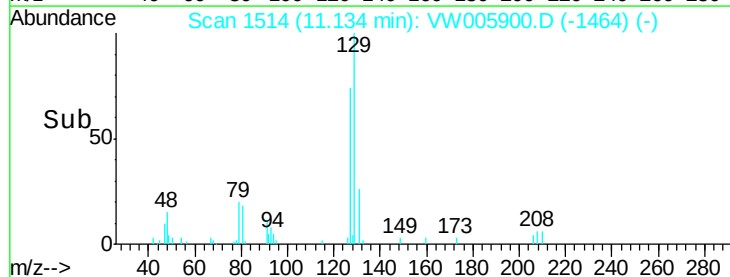
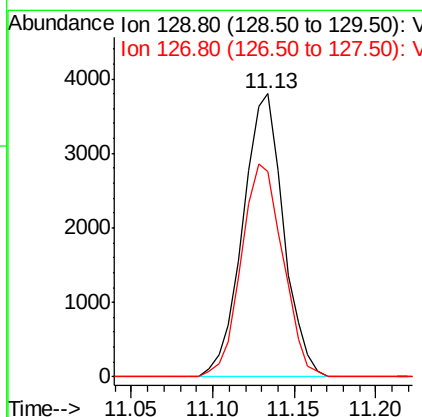
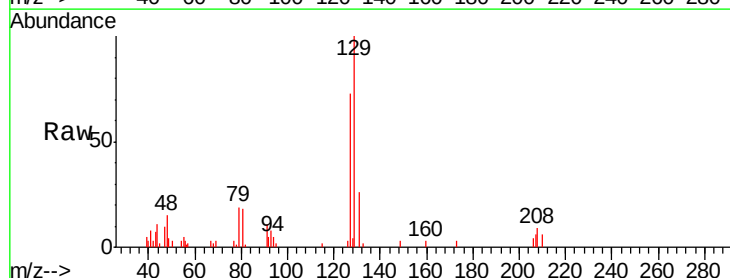
Manual Integrations
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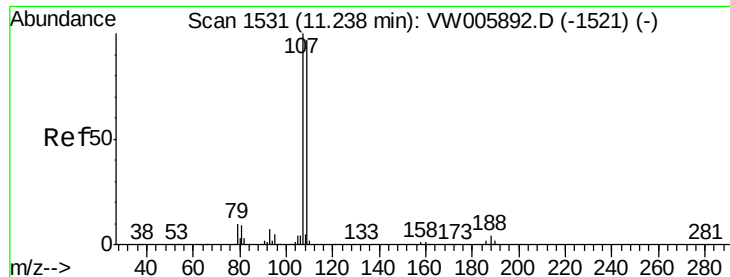
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#60
Dibromochloromethane
Concen: 2.31 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion: 129 Resp: 6618
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





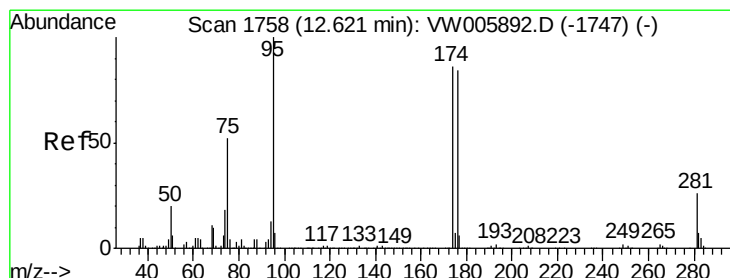
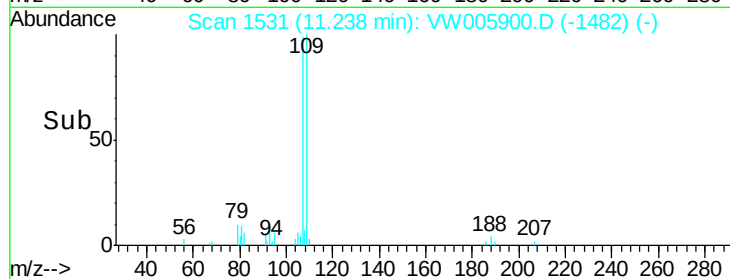
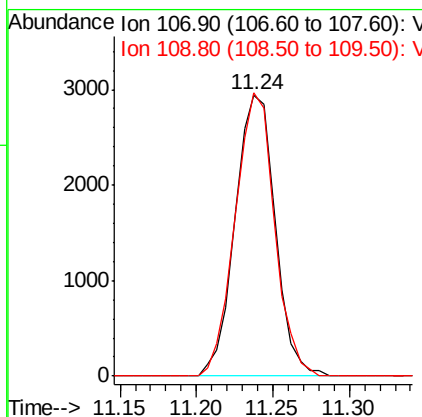
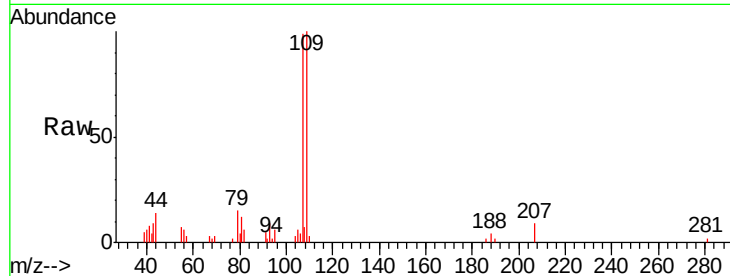
#61
 1,2-Dibromoethane
 Concen: 2.41 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 107 Resp: 5354
 Ion Ratio Lower Upper
 107 100
 109 99.1 75.8 113.8

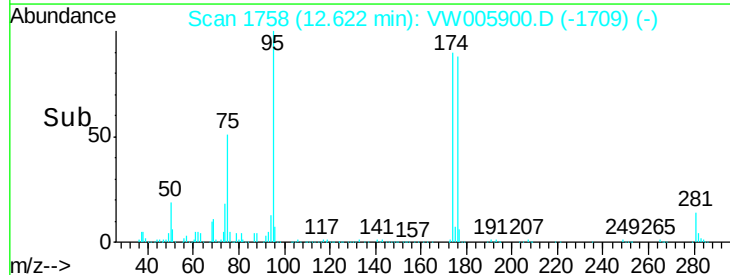
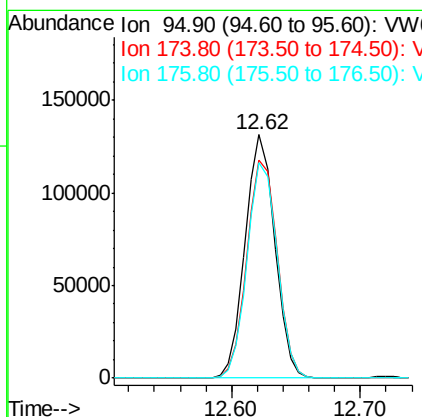
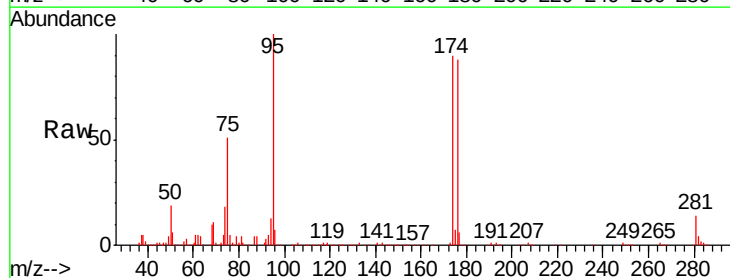
Manual Integrations
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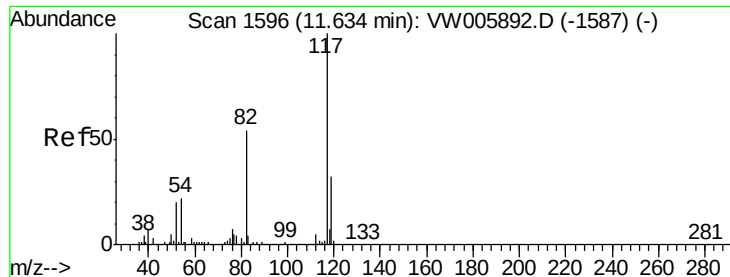
apatel
 10/9/2018 4:26:31 PM



#62
 4-Bromofluorobenzene
 Concen: 50.26 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Tgt Ion: 95 Resp: 208915
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 176.4
 176 89.5 0.0 173.0





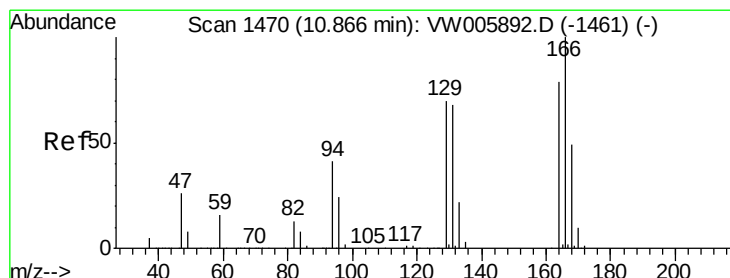
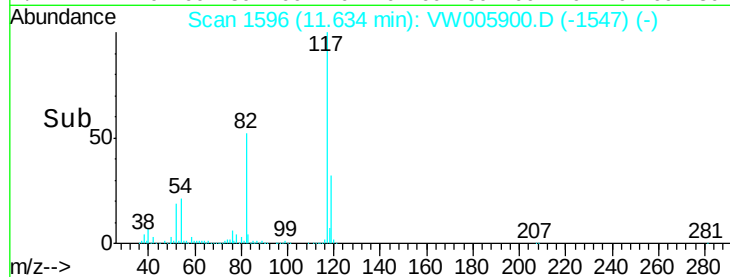
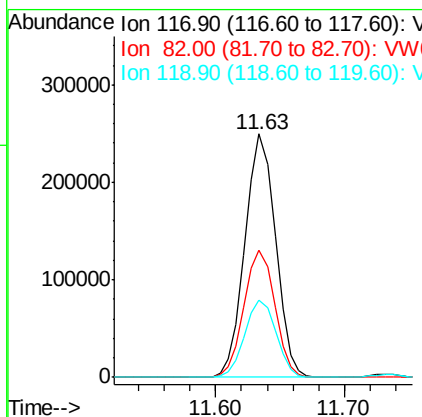
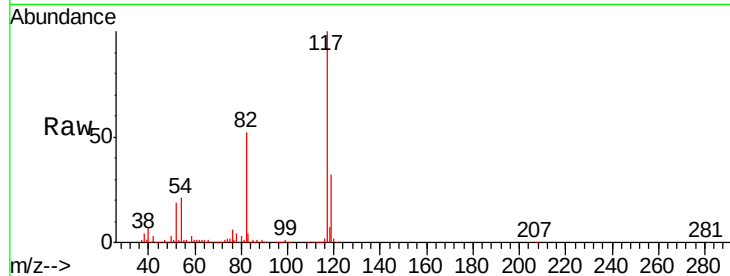
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	410098		
82	52.3		43.5	65.3
119	31.5		25.4	38.2

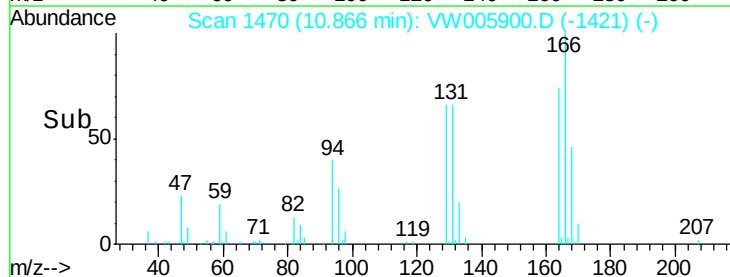
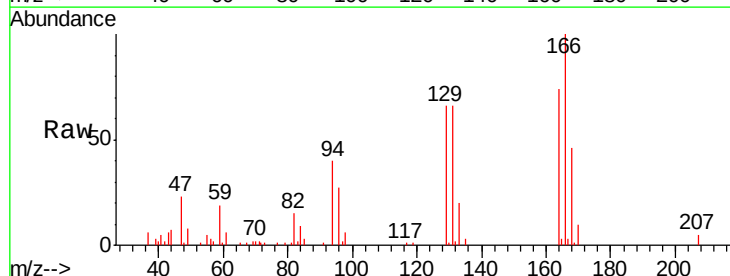
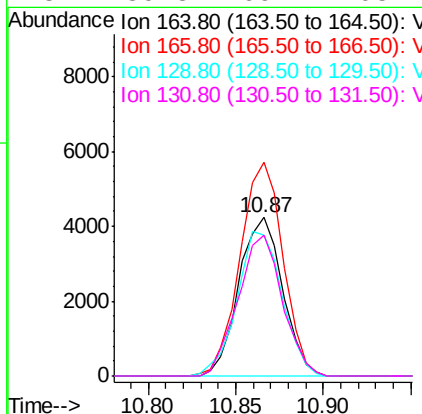
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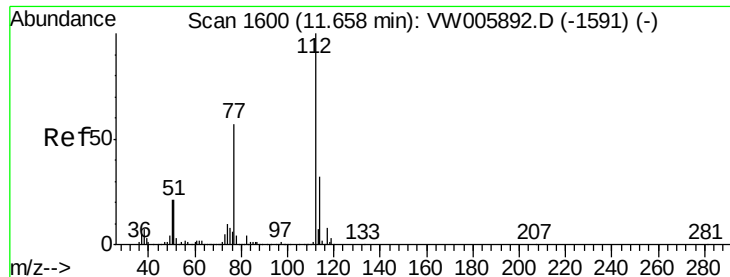
apatel
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#64
Tetrachloroethene
Concen: 2.41 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	7368		
166	135.0		101.5	152.3
129	89.1		71.1	106.7
131	89.3		69.1	103.7





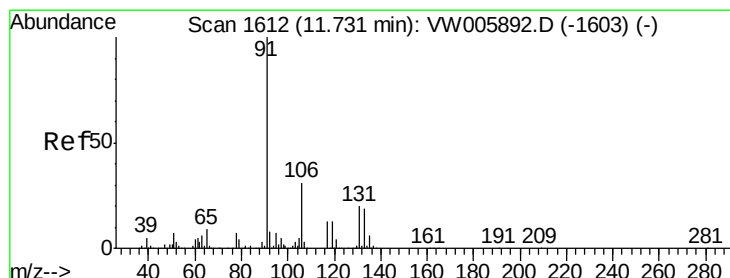
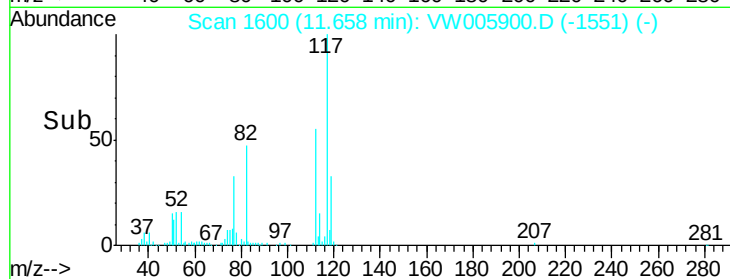
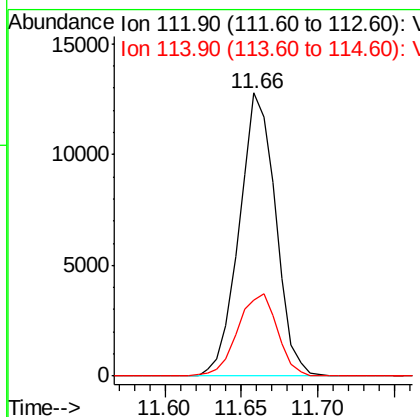
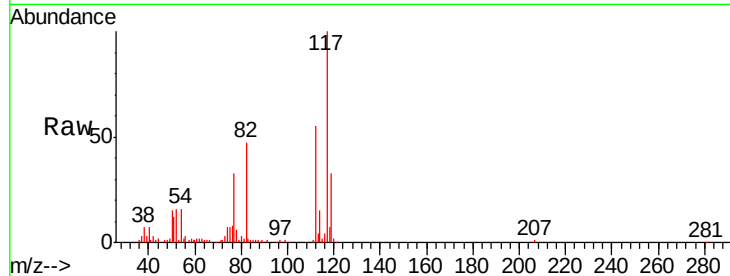
#65
Chlorobenzene
Concen: 2.40 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	21112		
114	27.0	25.6	38.4	

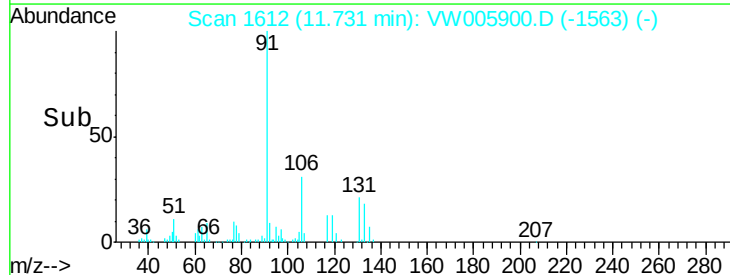
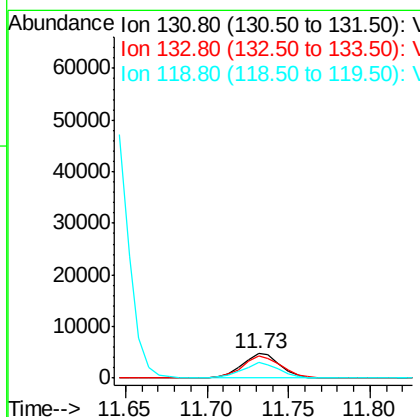
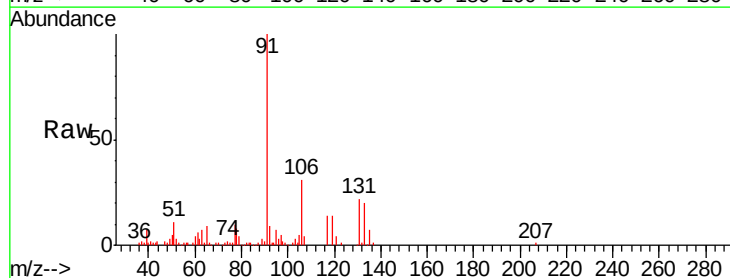
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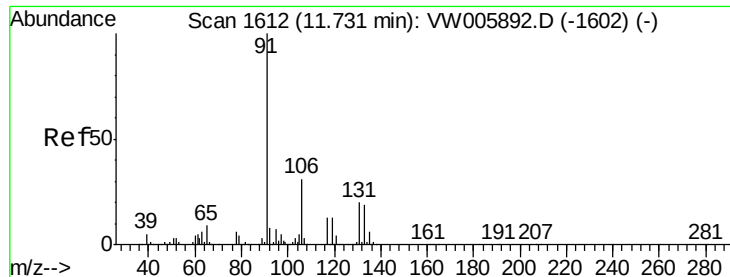
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#66
1,1,1,2-Tetrachloroethane
Concen: 2.41 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	7770		
133	92.2	48.2	144.6	
119	64.9	32.5	97.5	





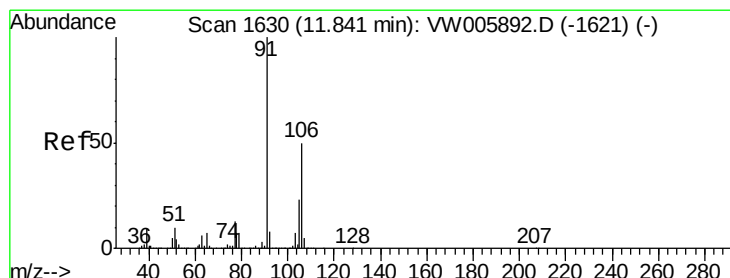
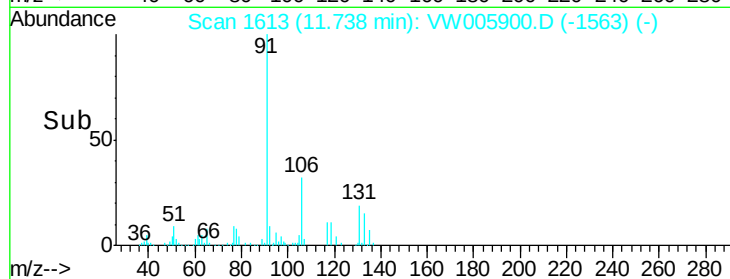
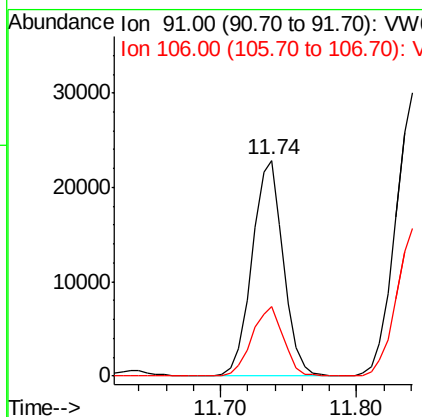
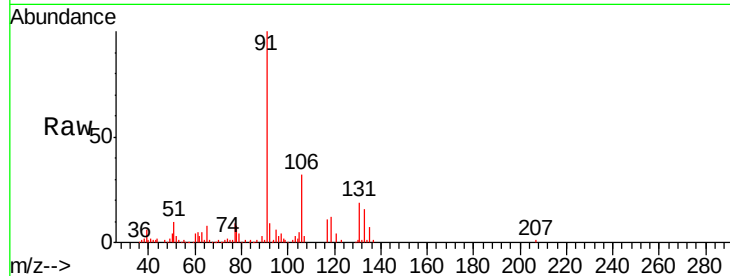
#67
Ethyl Benzene
Concen: 2.39 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 91 Resp: 37007
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.6

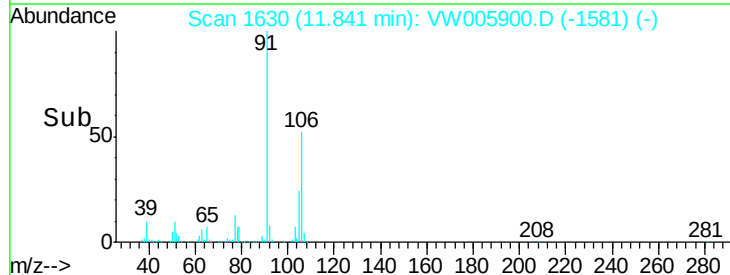
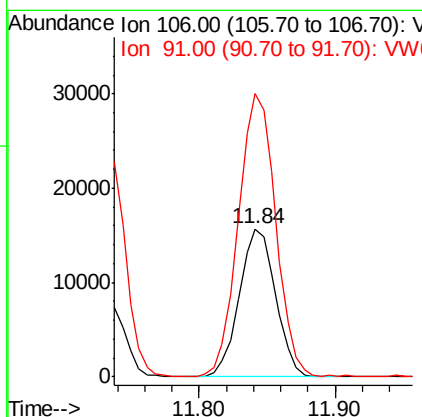
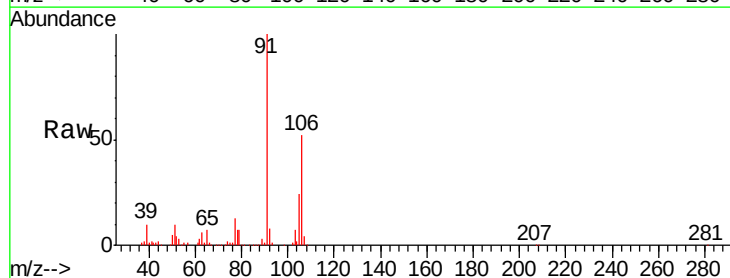
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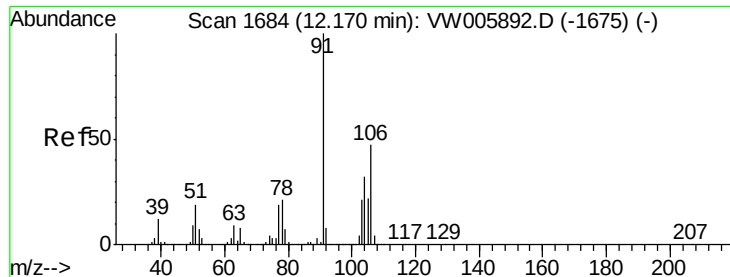
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#68
m/p-Xylenes
Concen: 4.81 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion: 106 Resp: 29141
Ion Ratio Lower Upper
106 100
91 197.7 160.2 240.2





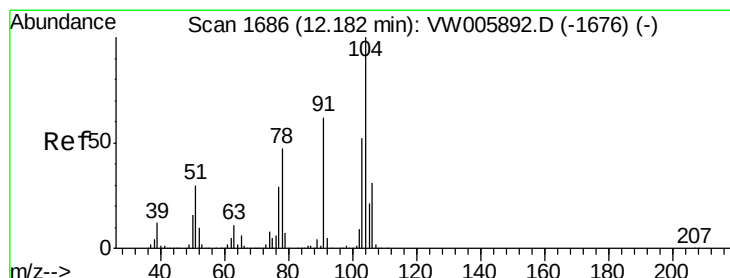
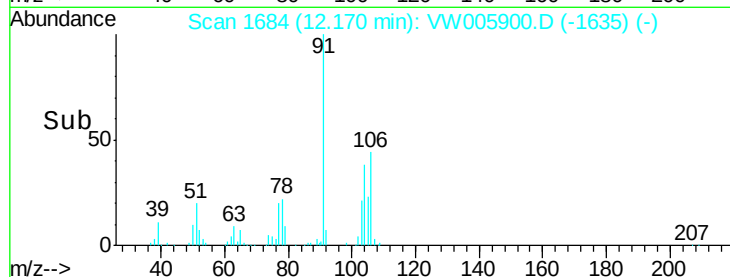
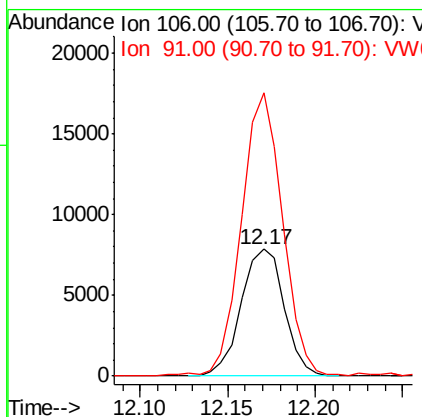
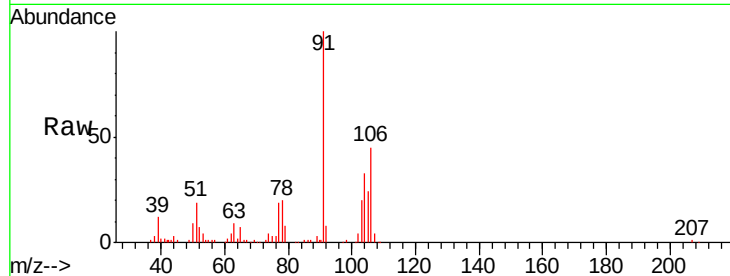
#69
o-Xylene
Concen: 2.32 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion:106 Resp: 13458
Ion Ratio Lower Upper
106 100
91 213.9 106.2 318.5

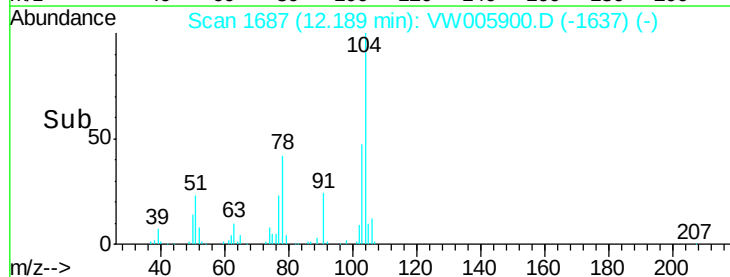
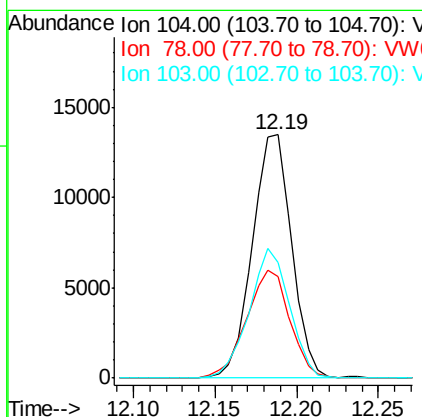
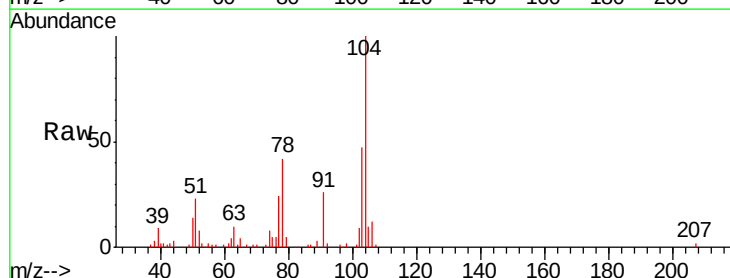
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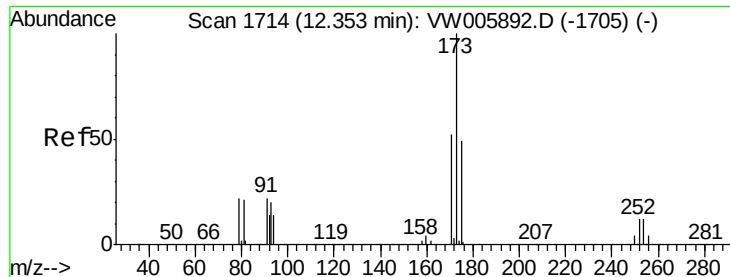
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#70
Styrene
Concen: 2.34 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion:104 Resp: 22535
Ion Ratio Lower Upper
104 100
78 48.8 40.4 60.6
103 54.7 44.2 66.2





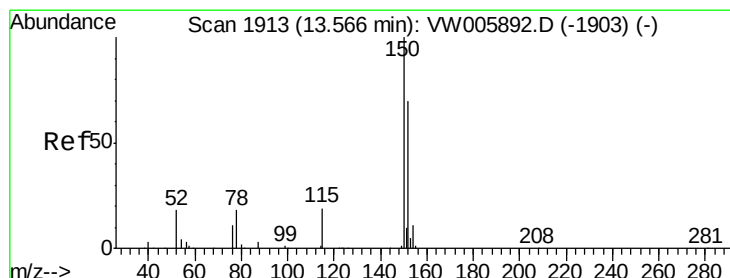
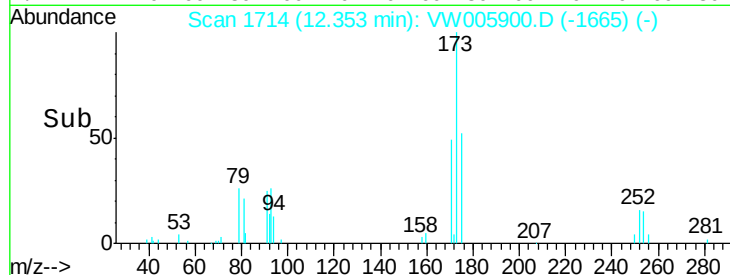
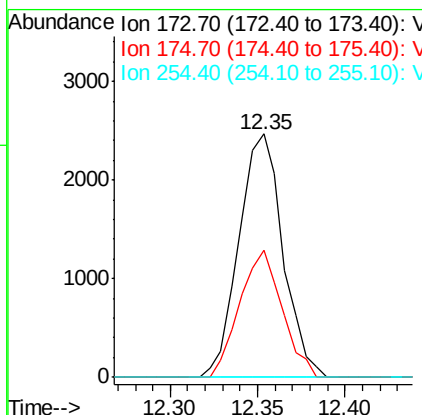
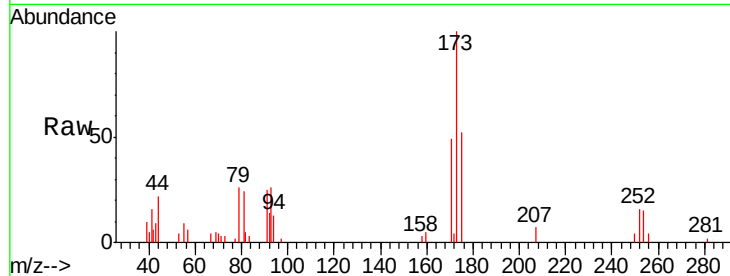
#71
Bromoform
Concen: 2.25 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.7	74.1
254	0.0	0.2	0.2

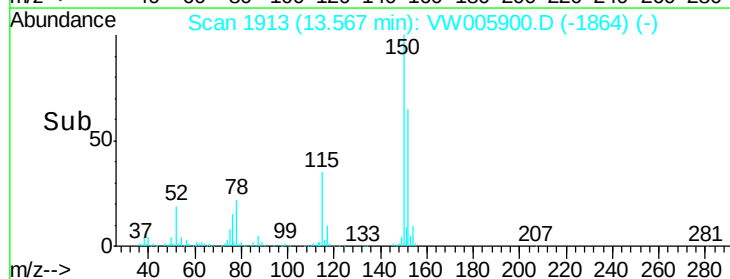
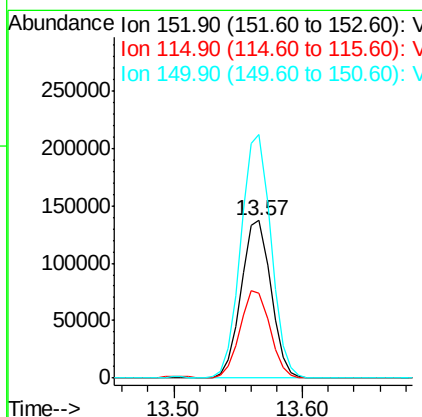
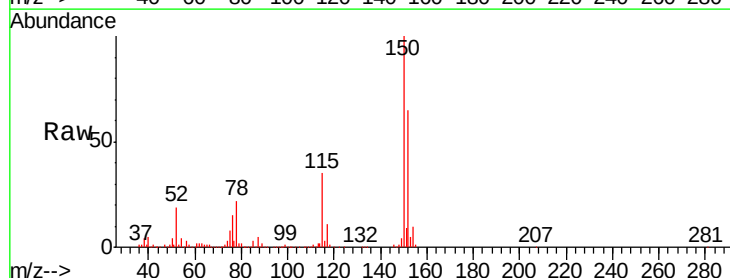
Manual Integrations
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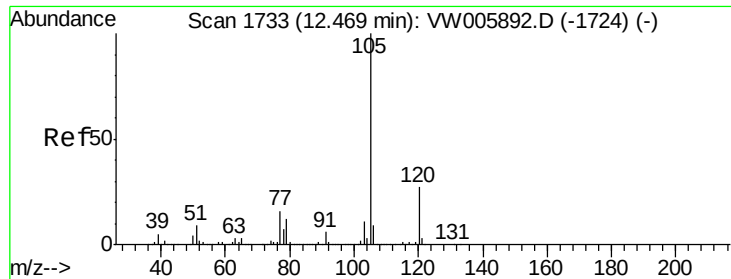
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.3	85.0
150	156.1	0.0	349.2





#73

Isopropylbenzene

Concen: 2.31 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 105 Resp: 37122

Ion Ratio Lower Upper

105 100

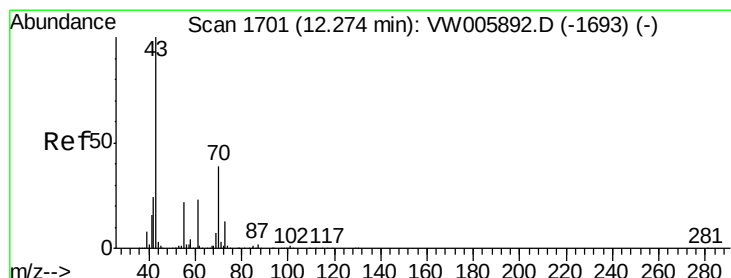
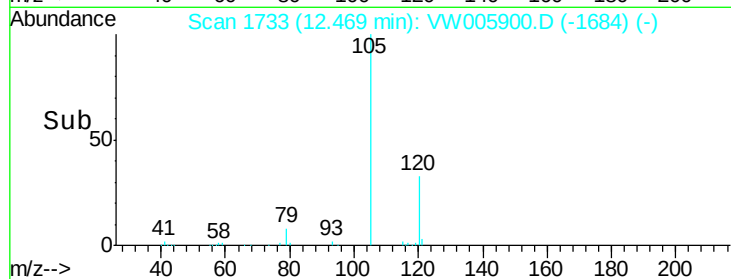
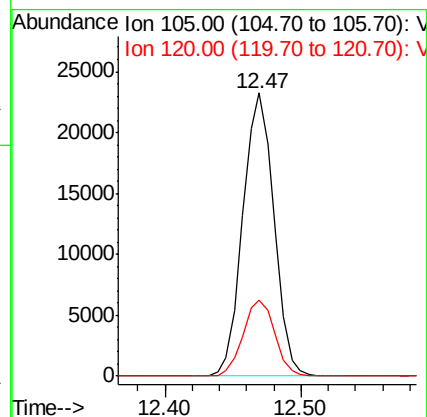
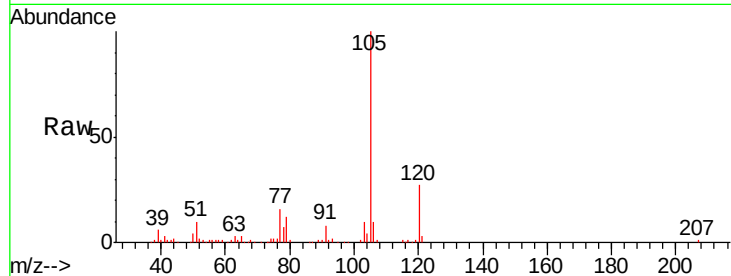
120 27.4 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 2.36 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Tgt Ion: 43 Resp: 9014

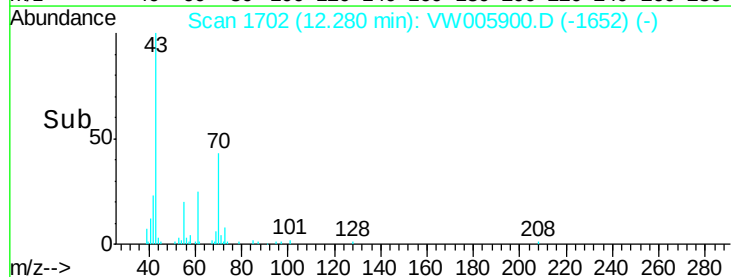
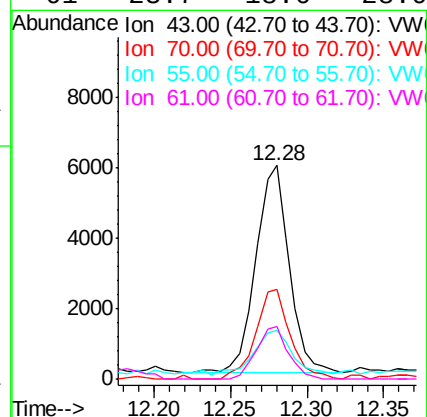
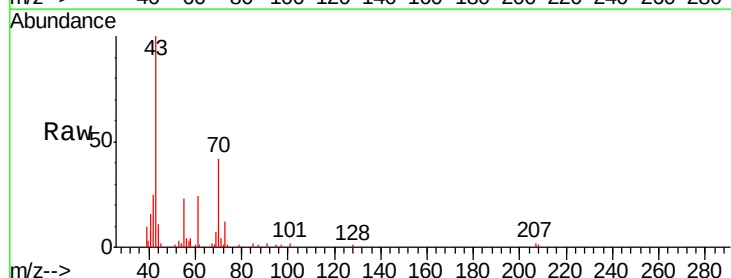
Ion Ratio Lower Upper

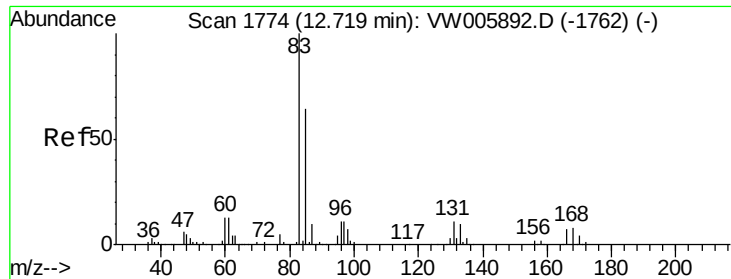
43 100

70 43.9 31.6 47.4

55 24.1 17.9 26.9

61 23.7 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 2.49 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

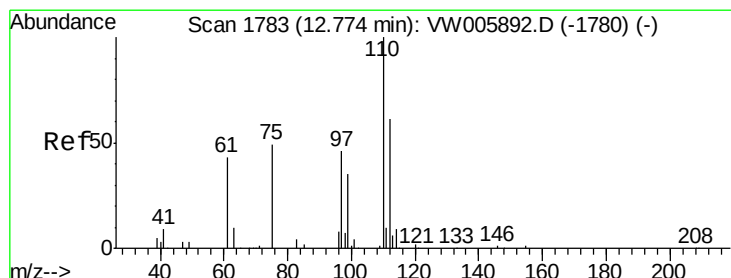
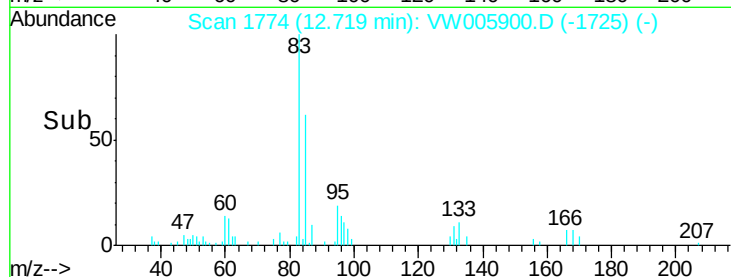
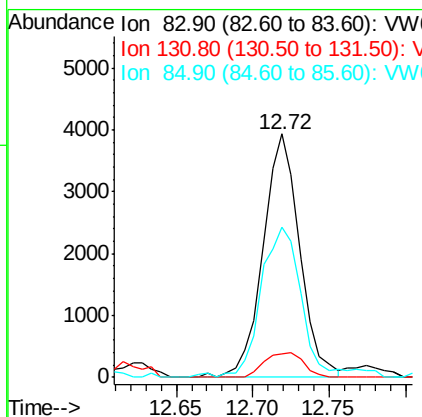
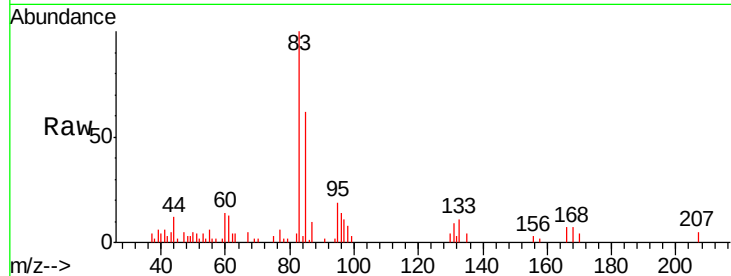
ClientSampleID :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion:	83	Resp:	6565
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.8	17.3
85	66.9	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 2.40 ug/l m

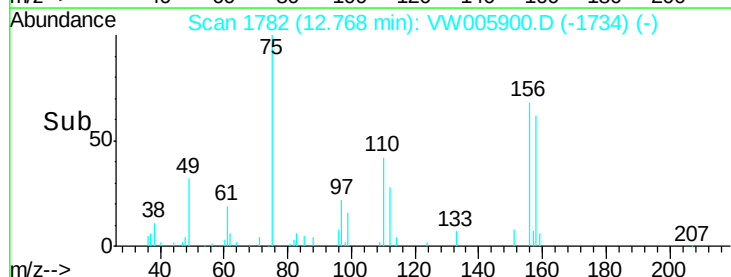
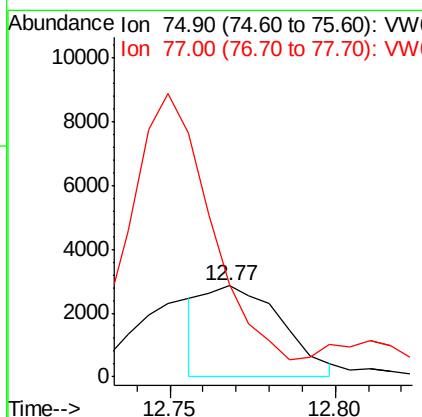
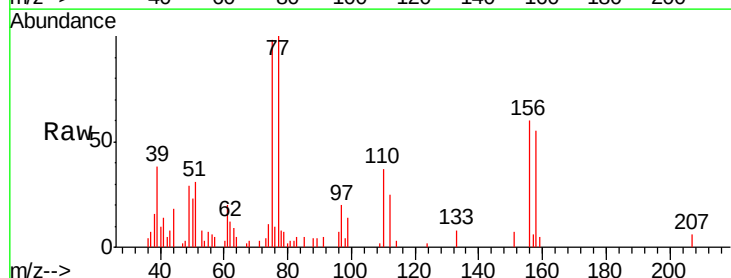
RT: 12.77 min Scan# 1782

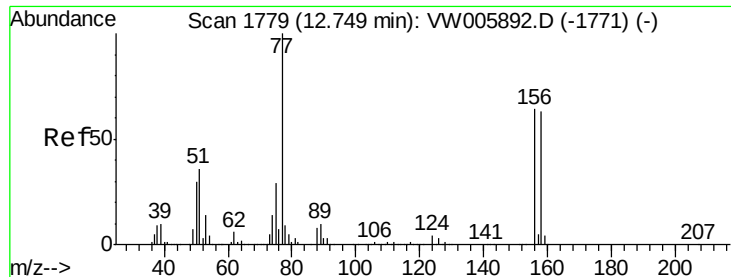
Delta R.T. -0.01 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Tgt Ion:	75	Resp:	4715
Ion	Ratio	Lower	Upper
75	100		
77	336.7	0.0	0.0#





#77

Bromobenzene

Concen: 2.44 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

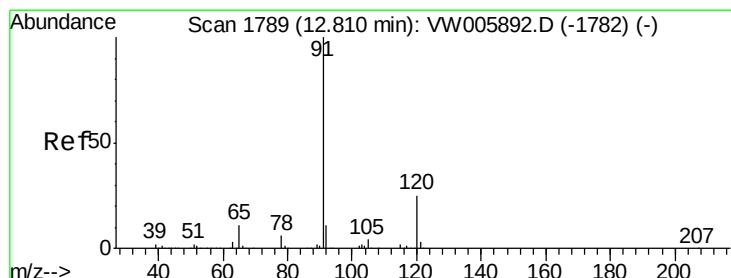
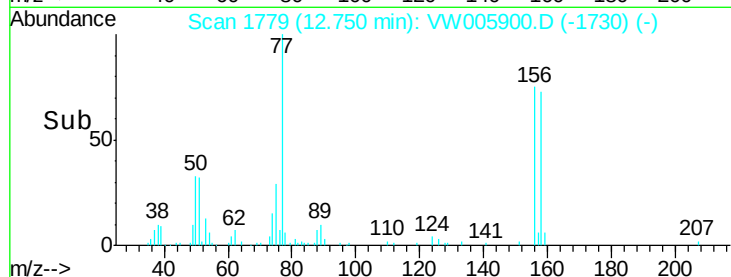
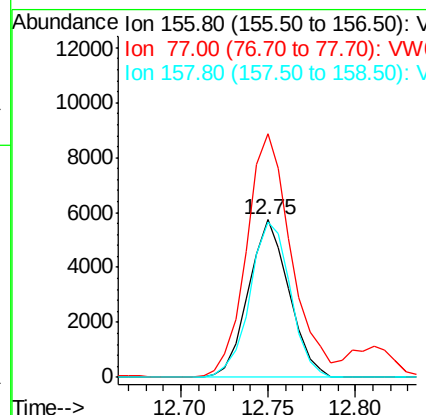
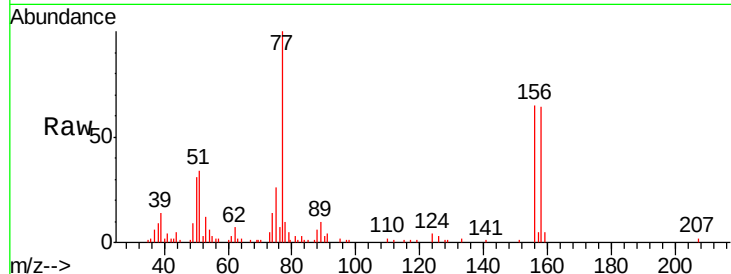
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion:	156	Resp:	9302
Ion Ratio	Lower	Upper	
156	100		
77	170.7	85.8	257.4
158	98.3	49.1	147.4

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#78

n-propylbenzene

Concen: 2.29 ug/l

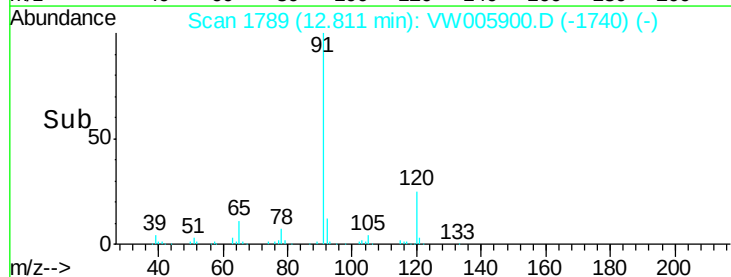
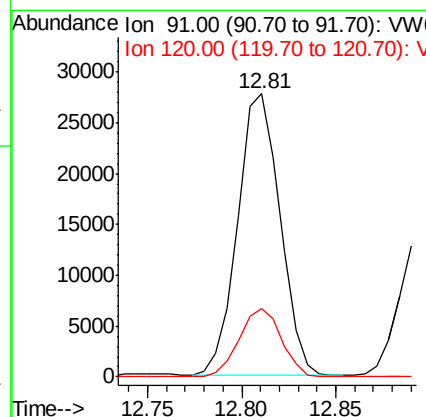
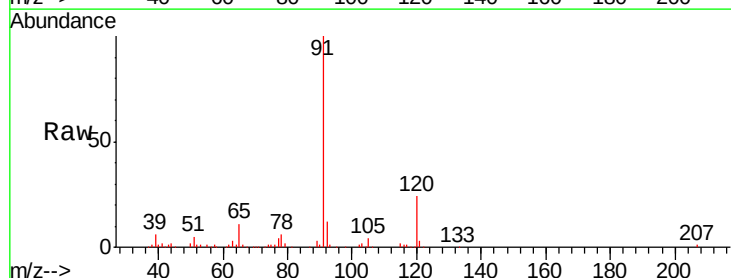
RT: 12.81 min Scan# 1789

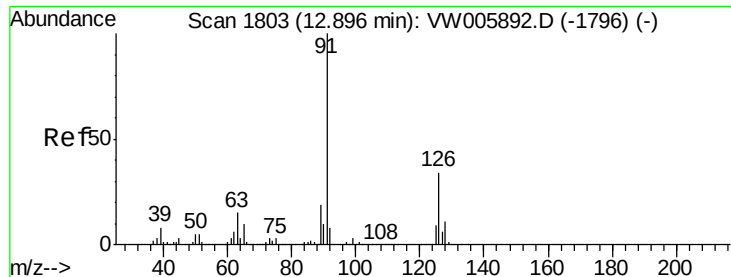
Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Tgt Ion:	91	Resp:	43369
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.0	36.0





#79

2-Chlorotoluene

Concen: 2.36 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion: 91 Resp: 25174

Ion Ratio Lower Upper

91 100

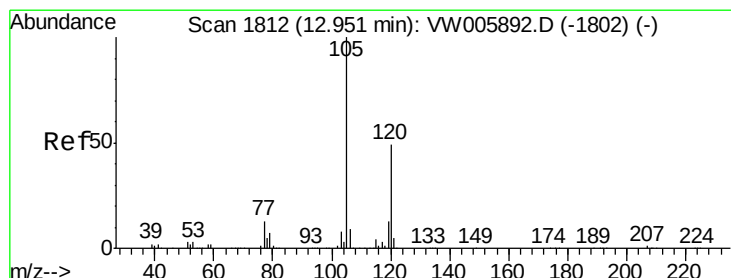
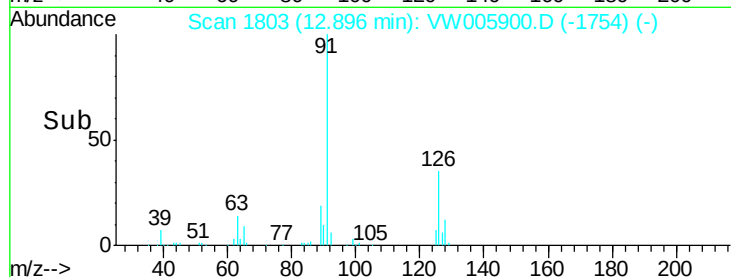
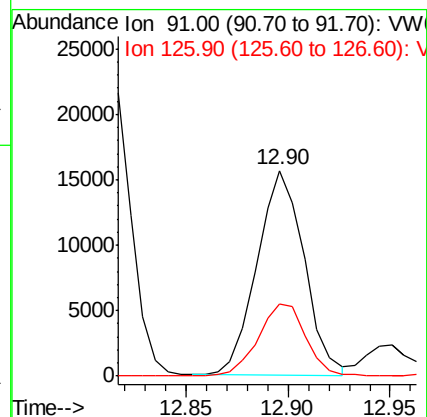
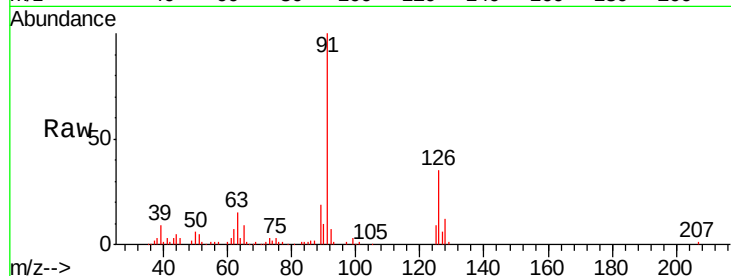
126 35.7 17.5 52.5

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#80

1,3,5-Trimethylbenzene

Concen: 2.35 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005900.D

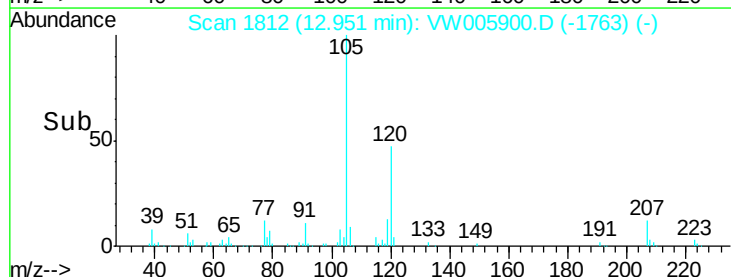
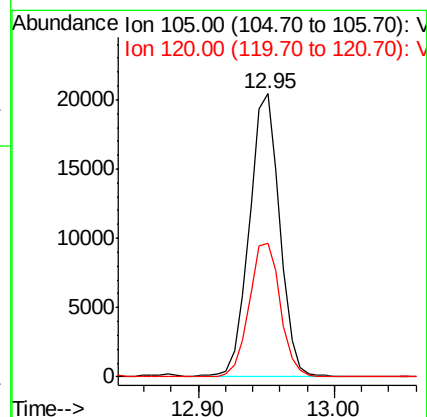
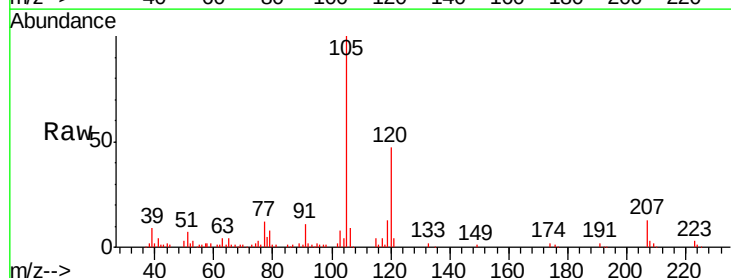
Acq: 08 Oct 2018 17:17

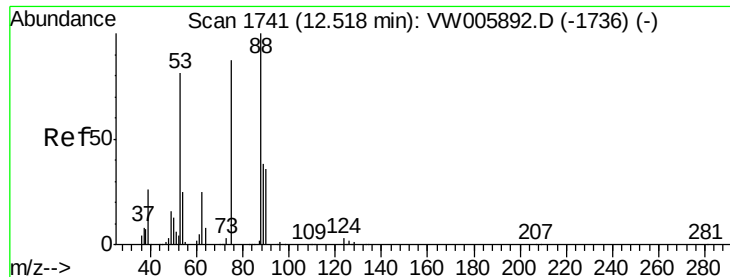
Tgt Ion: 105 Resp: 31919

Ion Ratio Lower Upper

105 100

120 48.6 24.6 73.8





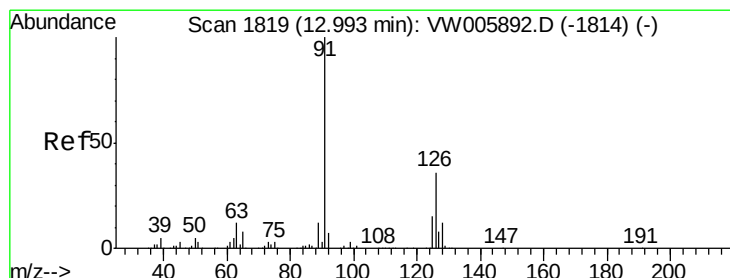
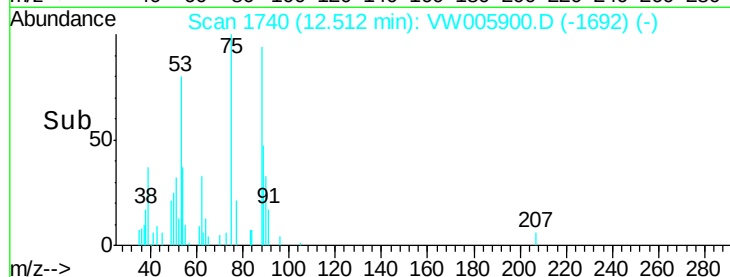
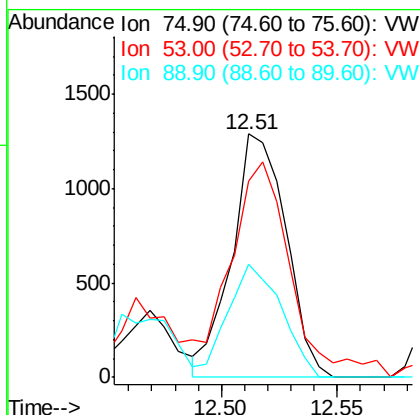
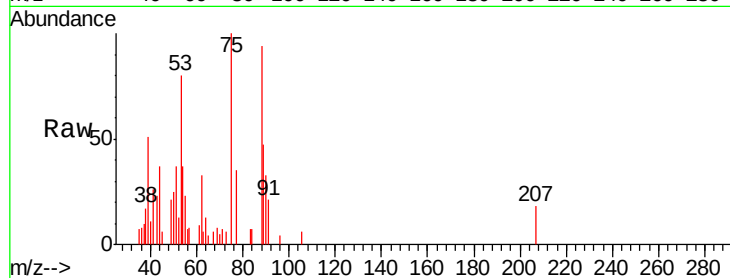
#81
trans-1,4-Dichloro-2-butene
Concen: 2.25 ug/l m
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2099		
53	6.8		76.5	114.7#
89	0.0		37.6	56.4#

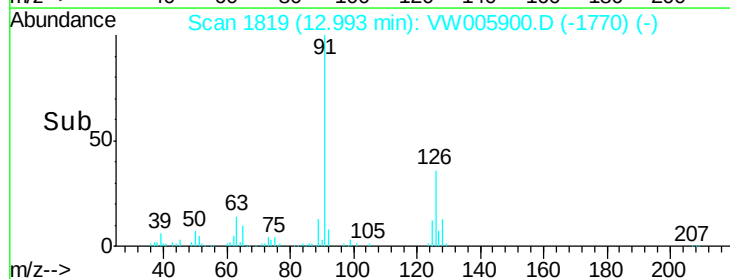
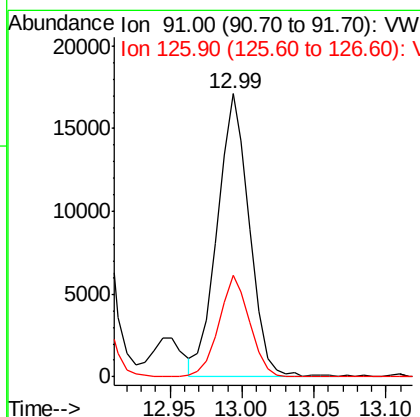
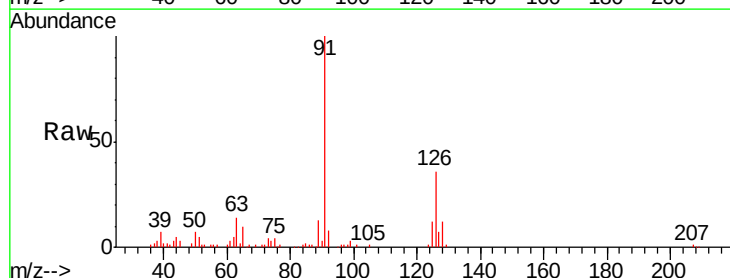
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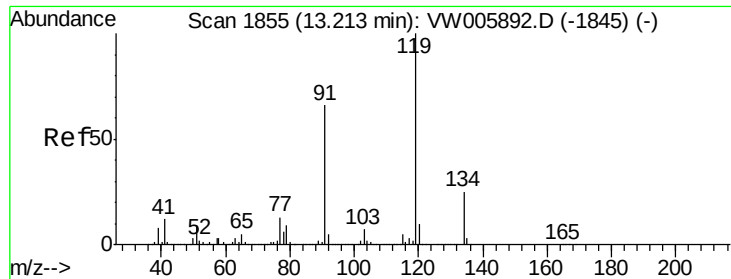
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#82
4-Chlorotoluene
Concen: 2.38 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	26686		
126	34.2		17.4	52.2





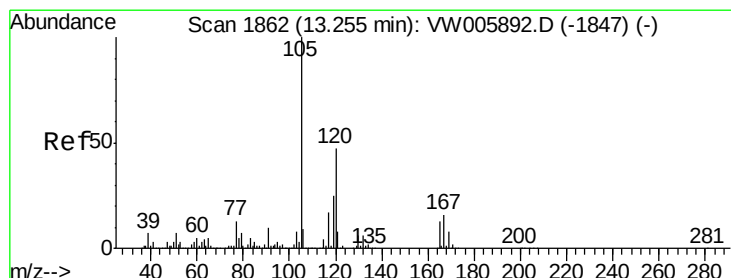
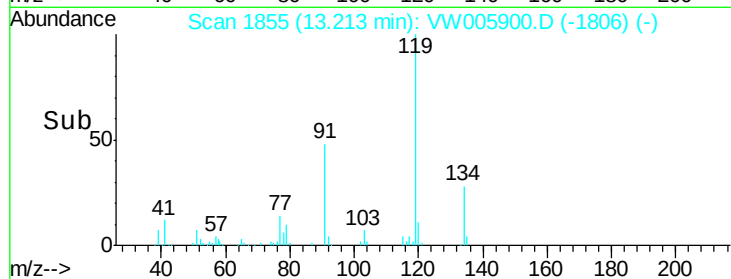
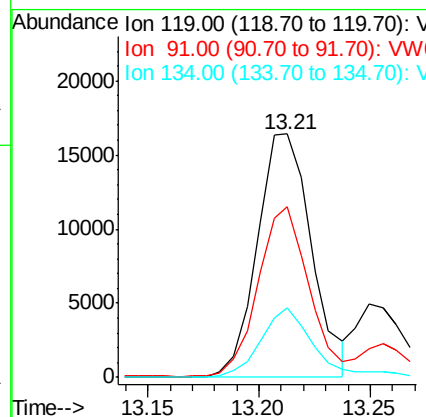
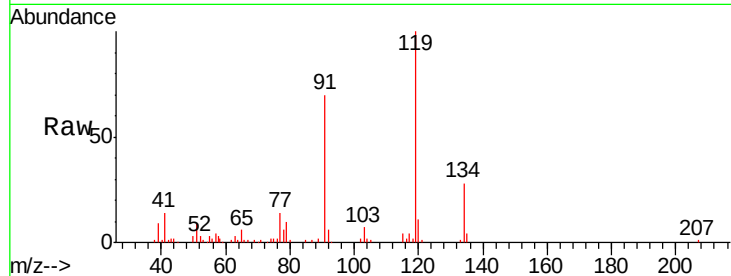
#83
 tert-Butylbenzene
 Concen: 2.31 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.4	97.0
134	28.1	13.2	39.6

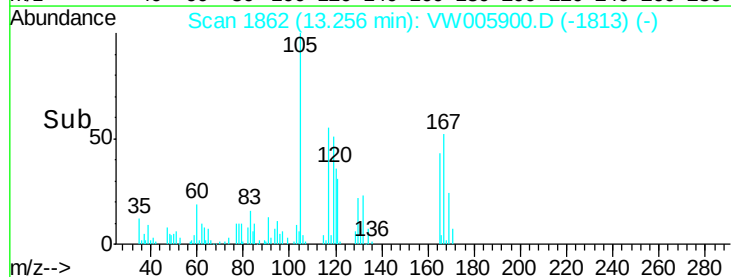
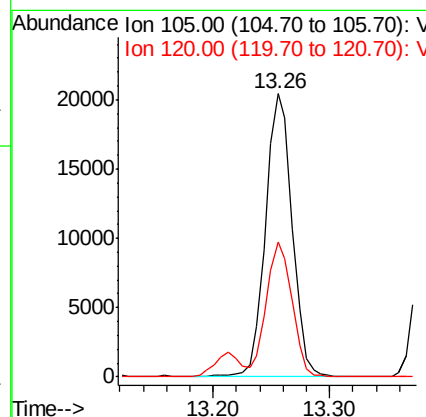
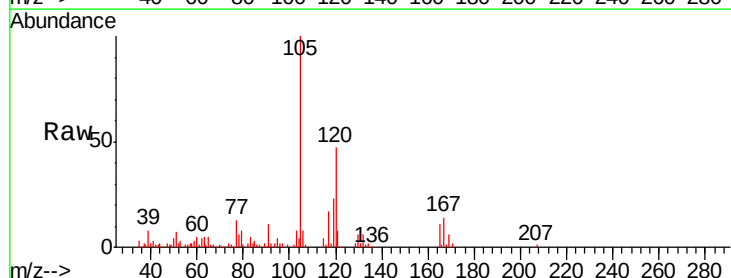
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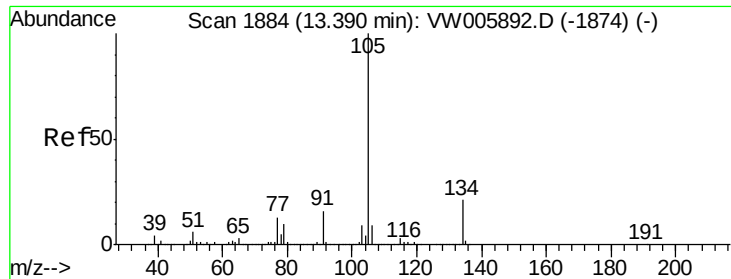
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#84
 1,2,4-Trimethylbenzene
 Concen: 2.36 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.8	68.3





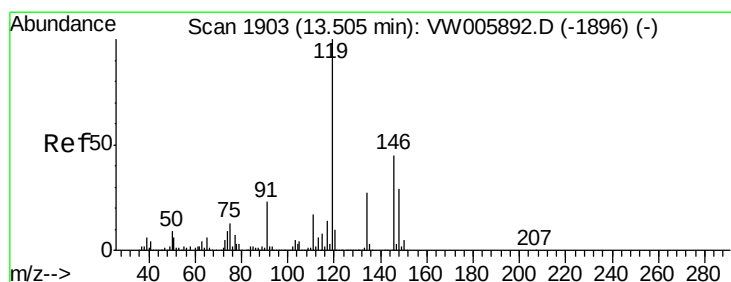
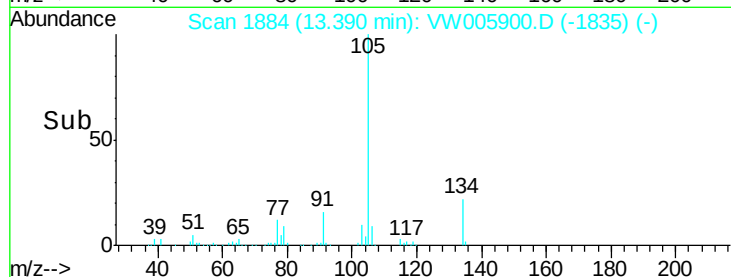
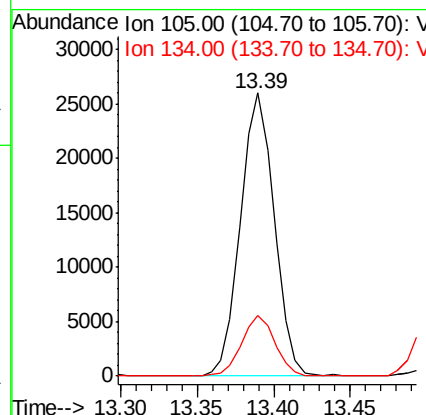
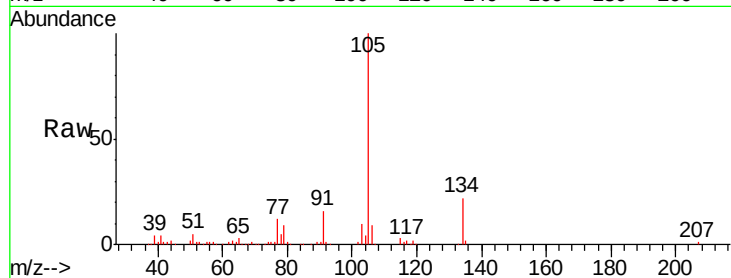
#85
 sec-Butylbenzene
 Concen: 2.36 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion:105 Resp: 39967
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.4 31.4

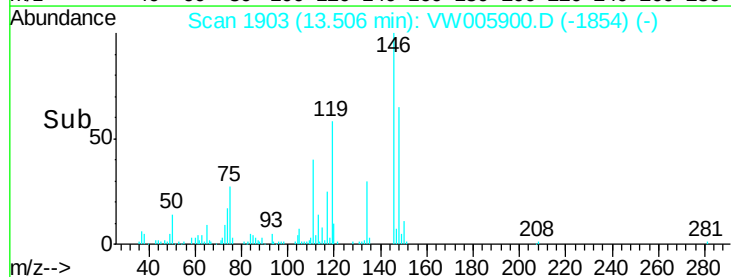
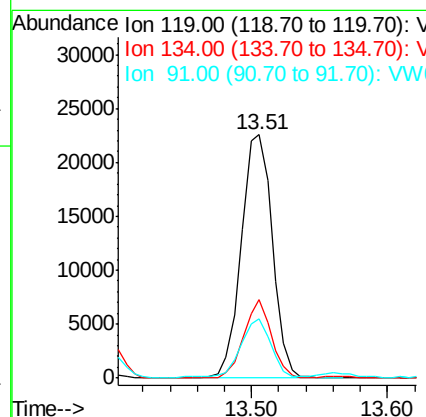
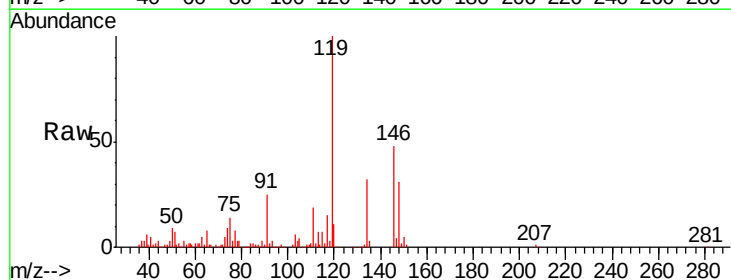
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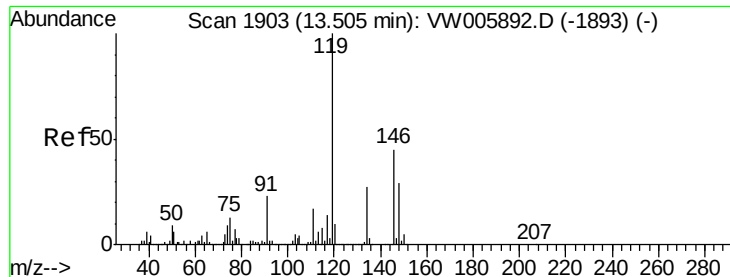
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#86
 p-Isopropyltoluene
 Concen: 2.36 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Tgt Ion:119 Resp: 35962
 Ion Ratio Lower Upper
 119 100
 134 28.3 13.5 40.5
 91 24.5 11.9 35.5





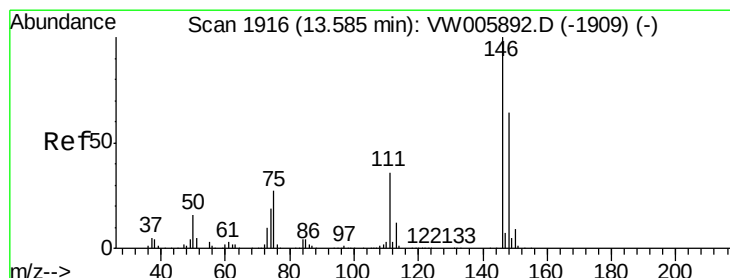
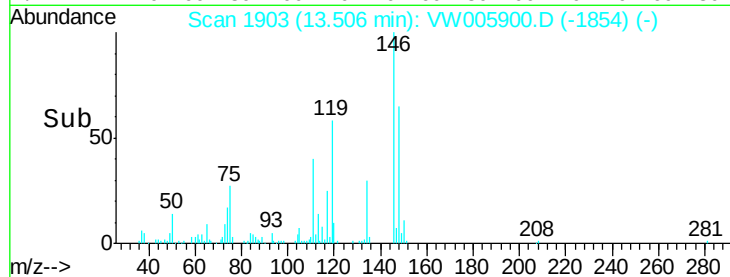
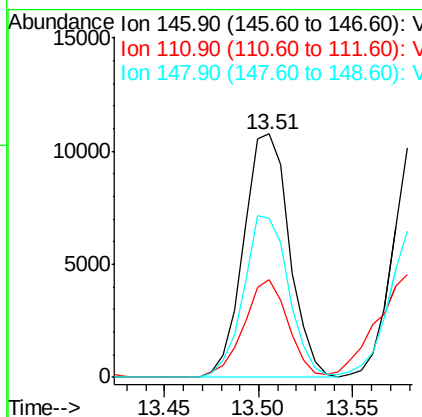
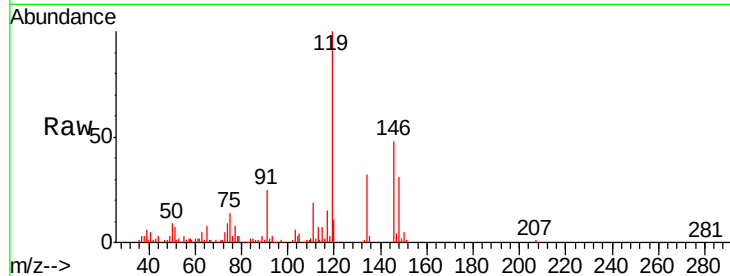
#87
 1,3-Dichlorobenzene
 Concen: 2.39 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	65.7	32.1	96.5

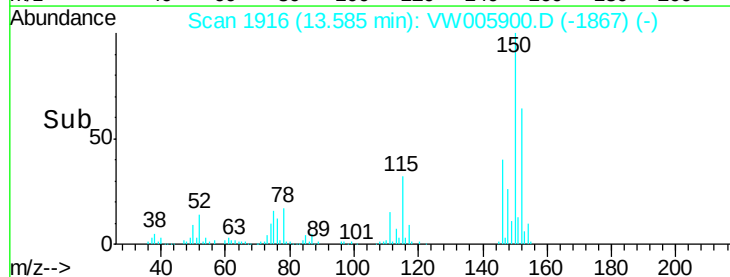
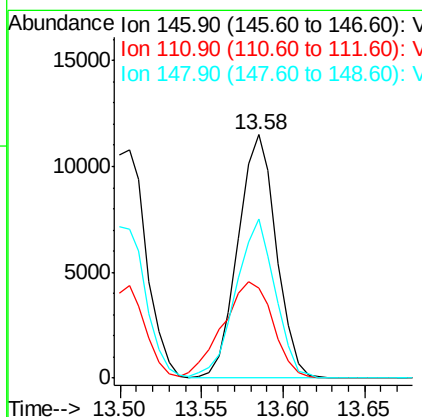
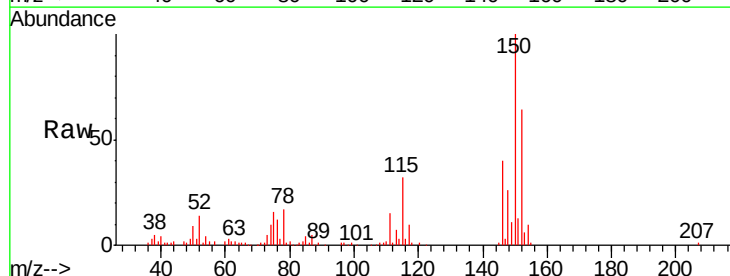
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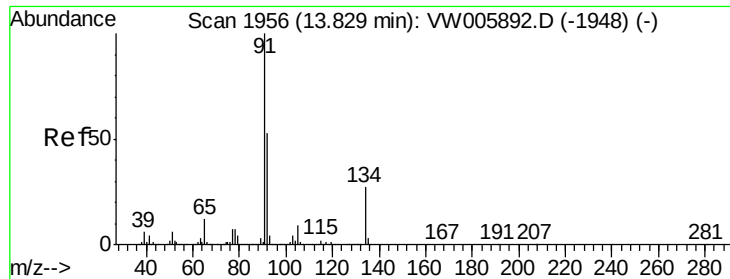
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#88
 1,4-Dichlorobenzene
 Concen: 2.50 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.0	19.0	57.0
148	67.3	32.0	96.2





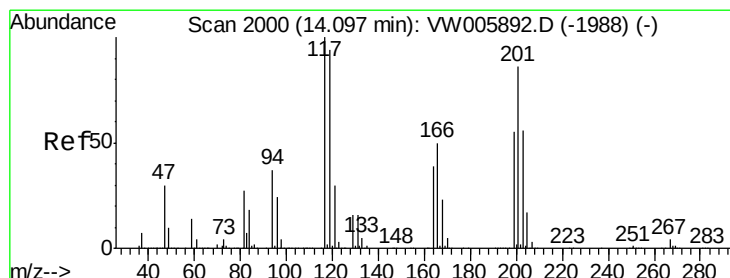
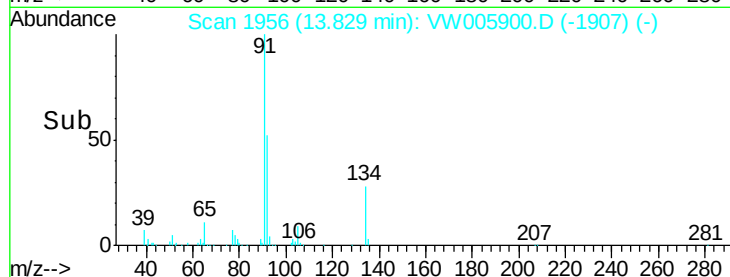
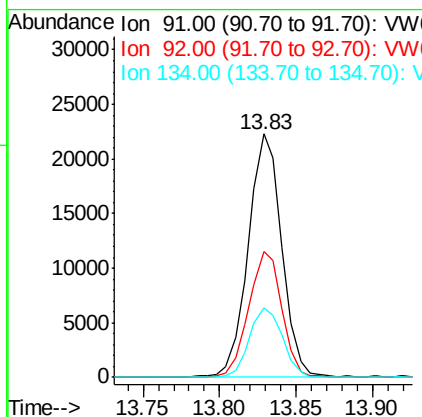
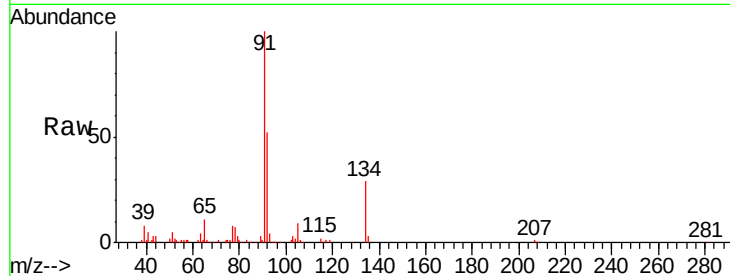
#89
n-Butylbenzene
Concen: 2.36 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.6	79.8
134	28.3	13.8	41.4

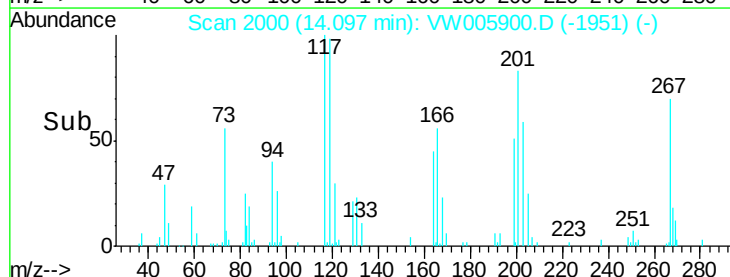
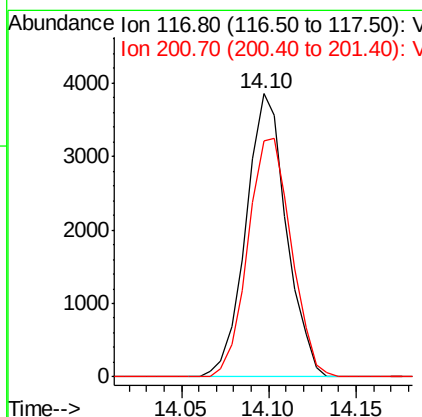
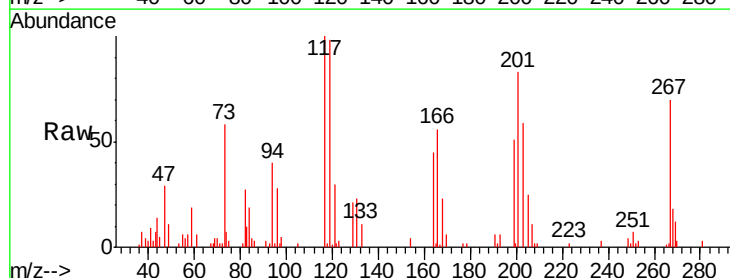
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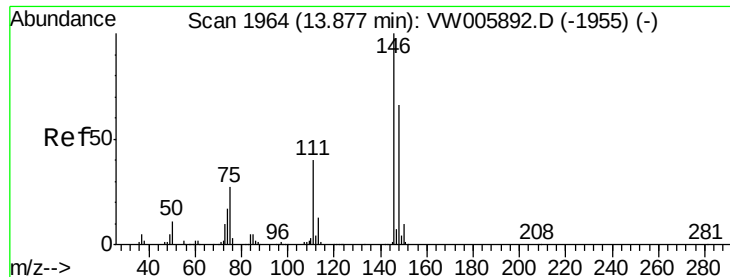
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#90
Hexachloroethane
Concen: 2.18 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW005900.D
Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	44.5	133.5





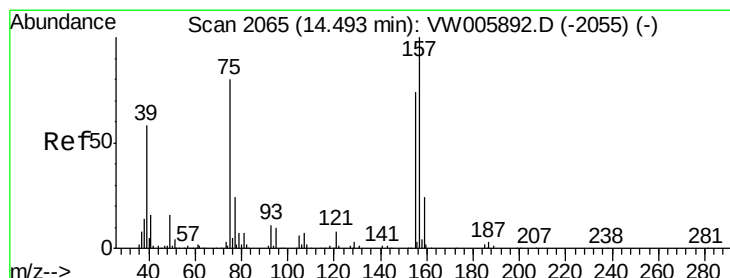
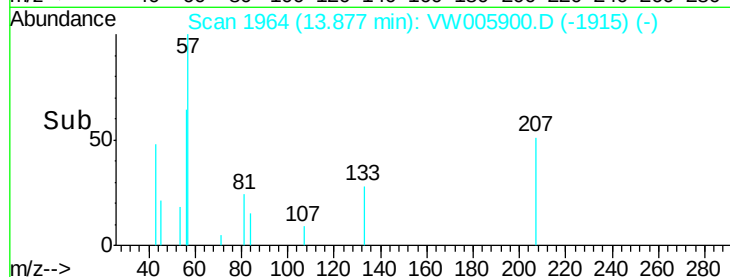
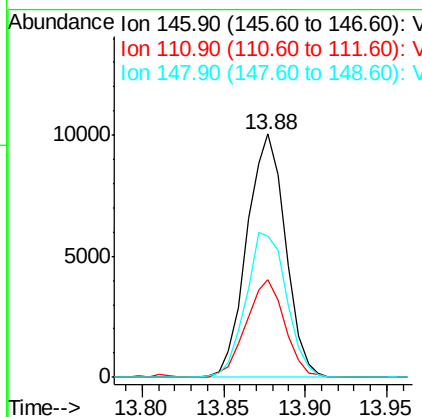
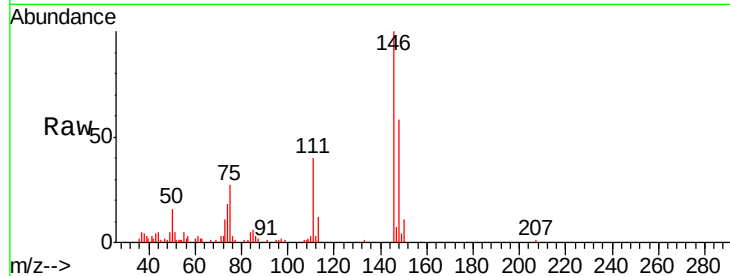
#91
 1,2-Dichlorobenzene
 Concen: 2.46 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	16501		
111	39.9	20.3	61.0	
148	62.7	32.5	97.4	

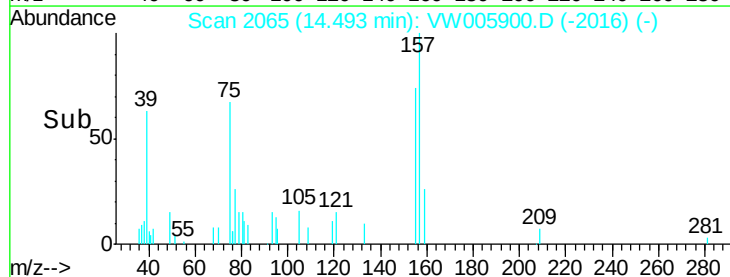
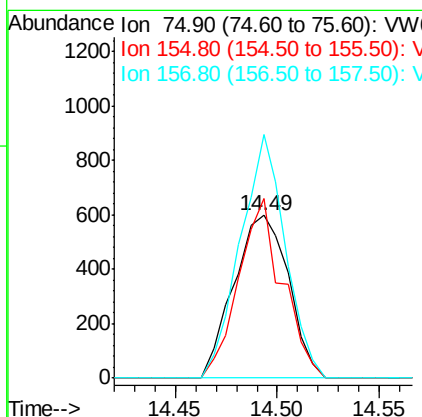
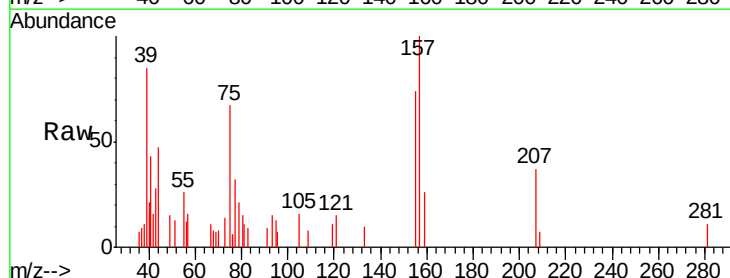
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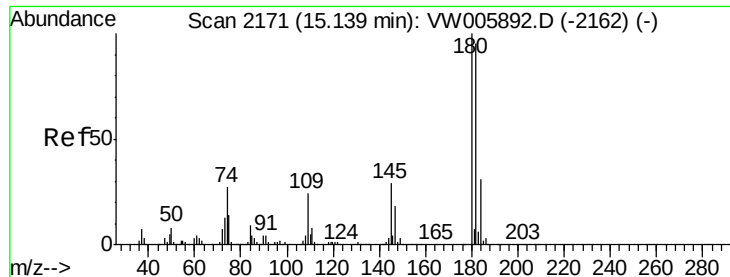
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.26 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1110		
155	88.6	44.8	134.3	
157	123.4	58.9	176.6	





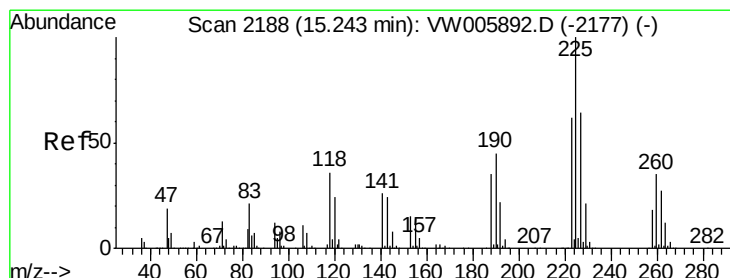
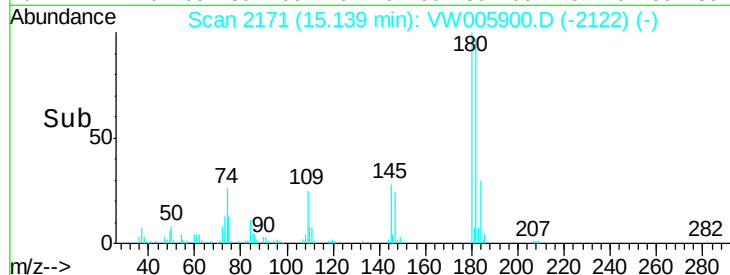
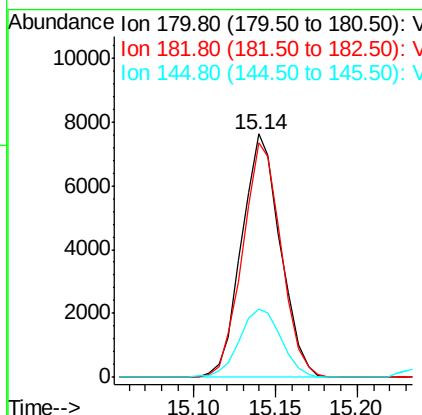
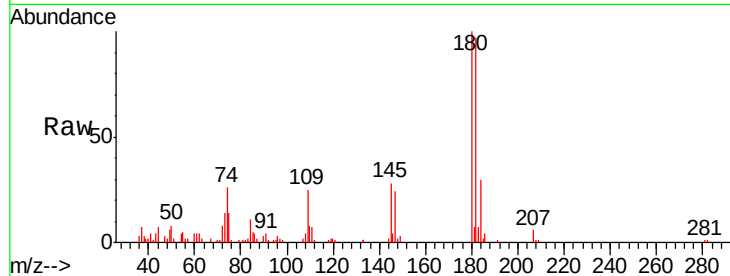
#93
 1,2,4-Trichlorobenzene
 Concen: 2.41 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	12562		
182	95.8	47.8	143.3	
145	30.5	14.5	43.6	

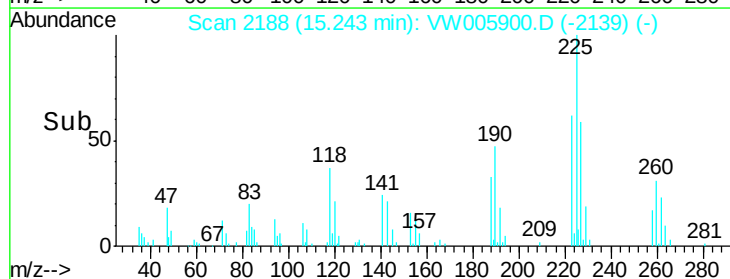
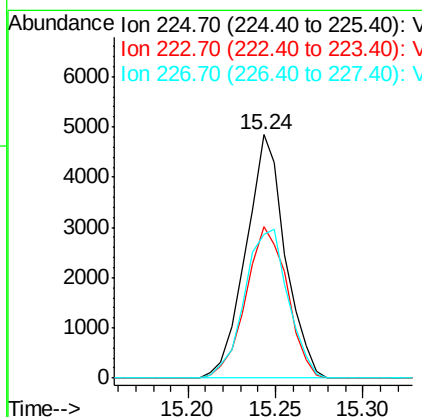
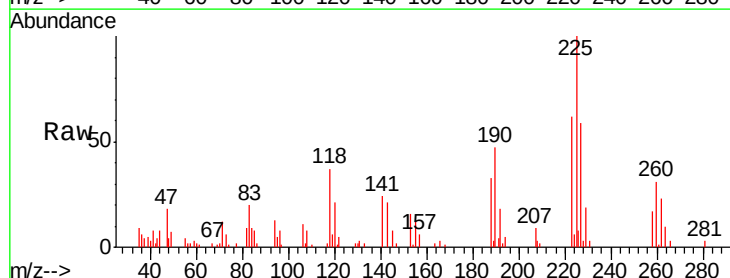
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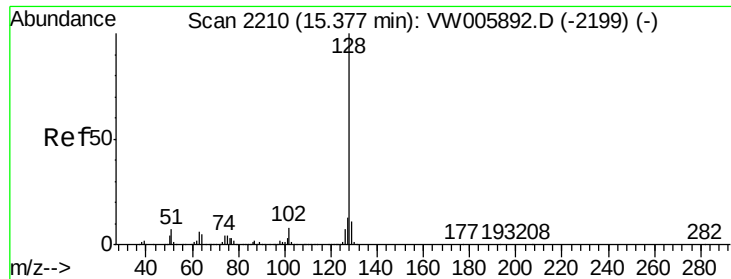
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#94
 Hexachlorobutadiene
 Concen: 2.32 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW005900.D
 Acq: 08 Oct 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	7554		
223	65.5	31.2	93.6	
227	67.7	31.9	95.9	





#95

Naphthalene

Concen: 2.44 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Instrument :

MSVOA_W

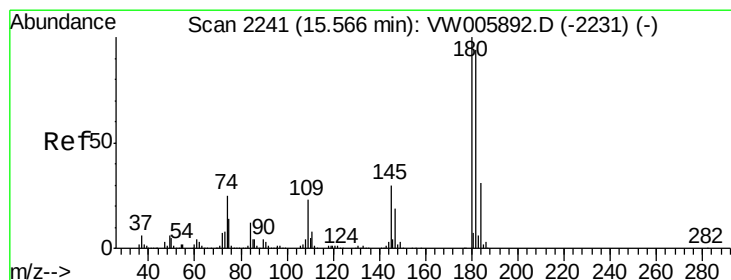
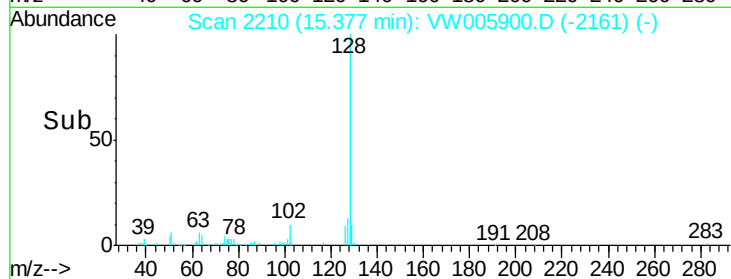
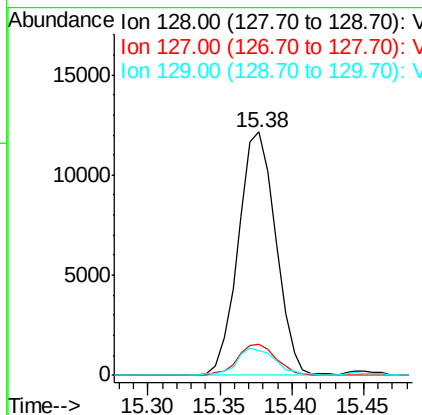
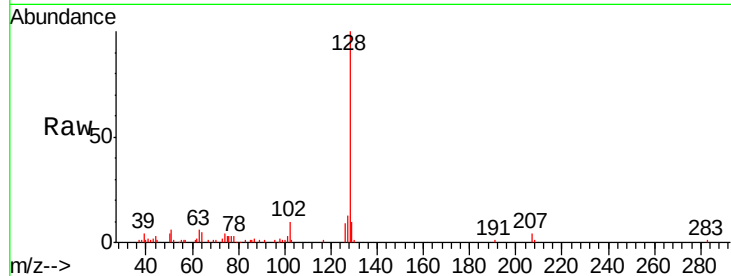
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018DL

Tgt Ion:	128	Resp:	21904
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.4	8.9	13.3

Manual Integrations
APPROVED

apatel
10/9/2018 4:26:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 2.48 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005900.D

Acq: 08 Oct 2018 17:17

Tgt Ion:	180	Resp:	11185
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.6	142.8
145	30.3	15.3	45.9

