

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059518.D
 Acq On : 2 Jul 2018 23:18
 Operator : VA/AP
 Sample : J3762-01
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

apatel
 7/3/2018 10:28:15 AM

Quant Time: Jul 03 09:29:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 09:04:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	662336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	948796	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	773731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	393373	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.99	65	453951	52.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.96%	
35) Dibromofluoromethane	5.52	113	435110	54.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.04%	
50) Toluene-d8	8.69	98	985866	53.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	11.92	95	410365	51.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	17228	2.04	ug/l	92
3) Chloromethane	1.46	50	10250	2.56	ug/l	92
4) Vinyl Chloride	1.53	62	7605	1.91	ug/l #	86
5) Bromomethane	1.78	94	4492	2.98	ug/l #	77
6) Chloroethane	1.87	64	4698	2.62	ug/l #	70
7) Trichlorofluoromethane	2.06	101	15933	2.42	ug/l #	81
8) Diethyl Ether	2.31	74	2430	1.92	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.53	101	8149	2.03	ug/l #	85
10) Methyl Iodide	2.66	142	7086	1.77	ug/l #	95
11) Tert butyl alcohol	3.22	59	4373	15.27	ug/l #	72
12) 1,1-Dichloroethene	2.53	96	6418	2.09	ug/l #	51
13) Acrolein	2.45	56	650	3.98	ug/l	99
14) Allyl chloride	2.89	41	15582	2.30	ug/l #	78
15) Acrylonitrile	3.33	53	9452	11.94	ug/l	94
16) Acetone	2.58	43	16862	14.51	ug/l #	88
17) Carbon Disulfide	2.72	76	17084	4.61	ug/l	97
18) Methyl Acetate	2.91	43	9012	1.16	ug/l #	87
19) Methyl tert-butyl Ether	3.38	73	14994	1.89	ug/l	99
20) Methylene Chloride	3.04	84	23816	5.29	ug/l	99
21) trans-1,2-Dichloroethene	3.35	96	6616	1.95	ug/l #	77
22) Diisopropyl ether	4.04	45	46916	1.90	ug/l #	90
23) Vinyl Acetate	3.98	43	116448	8.55	ug/l #	95
24) 1,1-Dichloroethane	3.93	63	29138	2.09	ug/l	97
25) 2-Butanone	4.82	43	30646	12.68	ug/l	96
26) 2,2-Dichloropropane	4.77	77	28041	2.45	ug/l	97
27) cis-1,2-Dichloroethene	4.78	96	15225	2.08	ug/l	76
28) Bromochloromethane	5.11	49	9836	1.83	ug/l	94
29) Tetrahydrofuran	5.16	42	13078	10.62	ug/l	97
30) Chloroform	5.29	83	30647	2.08	ug/l	89
31) Cyclohexane	5.61	56	37253m	1.22	ug/l	
32) 1,1,1-Trichloroethane	5.47	97	23509	2.01	ug/l	87
36) 1,1-Dichloropropene	5.71	75	24479	2.40	ug/l	90
37) Ethyl Acetate	4.89	43	16031	2.83	ug/l #	80
38) Carbon Tetrachloride	5.69	117	22212	2.22	ug/l #	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	19672	2.12	ug/l #	88
40) Benzene	5.98	78	46680	1.99	ug/l	92
41) Methacrylonitrile	5.10	41	6830	2.38	ug/l #	90
42) 1,2-Dichloroethane	6.10	62	23737	2.26	ug/l	95
43) Isopropyl Acetate	7.60	43	16025	2.14	ug/l #	94
44) Trichloroethene	6.96	130	15160	2.13	ug/l	92
45) 1,2-Dichloropropane	7.32	63	13781	2.10	ug/l	95
46) Dibromomethane	7.44	93	9305	2.10	ug/l #	77
47) Bromodichloromethane	7.72	83	17957	1.74	ug/l #	87
48) Methyl methacrylate	7.48	41	9989	2.14	ug/l #	86
49) 1,4-Dioxane	7.48	88	838	19.23	ug/l #	45
51) 4-Methyl-2-Pentanone	8.57	43	55384	11.31	ug/l	98
52) Toluene	8.78	92	31106	2.40	ug/l	97
53) t-1,3-Dichloropropene	9.16	75	16847	1.87	ug/l	92
54) cis-1,3-Dichloropropene	8.33	75	18327	1.76	ug/l #	94
55) 1,1,2-Trichloroethane	9.44	97	11664	2.46	ug/l #	83
56) Ethyl methacrylate	9.29	69	10652	1.79	ug/l	89
57) 1,3-Dichloropropane	9.64	76	18632	2.18	ug/l #	78
58) 2-Chloroethyl Vinyl ether	8.17	63	31574	10.98	ug/l	98
59) 2-Hexanone	9.77	43	40145	11.15	ug/l	94
60) Dibromochloromethane	9.94	129	12678	1.91	ug/l	81
61) 1,2-Dibromoethane	10.07	107	9506	1.81	ug/l	97
64) Tetrachloroethene	9.49	164	15959	2.40	ug/l	87
65) Chlorobenzene	10.71	112	33957	2.28	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.83	131	12448	2.05	ug/l	97
67) Ethyl Benzene	10.84	91	61873	2.34	ug/l	94
68) m/p-Xylenes	10.99	106	37243	4.27	ug/l	92
69) o-Xylene	11.39	106	19579	2.33	ug/l	93
70) Styrene	11.42	104	30929	2.20	ug/l	96
71) Bromoform	11.59	173	6695	1.46	ug/l	100
73) Isopropylbenzene	11.76	105	59419	2.53	ug/l	98
74) N-amyl acetate	11.63	43	20578	2.07	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	12017	1.97	ug/l	92
76) 1,2,3-Trichloropropane	12.10	75	13380	2.11	ug/l	99
77) Bromobenzene	12.03	156	16161	2.19	ug/l	87
78) n-propylbenzene	12.14	91	70271	2.23	ug/l	95
79) 2-Chlorotoluene	12.20	91	42490	2.29	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	44893	2.35	ug/l	79
81) trans-1,4-Dichloro-2-buten	11.83	75	1949m	3.15	ug/l	
82) 4-Chlorotoluene	12.31	91	48994	2.33	ug/l	87
83) tert-Butylbenzene	12.57	119	46320	2.13	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	46259	2.25	ug/l	90
85) sec-Butylbenzene	12.74	105	58606	2.35	ug/l	95
86) p-Isopropyltoluene	12.87	119	49098	2.35	ug/l	93
87) 1,3-Dichlorobenzene	12.83	146	29297	2.32	ug/l	87
88) 1,4-Dichlorobenzene	12.91	146	32159	2.59	ug/l	97
89) n-Butylbenzene	13.19	91	52279	2.45	ug/l	100
90) Hexachloroethane	13.39	117	9697	1.79	ug/l #	55
91) 1,2-Dichlorobenzene	13.18	146	26041	2.45	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.76	75	2294	2.18	ug/l #	59

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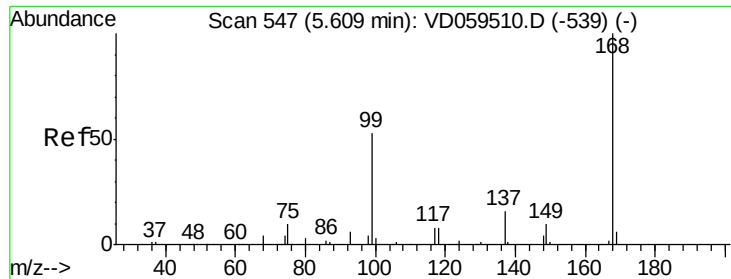
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	22096	2.35	ug/l	91
94) Hexachlorobutadiene	14.43	225	15636	2.17	ug/l	89
95) Naphthalene	14.51	128	33248	2.37	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	20061	2.42	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:168 Resp: 662336

Ion Ratio Lower Upper

168 100

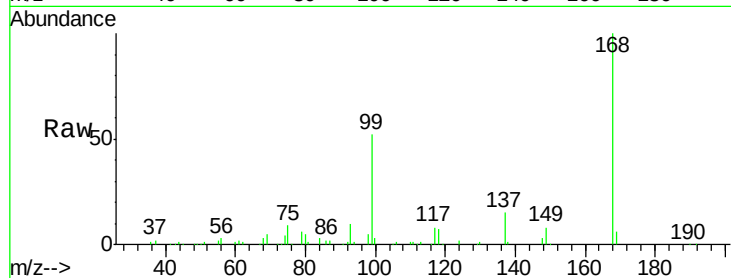
99 52.3 45.1 67.7

Manual Integrations

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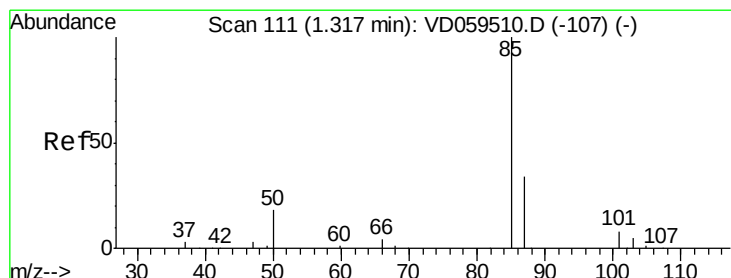
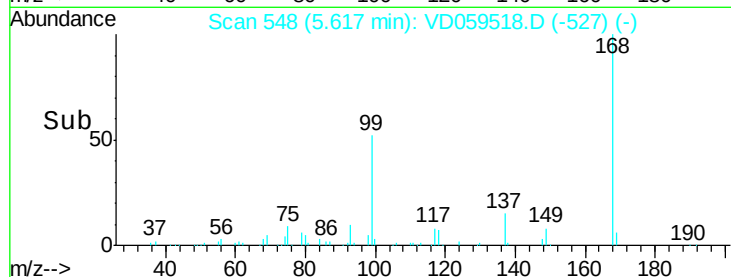
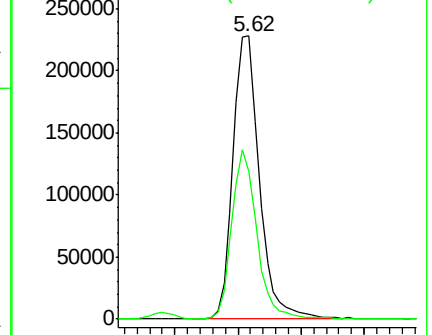
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 2.04 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059518.D

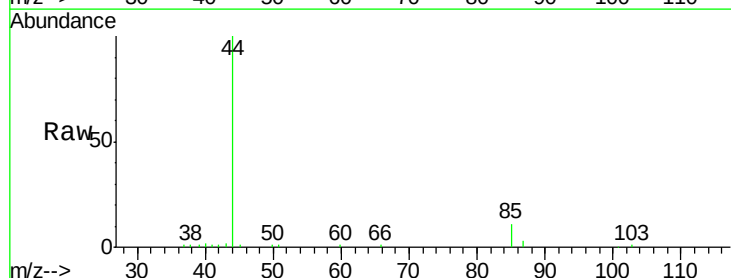
Acq: 2 Jul 2018 23:18

Tgt Ion: 85 Resp: 17228

Ion Ratio Lower Upper

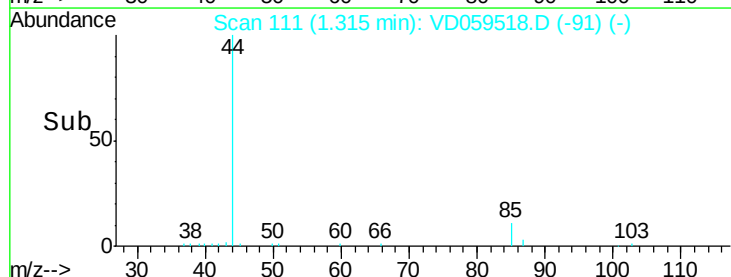
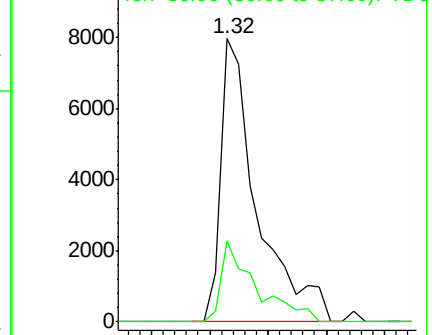
85 100

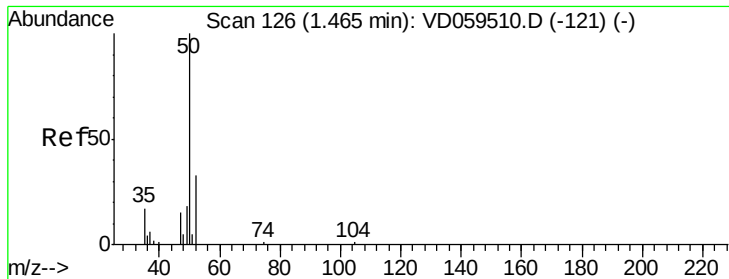
87 28.8 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 2.56 ug/l

RT: 1.46 min Scan# 126

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 50 Resp: 10250

Ion Ratio Lower Upper

50 100

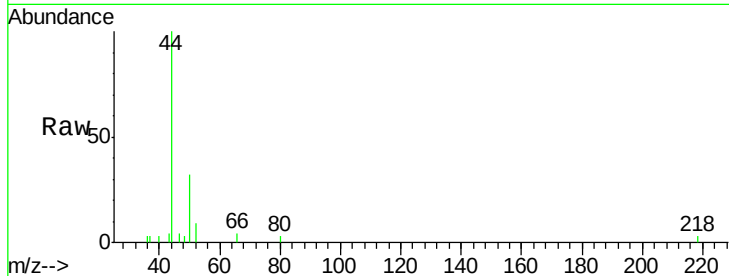
52 27.8 25.8 38.6

Manual Integrations

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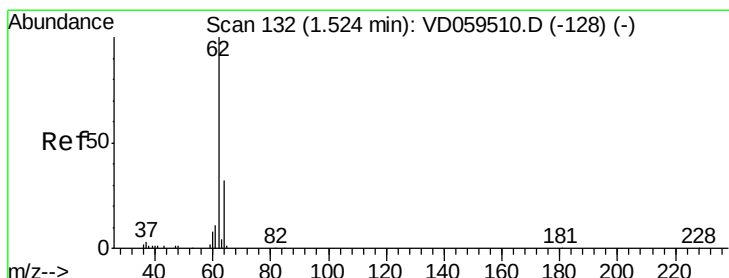
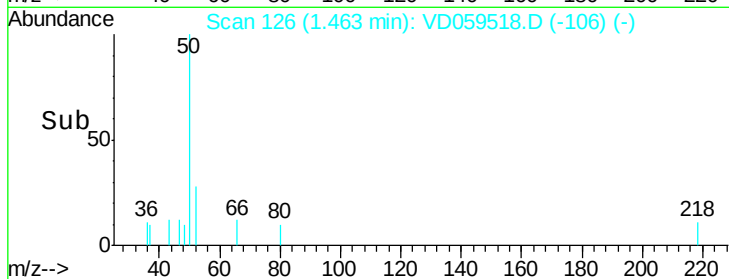
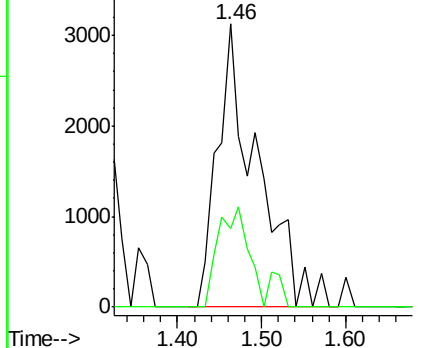
apatel

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 1.91 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059518.D

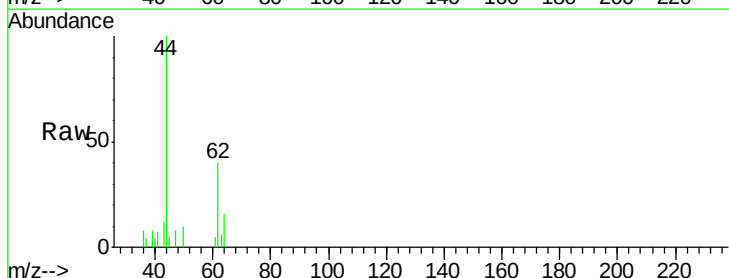
Acq: 2 Jul 2018 23:18

Tgt Ion: 62 Resp: 7605

Ion Ratio Lower Upper

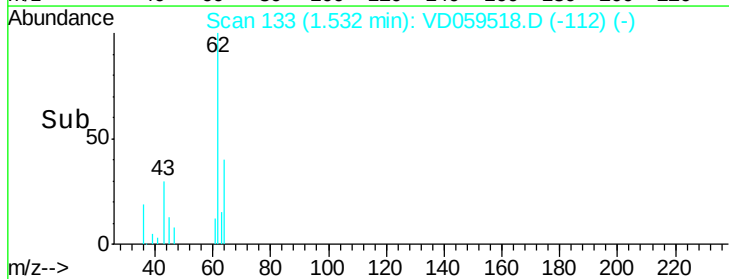
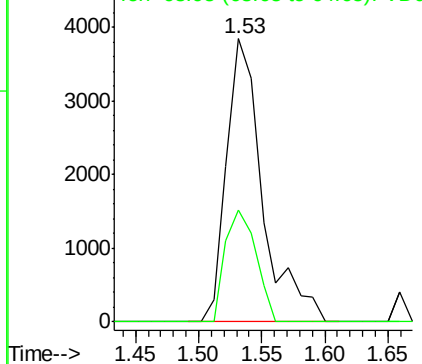
62 100

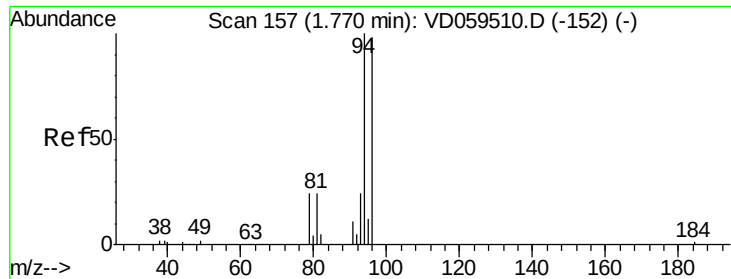
64 39.6 25.4 38.2#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 2.98 ug/l

RT: 1.78 min Scan# 158

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 94 Resp: 4492

Ion Ratio Lower Upper

94 100

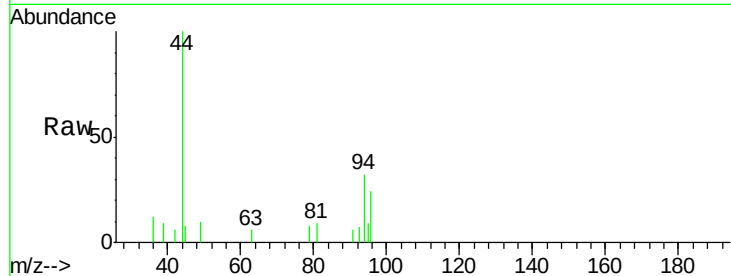
96 75.5 78.2 117.4#

Manual Integrations

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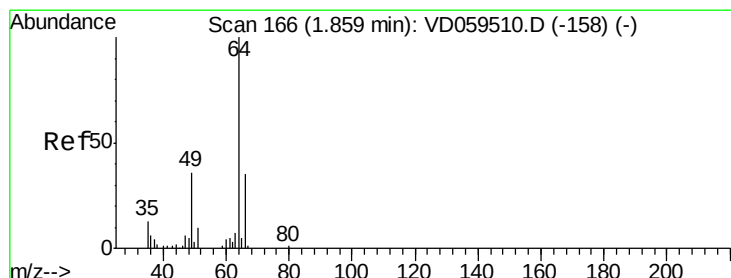
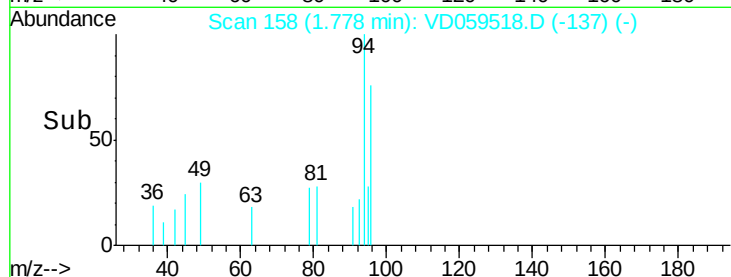
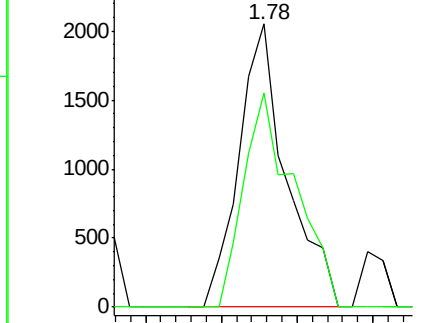
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 2.62 ug/l

RT: 1.87 min Scan# 167

Delta R.T. 0.01 min

Lab File: VD059518.D

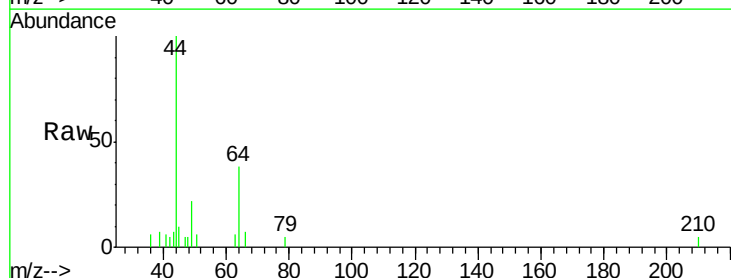
Acq: 2 Jul 2018 23:18

Tgt Ion: 64 Resp: 4698

Ion Ratio Lower Upper

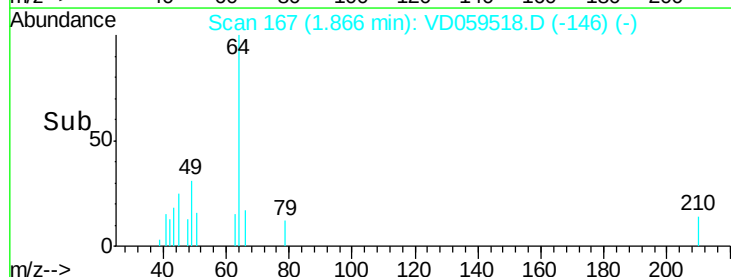
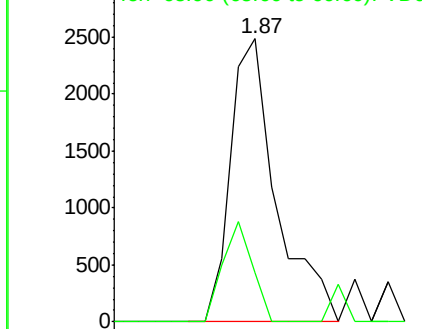
64 100

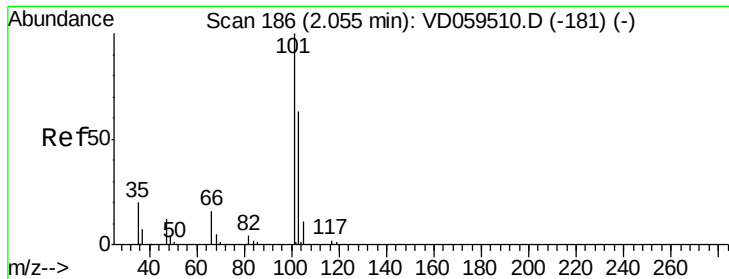
66 17.2 27.6 41.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

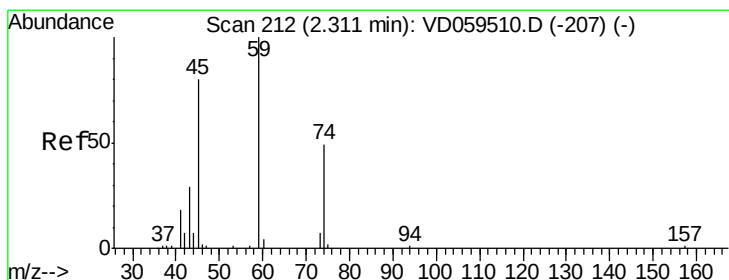
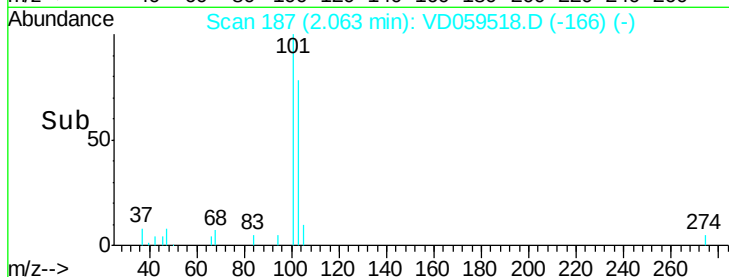
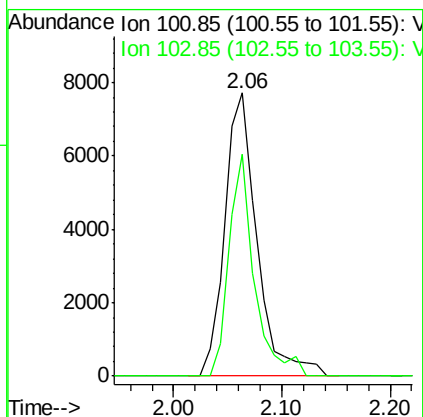
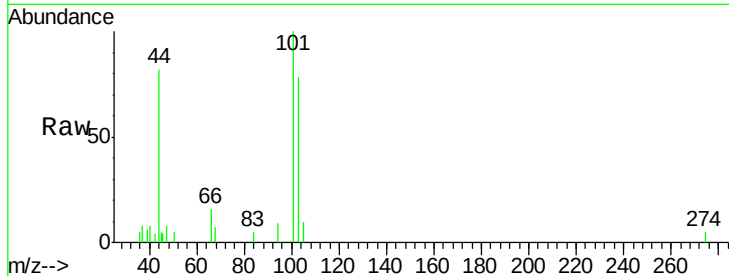
Trichlorofluoromethane
 Concen: 2.42 ug/l
 RT: 2.06 min Scan# 187
 Delta R.T. 0.01 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

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Tot Ion:101 Resp: 15933
 Ion Ratio Lower Upper
 101 100
 103 78.3 50.6 76.0#

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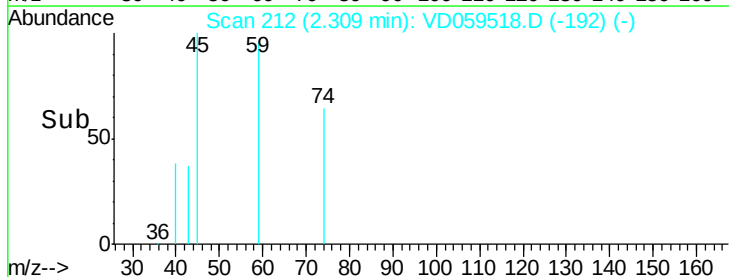
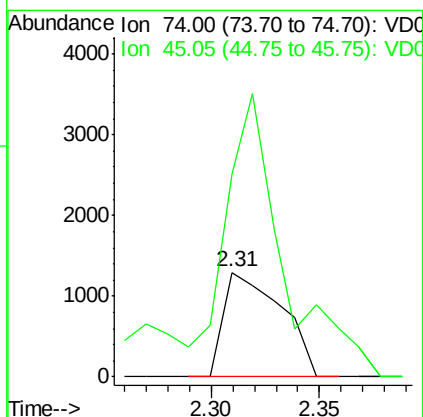
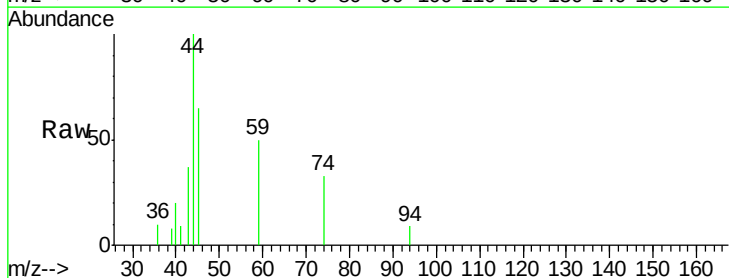
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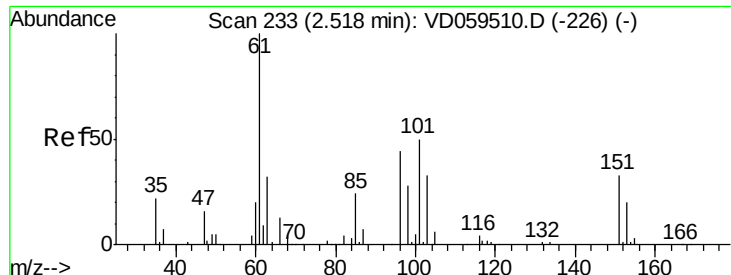


#8

Diethyl Ether
 Concen: 1.92 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

Tgt Ion: 74 Resp: 2430
 Ion Ratio Lower Upper
 74 100
 45 195.1 83.5 250.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.03 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

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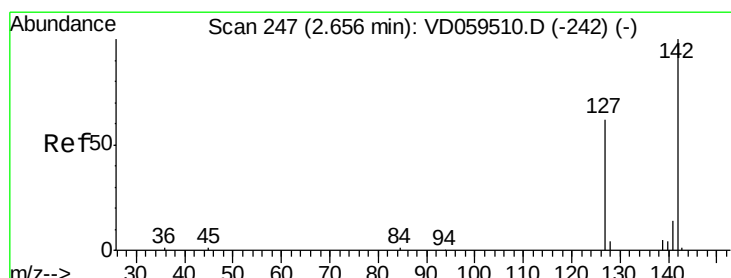
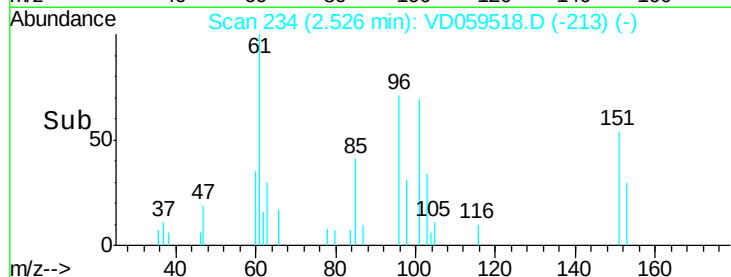
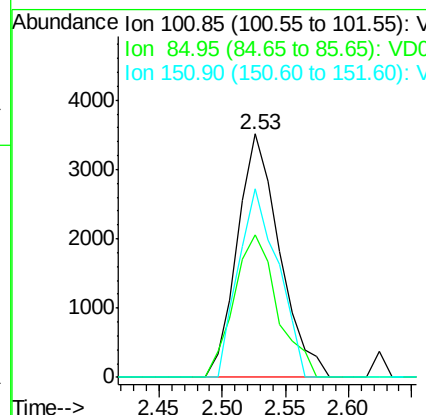
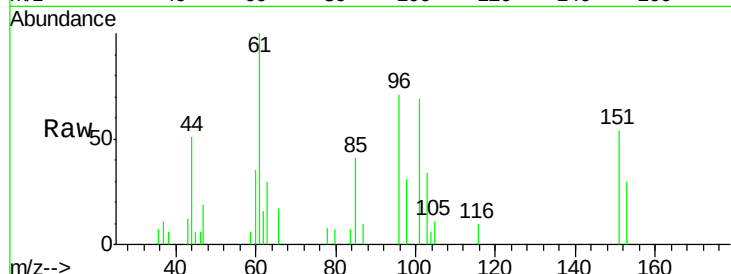
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
101	100		
85	58.7	38.8	58.2#
151	77.5	52.6	79.0

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#10

Methyl Iodide

Concen: 1.77 ug/l

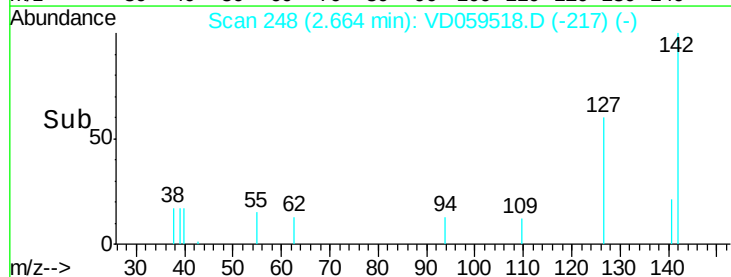
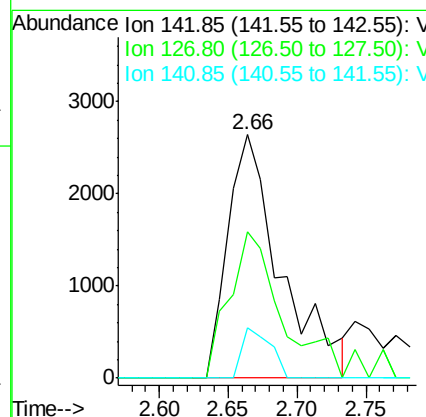
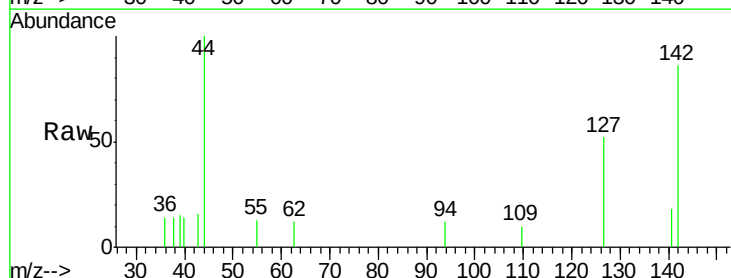
RT: 2.66 min Scan# 248

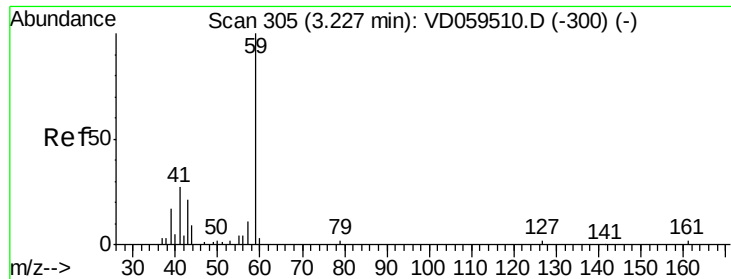
Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Lower	Upper
142	100		
127	60.4	49.8	74.8
141	20.9	11.1	16.7#





#11

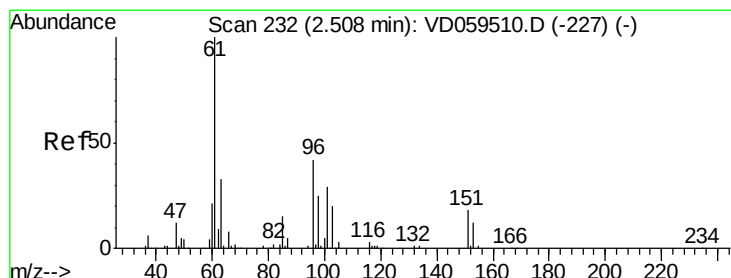
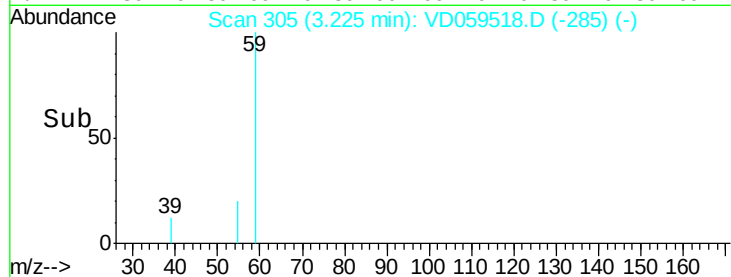
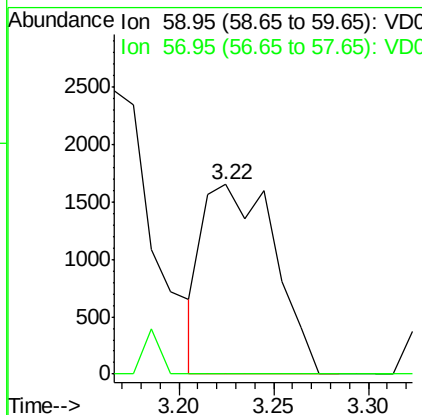
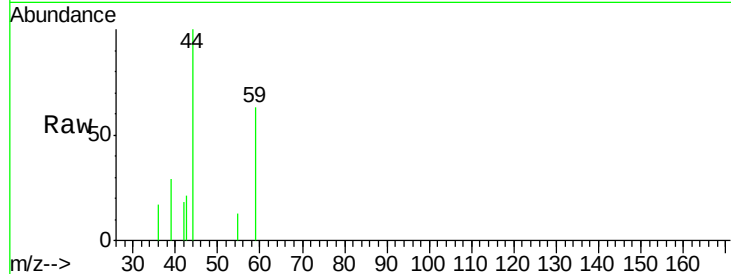
Tert butyl alcohol
 Concen: 15.27 ug/l
 RT: 3.22 min Scan# 305
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

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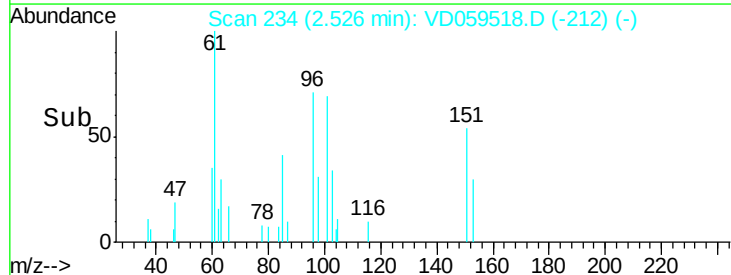
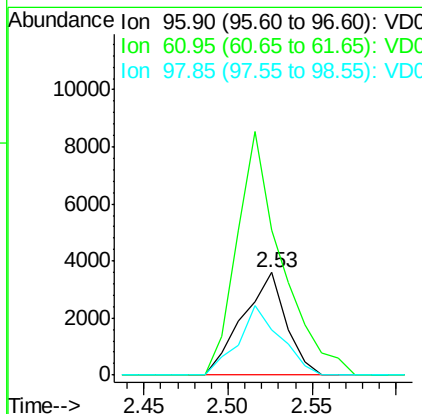
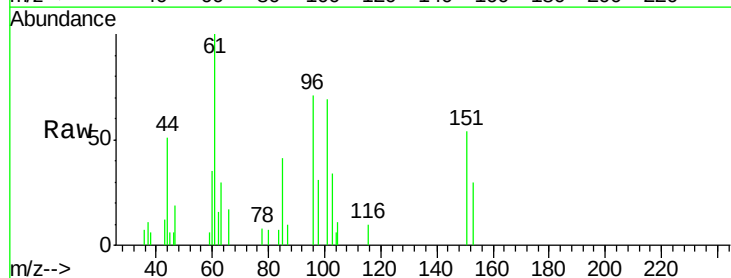
apatel
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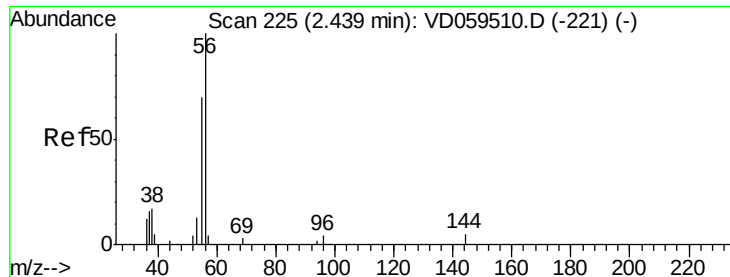


#12

1,1-Dichloroethene
 Concen: 2.09 ug/l
 RT: 2.53 min Scan# 234
 Delta R.T. 0.02 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.7	189.4	284.0#
98	43.7	47.9	71.9#





#13

Acrolein

Concen: 3.98 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 56 Resp: 650

Ion Ratio Lower Upper

56 100

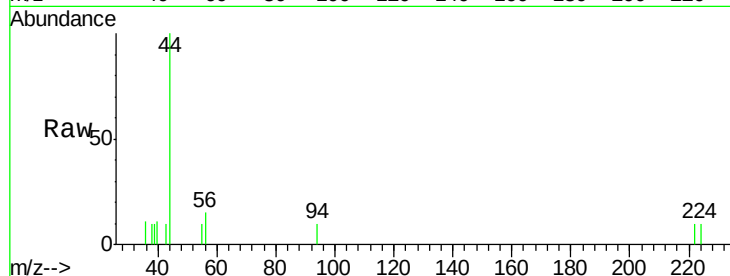
55 70.7 56.0 84.0

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

600

500

400

300

200

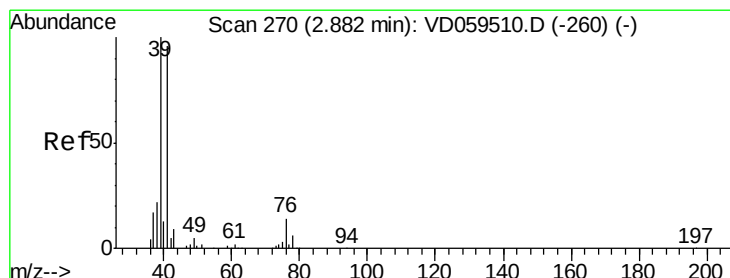
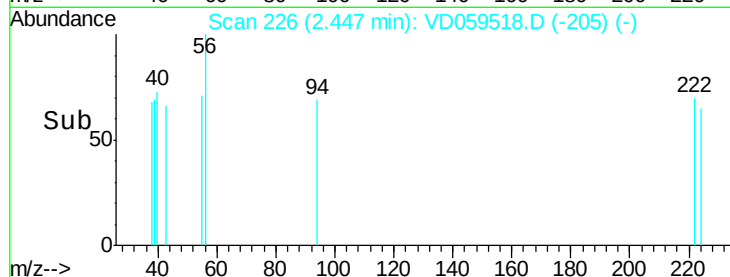
100

0

2.40

2.45

Time-->



#14

Allyl chloride

Concen: 2.30 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

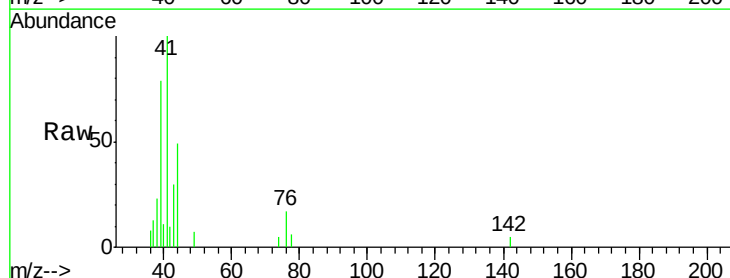
Tgt Ion: 41 Resp: 15582

Ion Ratio Lower Upper

41 100

39 79.5 83.8 125.8#

76 17.4 18.4 27.6#



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

10000

8000

6000

4000

2000

0

2.80

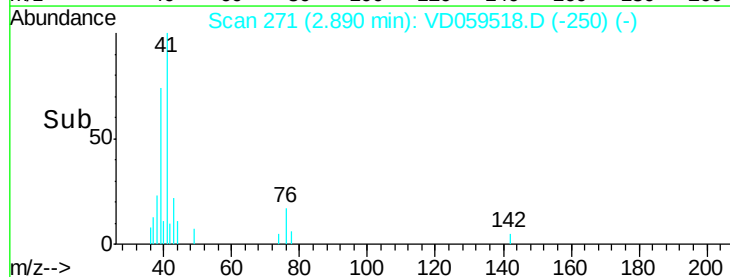
2.85

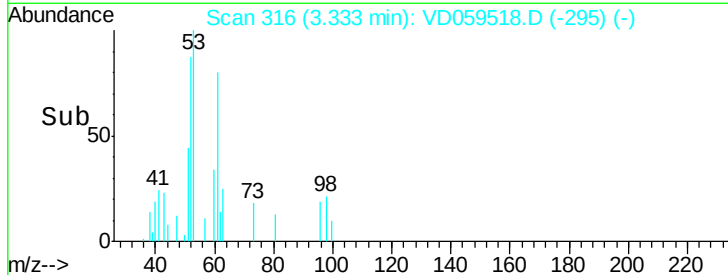
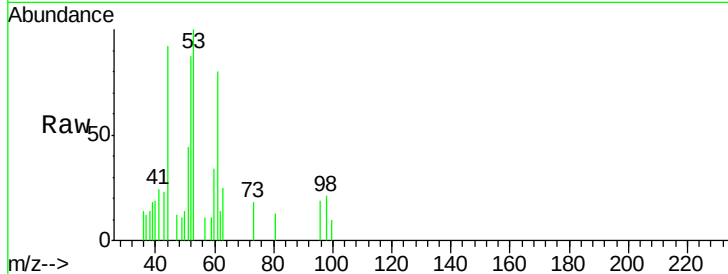
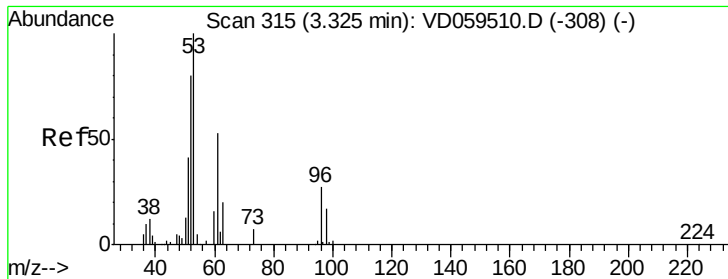
2.90

2.95

3.00

Time-->





#15

Acrylonitrile

Concen: 11.94 ug/l

RT: 3.33 min Scan# 316

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tot Ion:	53	Resp:	9452
Ion Ratio	Lower	Upper	
53	100		
52	86.9	64.3	96.5
51	43.8	33.0	49.4

Instrument :

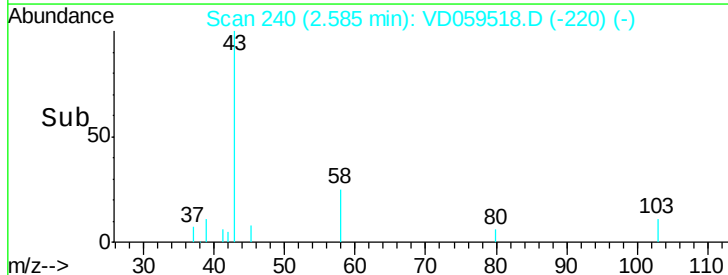
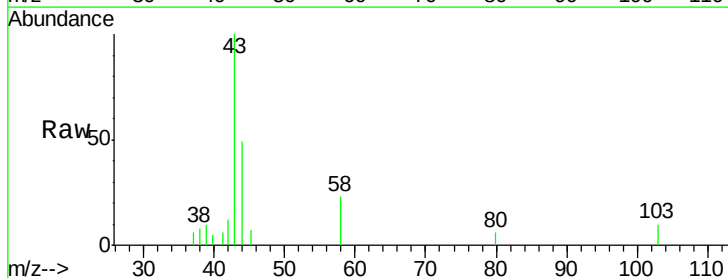
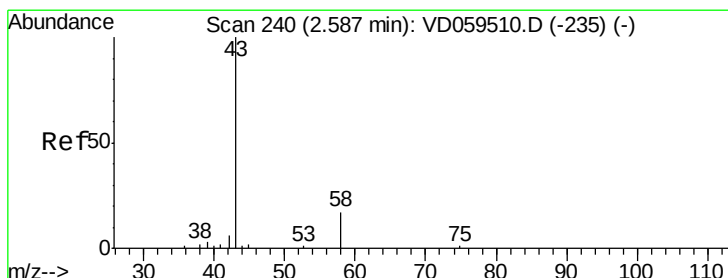
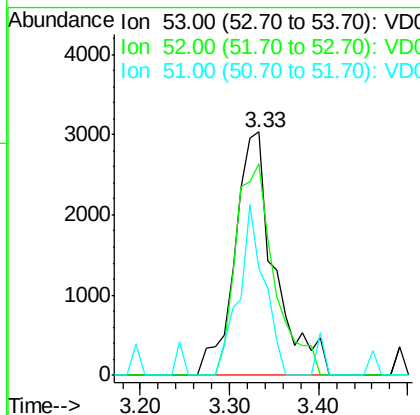
MSVOA_D

ClientSampleId :

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#16

Acetone

Concen: 14.51 ug/l

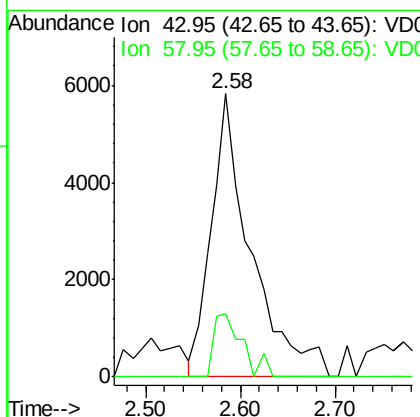
RT: 2.58 min Scan# 240

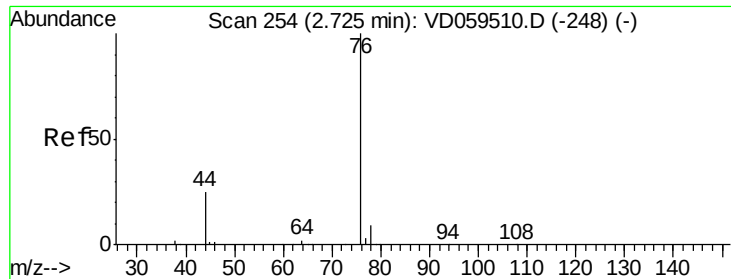
Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion:	43	Resp:	16862
Ion Ratio	Lower	Upper	
43	100		
58	22.5	13.8	20.8#





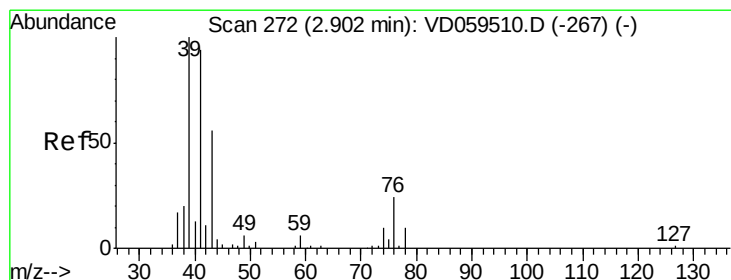
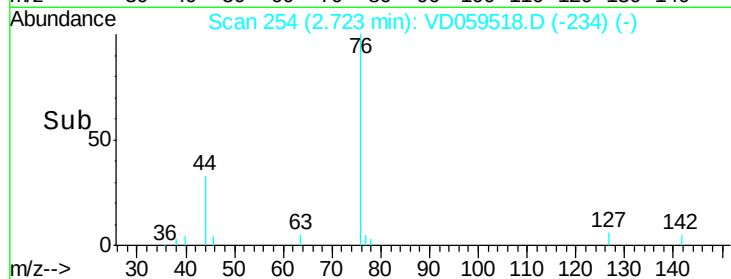
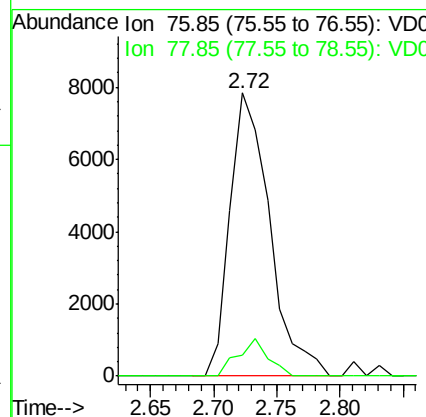
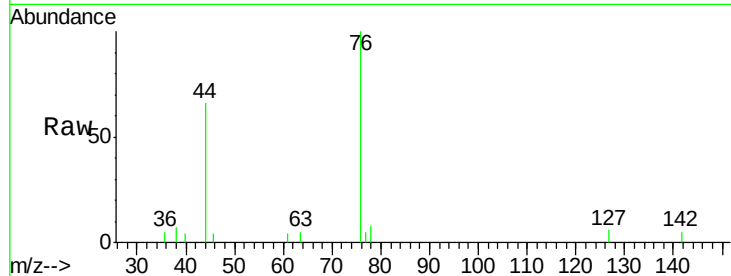
#17
Carbon Disulfide
Concen: 4.61 ug/l
RT: 2.72 min Scan# 254
Delta R.T. -0.00 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

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

Tot Ion: 76 Resp: 17084
Ion Ratio Lower Upper
76 100
78 7.5 6.9 10.3

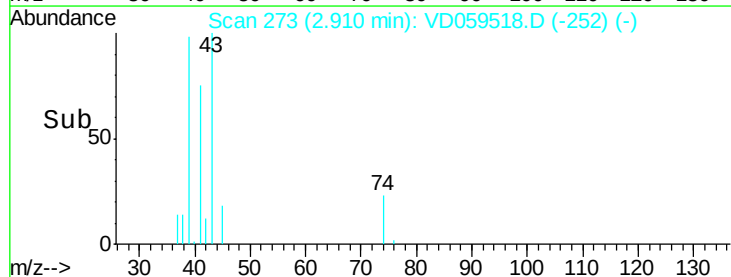
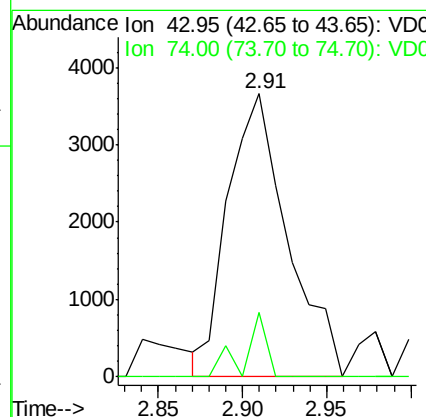
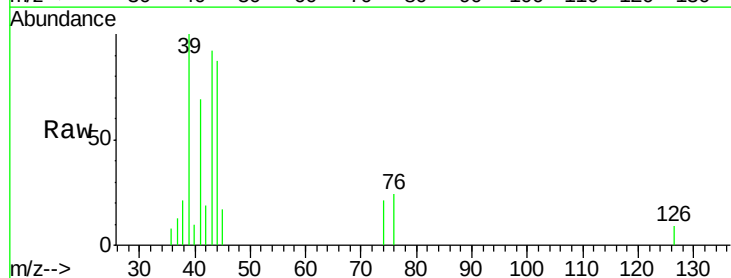
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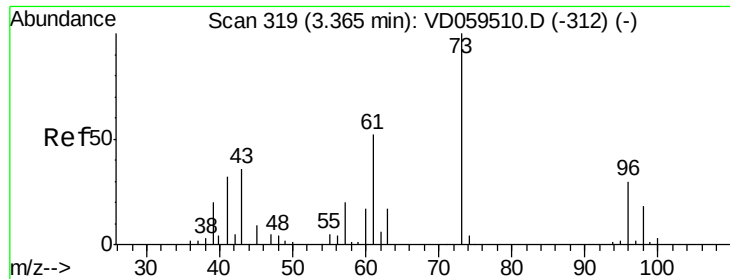
apatel
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#18
Methyl Acetate
Concen: 1.16 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.01 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

Tgt Ion: 43 Resp: 9012
Ion Ratio Lower Upper
43 100
74 22.9 13.8 20.8#





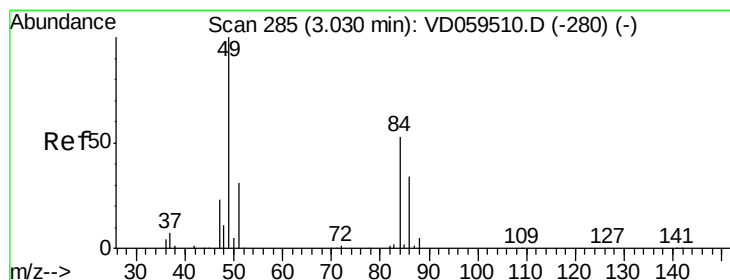
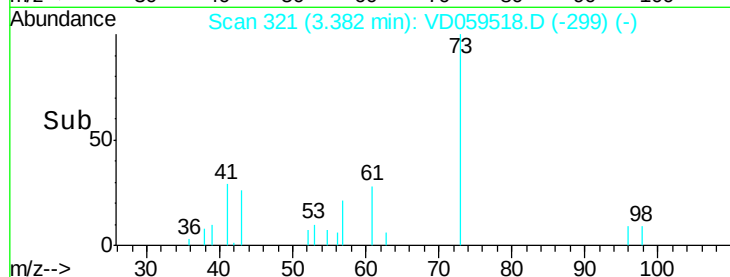
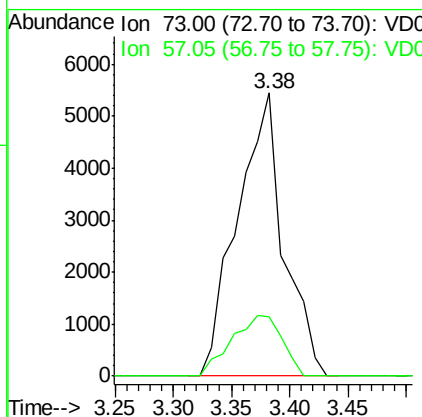
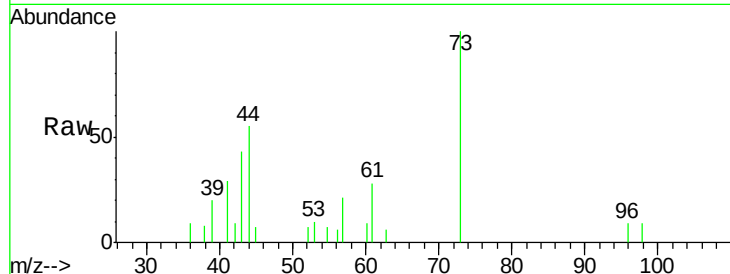
#19
Methyl tert-butyl Ether
Concen: 1.89 ug/l
RT: 3.38 min Scan# 321
Delta R.T. 0.02 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

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

Tot Ion: 73 Resp: 14994
Ion Ratio Lower Upper
73 100
57 20.9 16.5 24.7

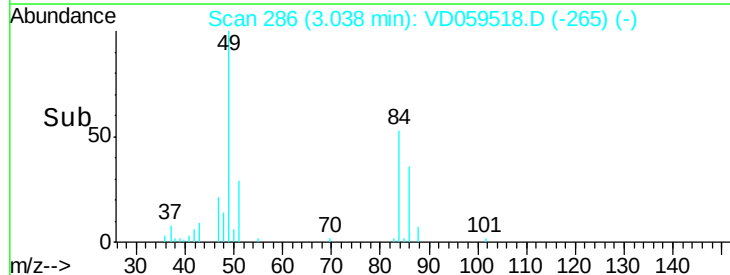
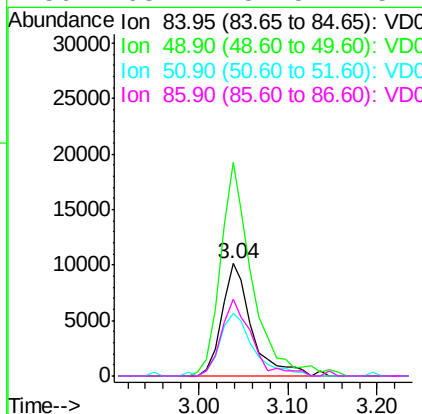
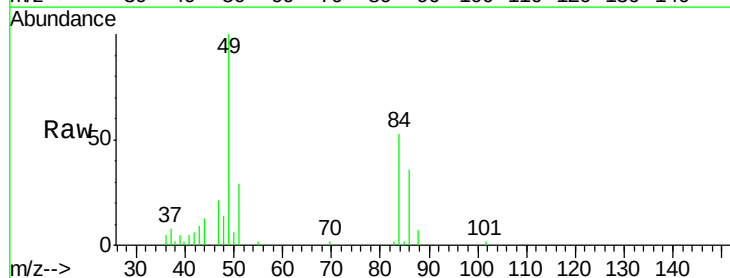
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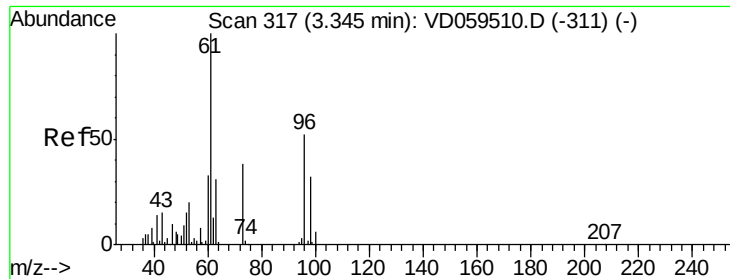
apatel
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#20
Methylene Chloride
Concen: 5.29 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

Tgt Ion: 84 Resp: 23816
Ion Ratio Lower Upper
84 100
49 189.9 152.2 228.2
51 56.0 46.5 69.7
86 68.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 1.95 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

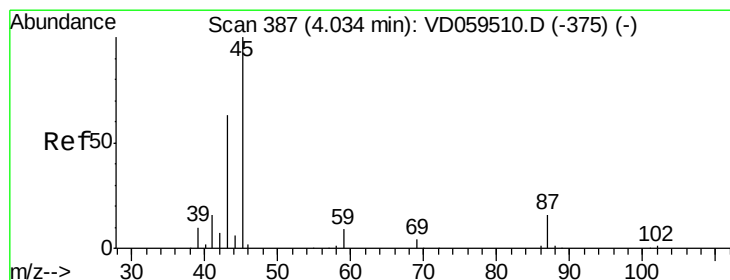
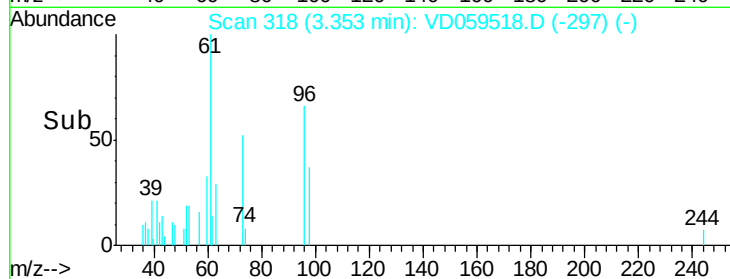
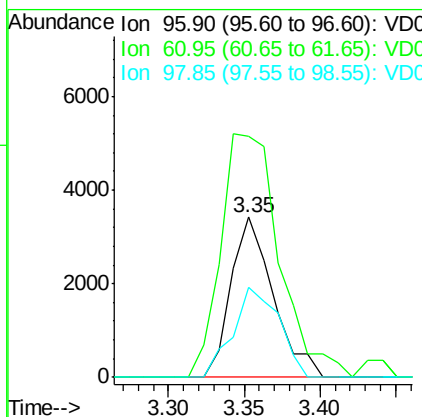
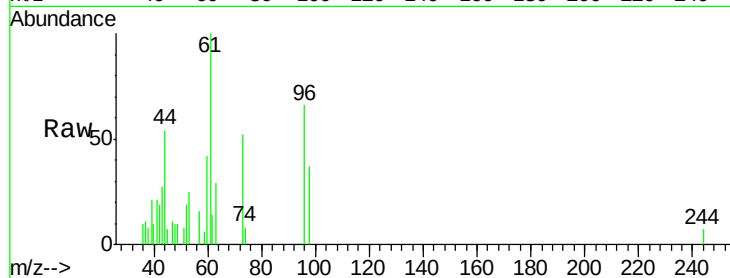
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.1	154.7	232.1#
98	56.4	49.9	74.9

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#22

Diisopropyl ether

Concen: 1.90 ug/l

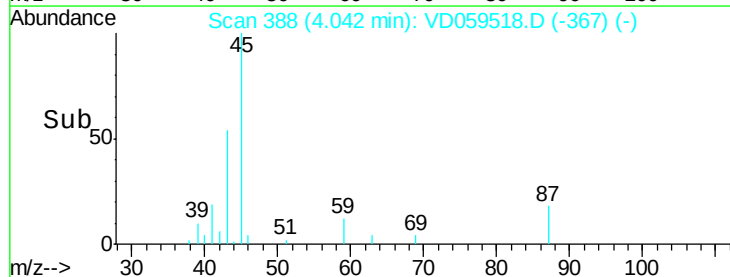
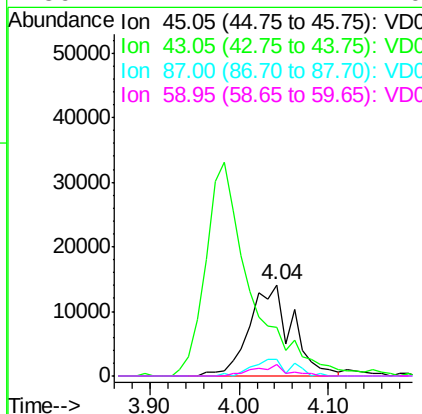
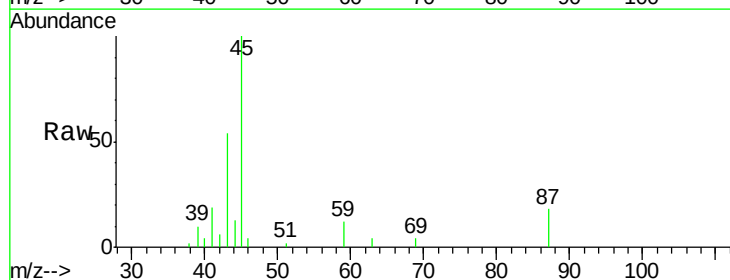
RT: 4.04 min Scan# 388

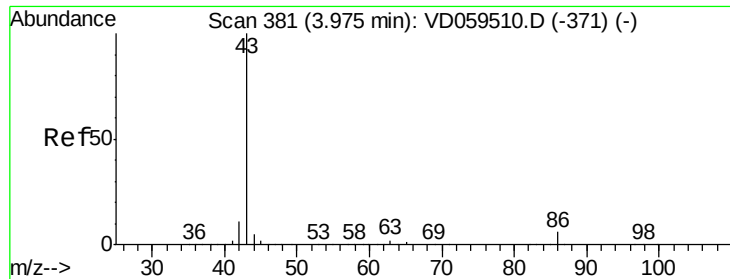
Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.7	50.7	76.1
87	18.2	13.4	20.0
59	12.4	7.4	11.0#





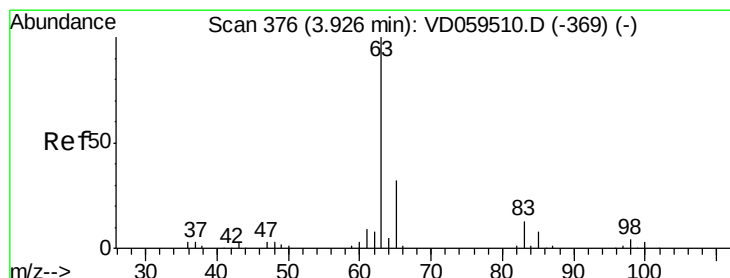
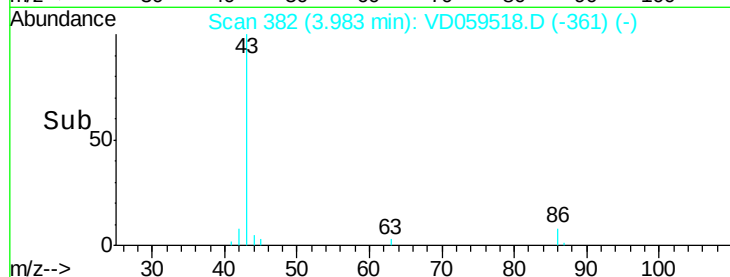
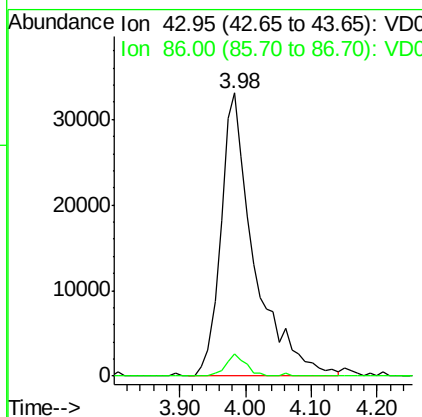
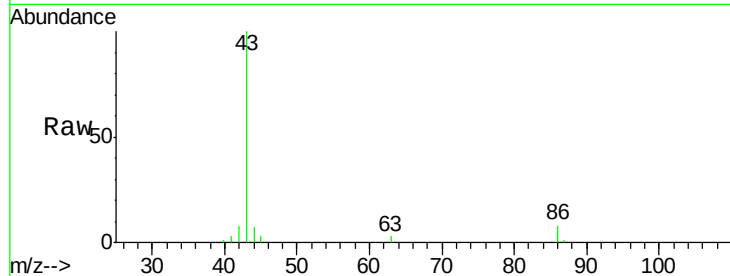
#23
 Vinyl Acetate
 Concen: 8.55 ug/l
 RT: 3.98 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

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

Tot Ion	43	Resp	116448
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	5.0	7.4#

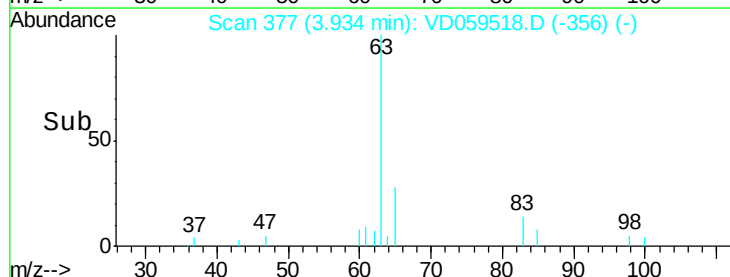
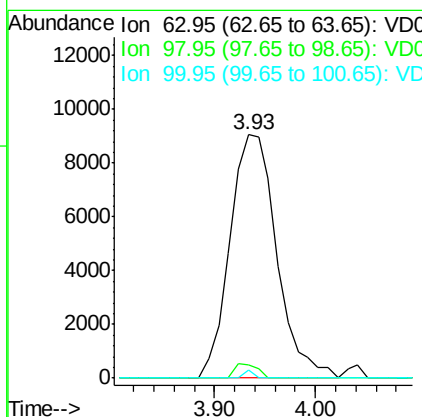
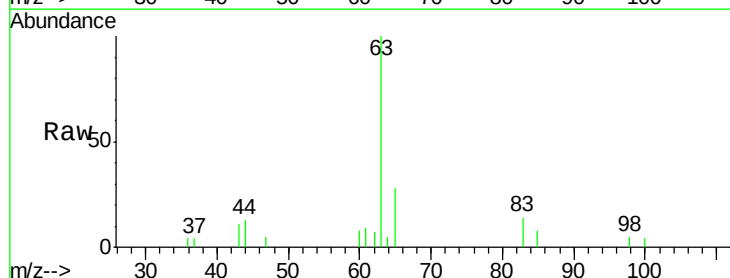
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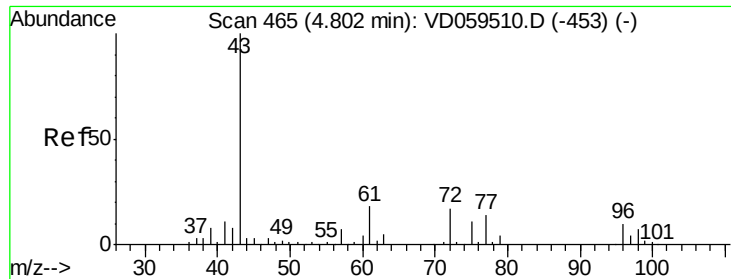
apatel
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#24
 1,1-Dichloroethane
 Concen: 2.09 ug/l
 RT: 3.93 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

Tgt Ion	63	Resp	29138
Ion Ratio	100	Lower	Upper
63	100		
98	5.4	2.0	5.8
100	3.5	1.5	4.4





#25

2-Butanone

Concen: 12.68 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 43 Resp: 30646

Ion Ratio Lower Upper

43 100

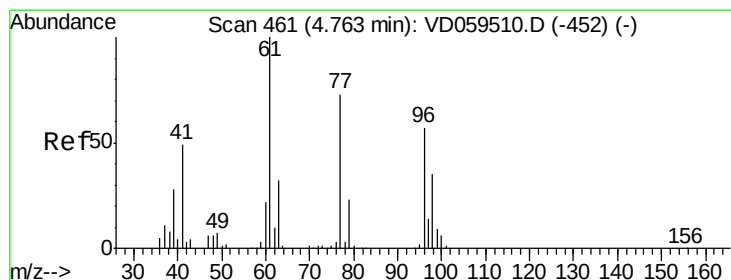
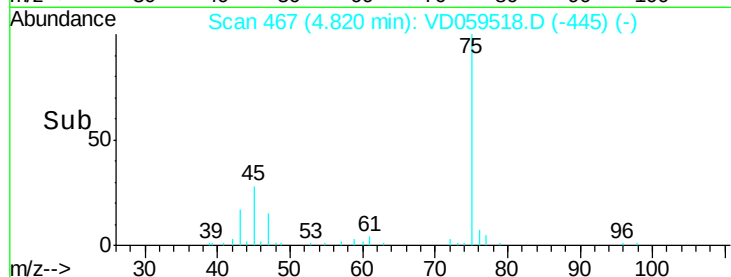
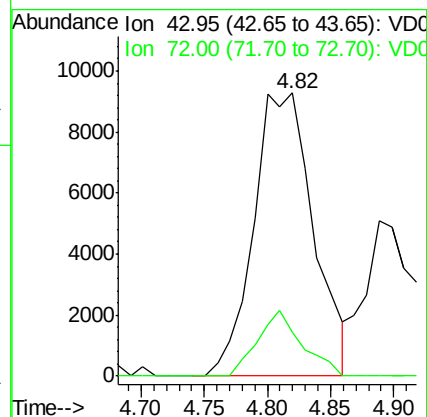
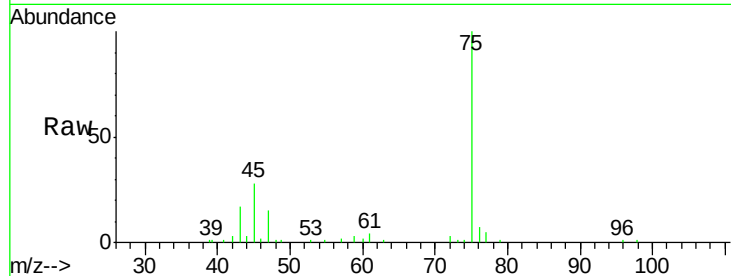
72 15.4 13.8 20.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 2.45 ug/l

RT: 4.77 min Scan# 462

Delta R.T. 0.01 min

Lab File: VD059518.D

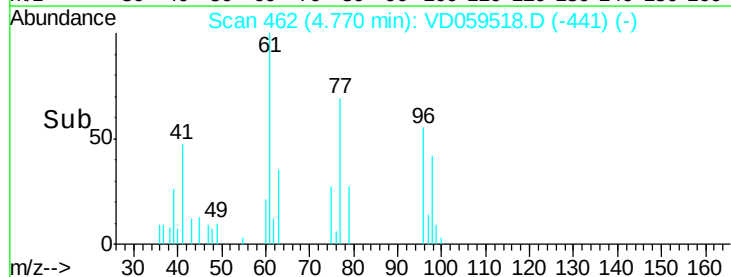
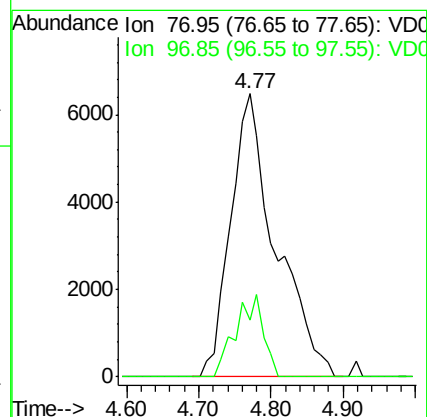
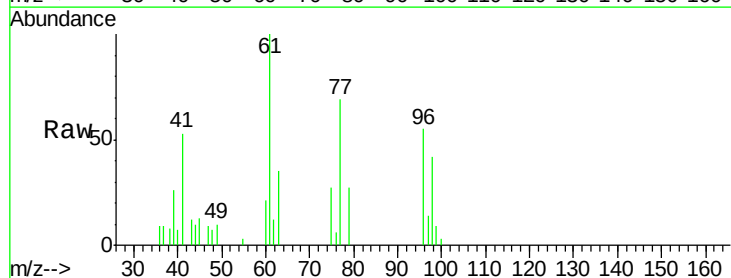
Acq: 2 Jul 2018 23:18

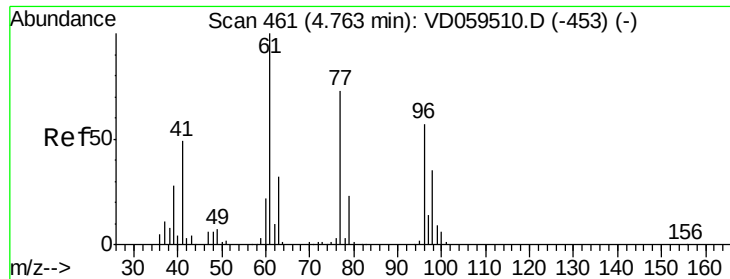
Tgt Ion: 77 Resp: 28041

Ion Ratio Lower Upper

77 100

97 20.2 9.5 28.5





#27

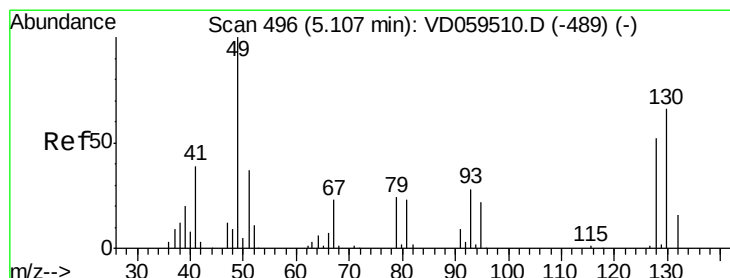
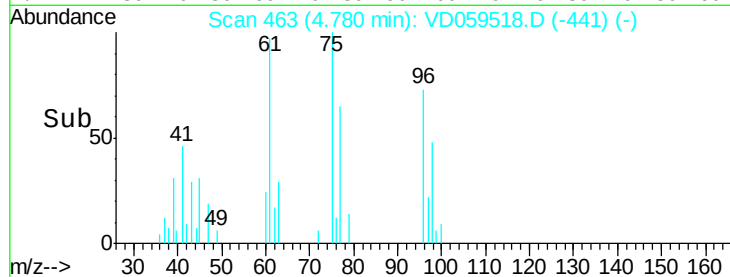
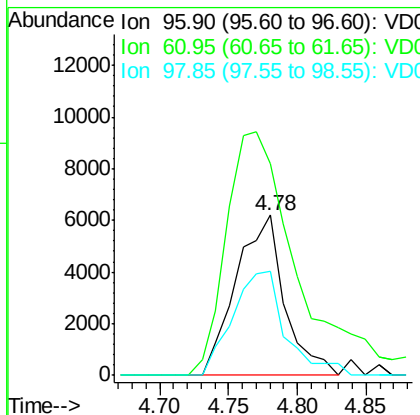
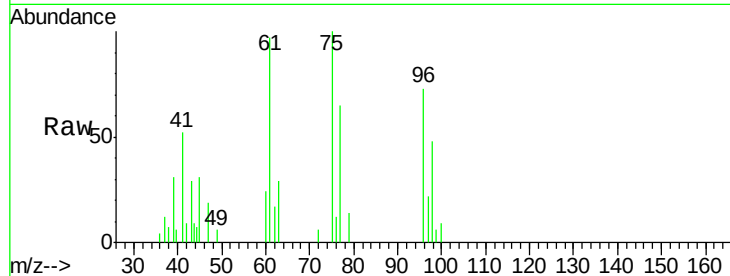
cis-1,2-Dichloroethene
Concen: 2.08 ug/l
RT: 4.78 min Scan# 463
Delta R.T. 0.02 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.1	0.0	350.8
98	64.8	0.0	123.4

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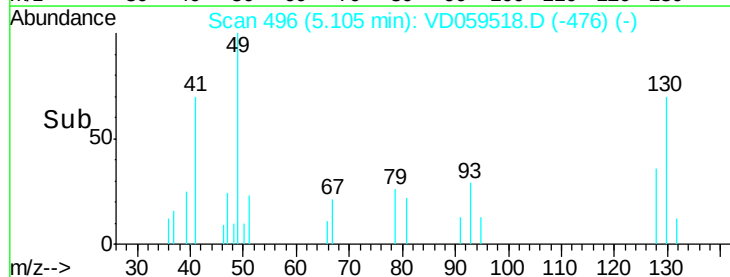
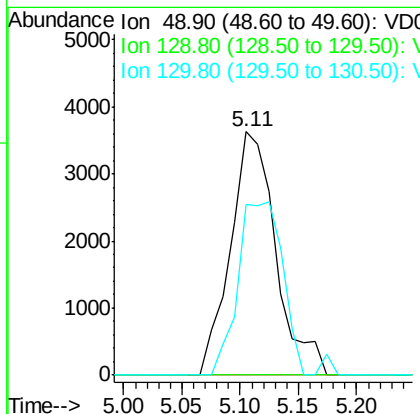
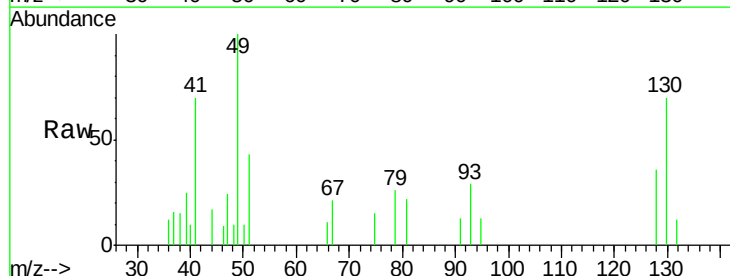
apatel
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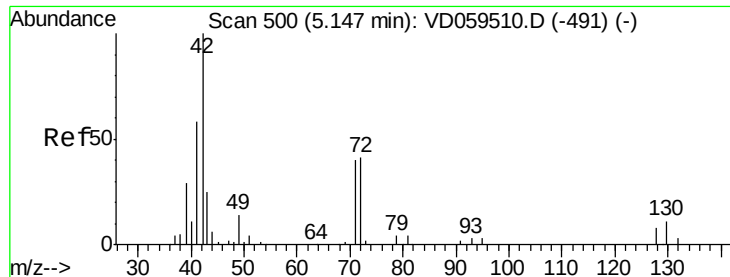


#28

Bromochloromethane
Concen: 1.83 ug/l
RT: 5.11 min Scan# 496
Delta R.T. -0.00 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	70.2	52.6	78.8





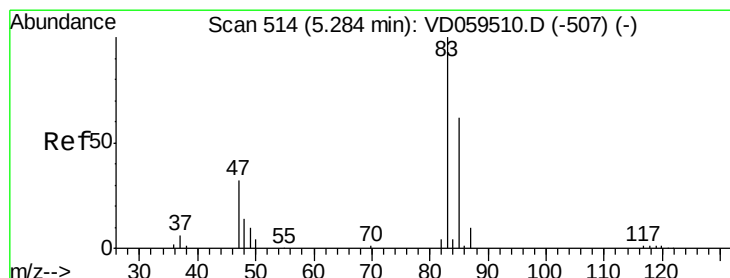
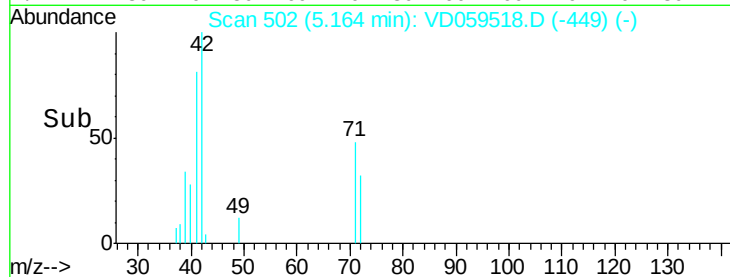
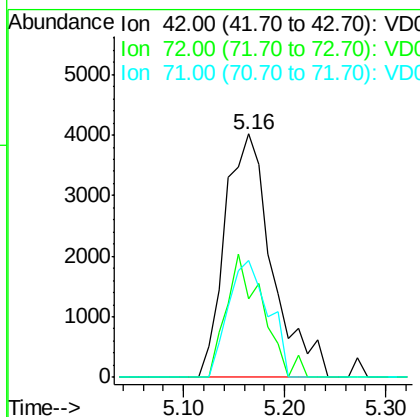
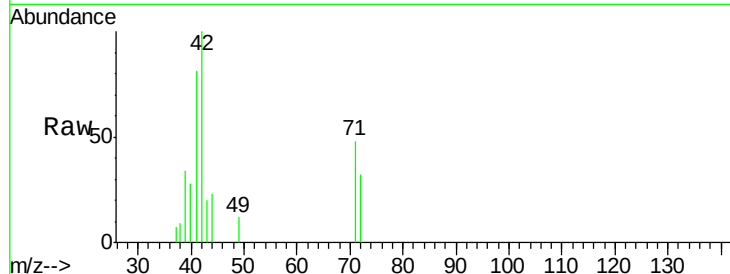
#29
Tetrahydrofuran
Concen: 10.62 ug/l
RT: 5.16 min Scan# 502
Delta R.T. 0.02 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	32.9	49.3
71	40.7	31.6	47.4

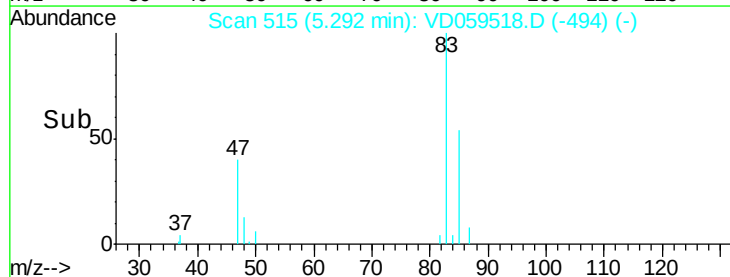
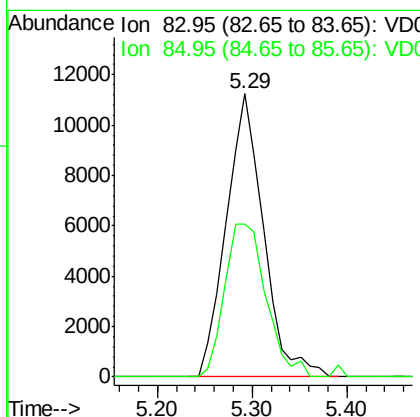
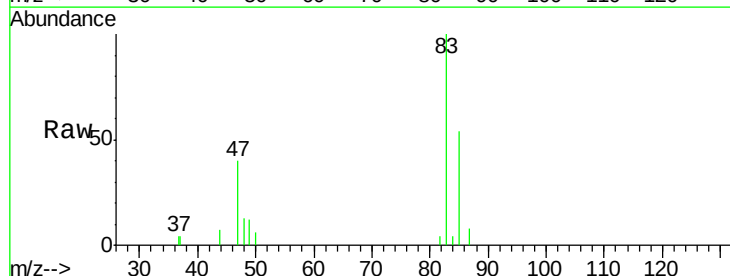
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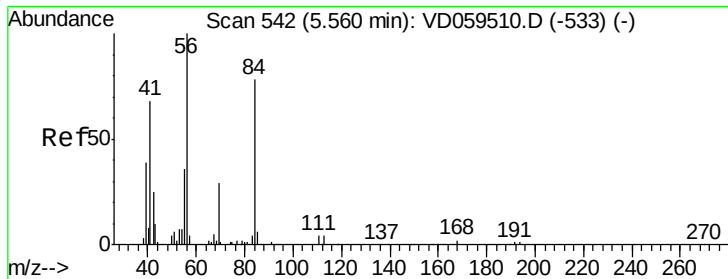
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#30
Chloroform
Concen: 2.08 ug/l
RT: 5.29 min Scan# 515
Delta R.T. 0.01 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.9	49.8	74.6





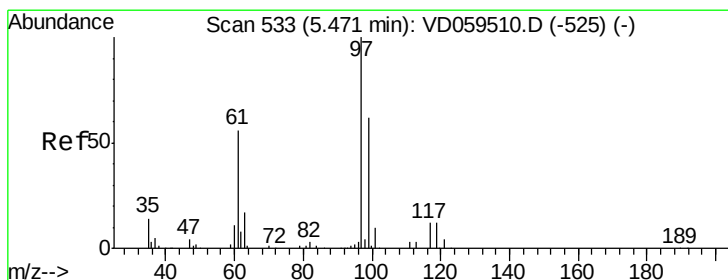
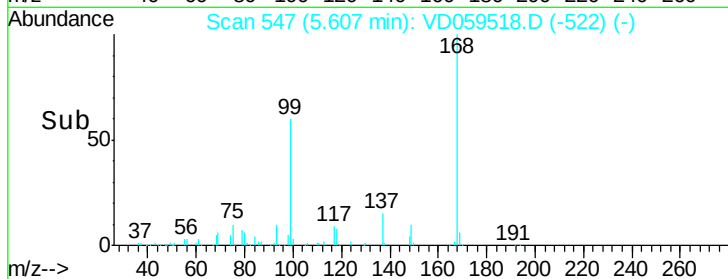
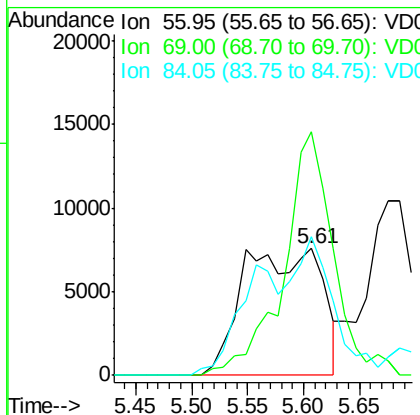
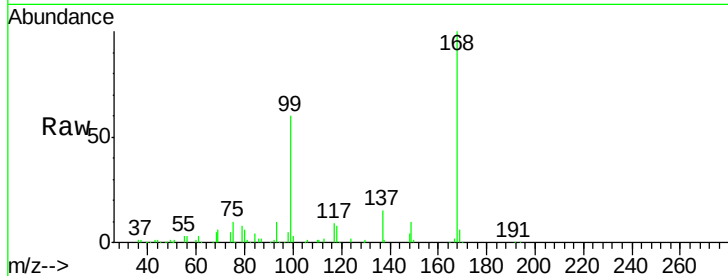
#31
Cyclohexane
Concen: 1.22 ug/l m
RT: 5.61 min Scan# 547
Delta R.T. 0.05 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	192.2	22.9	34.3#
84	109.3	63.4	95.0#

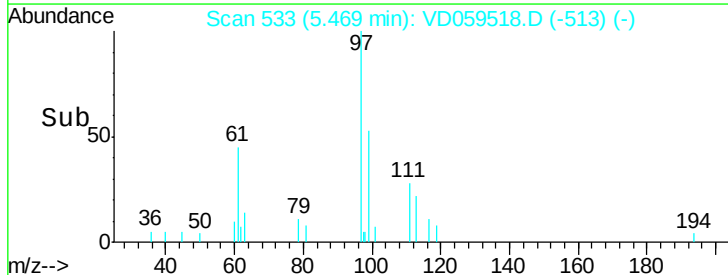
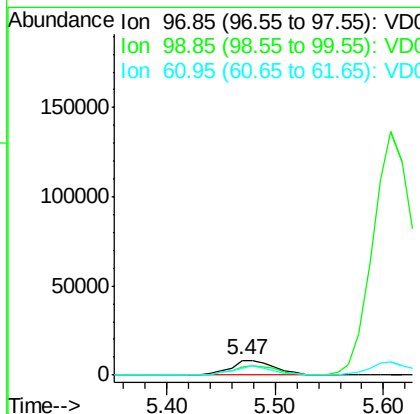
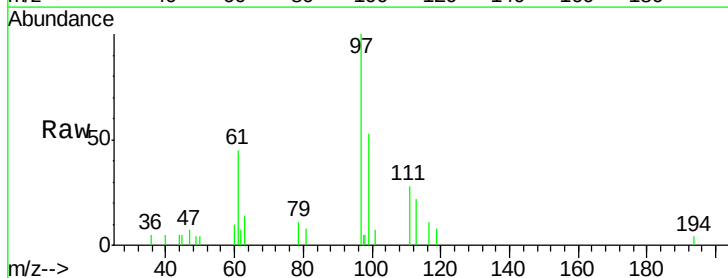
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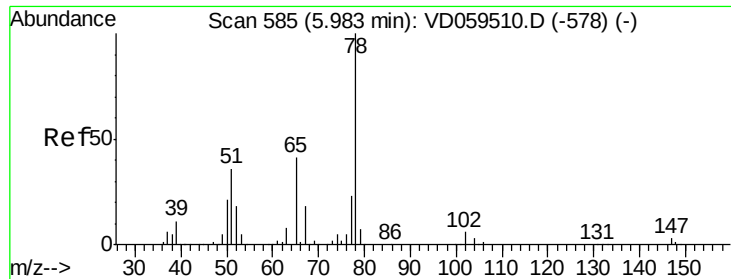
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#32
1,1,1-Trichloroethane
Concen: 2.01 ug/l
RT: 5.47 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	53.3	49.6	74.4
61	45.1	44.8	67.2





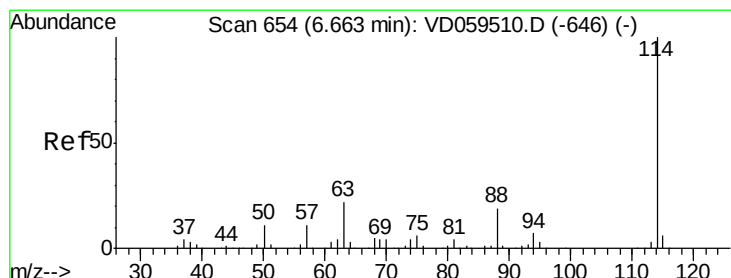
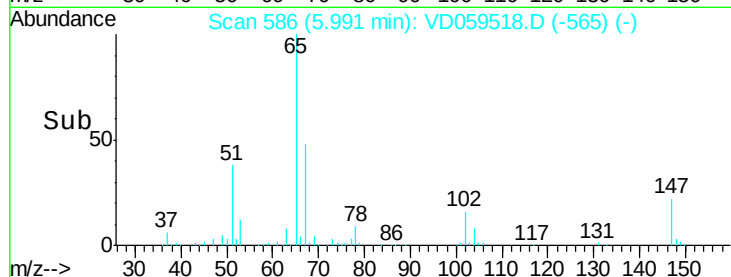
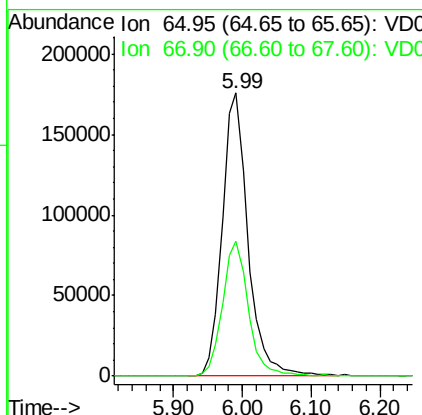
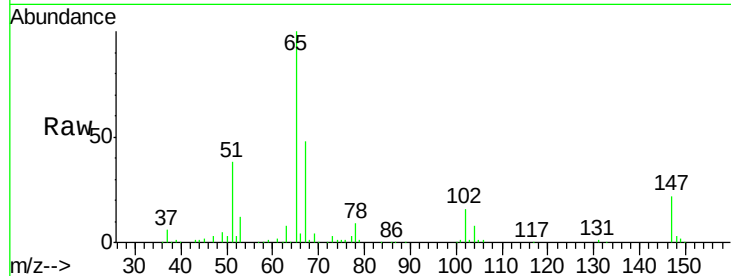
#33
 1,2-Dichloroethane-d4
 Concen: 2.01 ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	453951		
67	47.7	0.0	90.2	

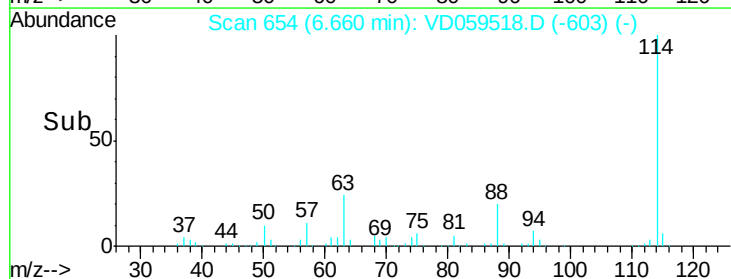
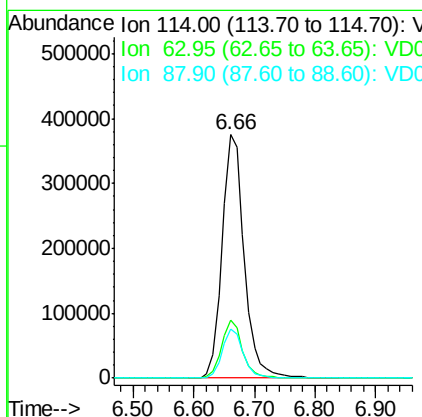
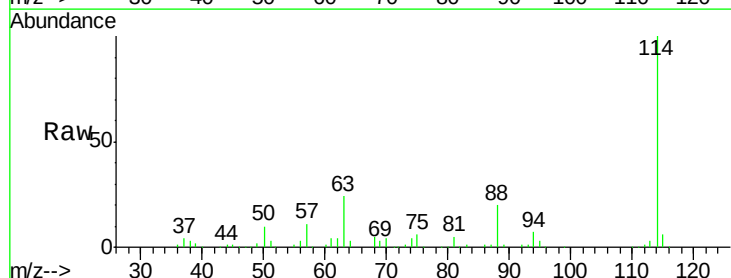
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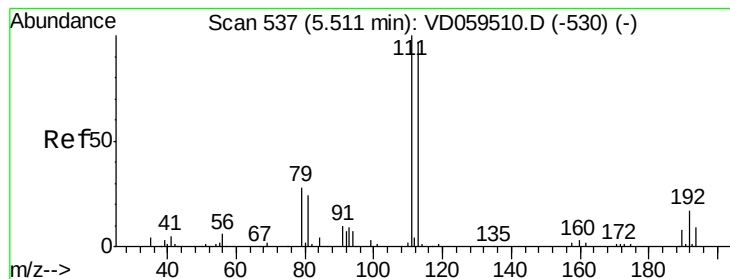
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	948796		
63	24.0	0.0	44.4	
88	20.0	0.0	37.8	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

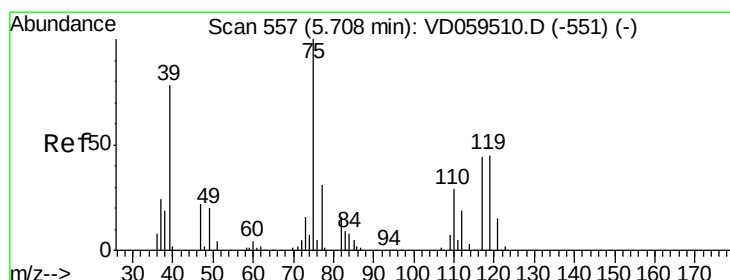
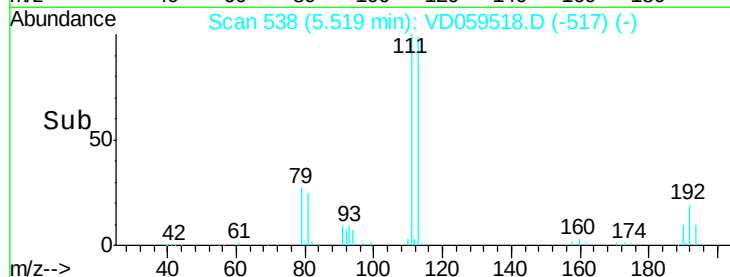
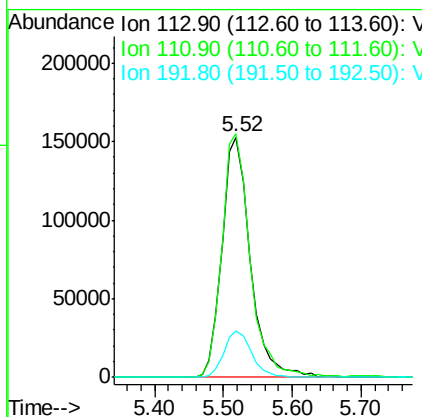
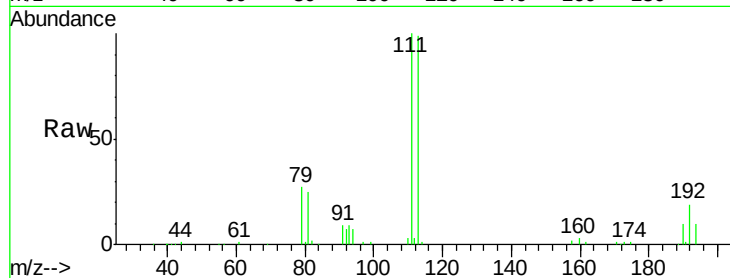
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	113	Resp:	435110
Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.7	124.1
192	19.2	14.2	21.2

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#36

1,1-Dichloropropene

Concen: 2.40 ug/l

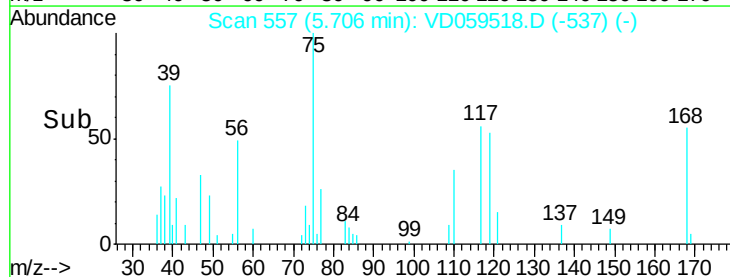
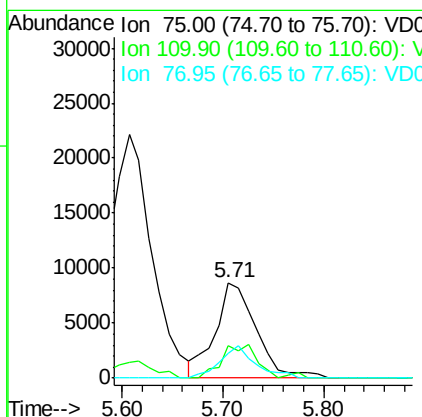
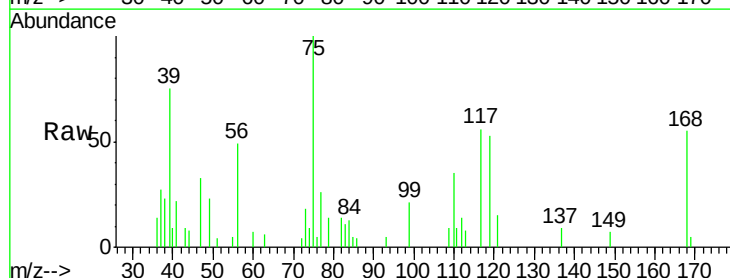
RT: 5.71 min Scan# 557

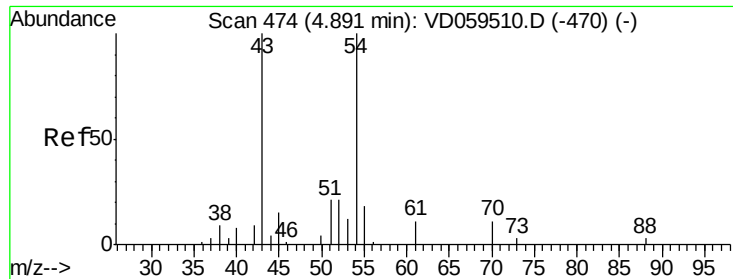
Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion:	75	Resp:	24479
Ion	Ratio	Lower	Upper
75	100		
110	34.5	14.4	43.4
77	26.2	25.0	37.6





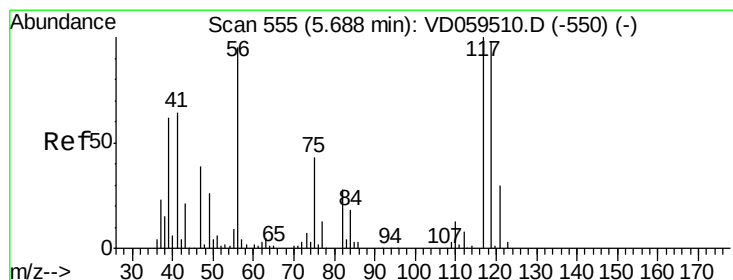
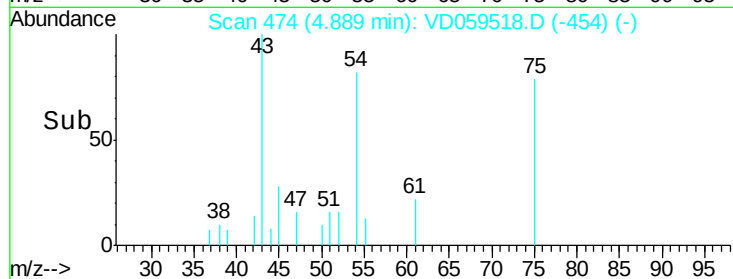
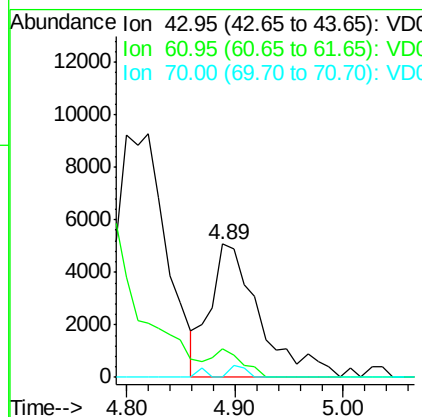
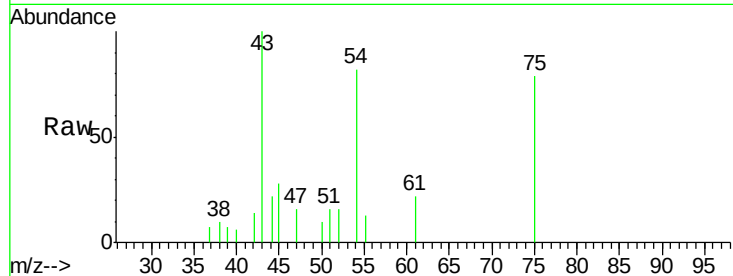
#37
Ethyl Acetate
Concen: 2.83 ug/l
RT: 4.89 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	11.5	17.3#
70	0.0	6.8	10.2#

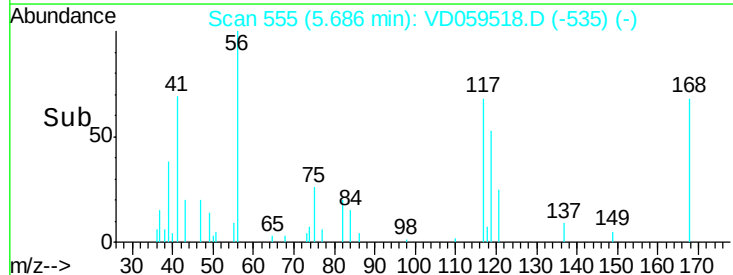
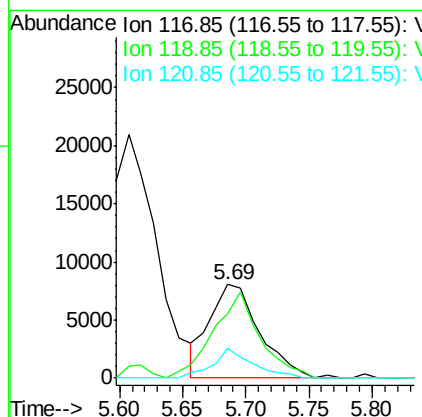
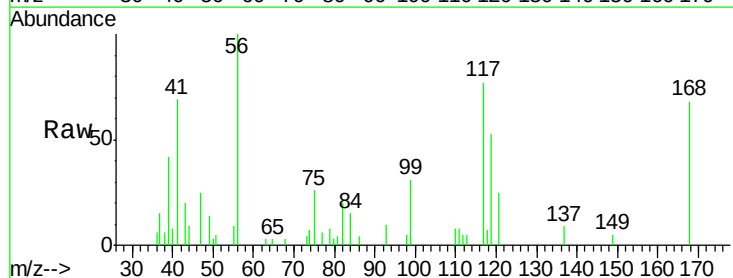
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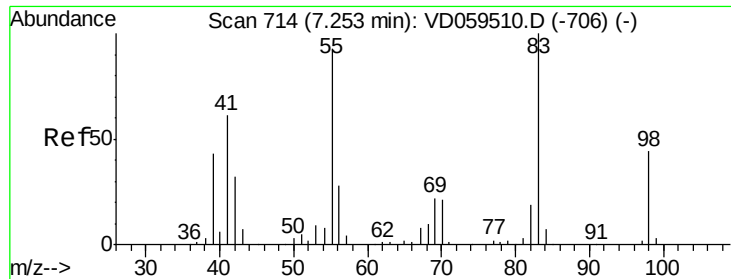
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#38
Carbon Tetrachloride
Concen: 2.22 ug/l
RT: 5.69 min Scan# 555
Delta R.T. -0.00 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	68.8	76.4	114.6#
121	32.5	23.9	35.9





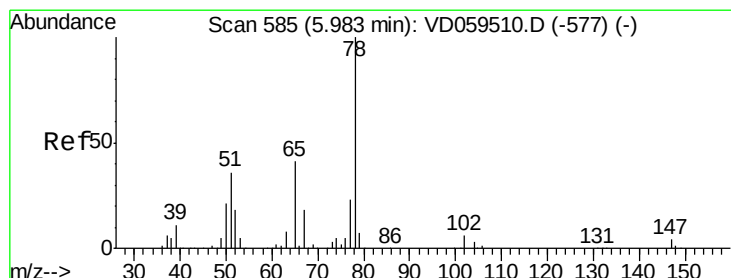
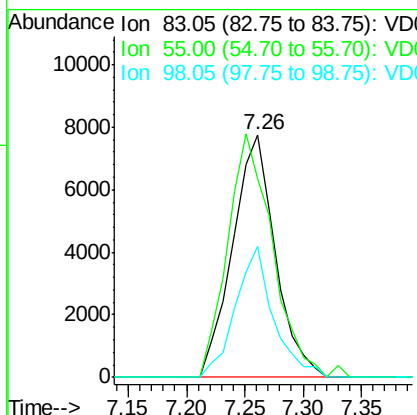
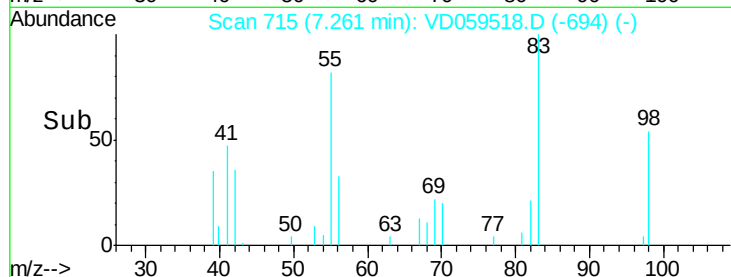
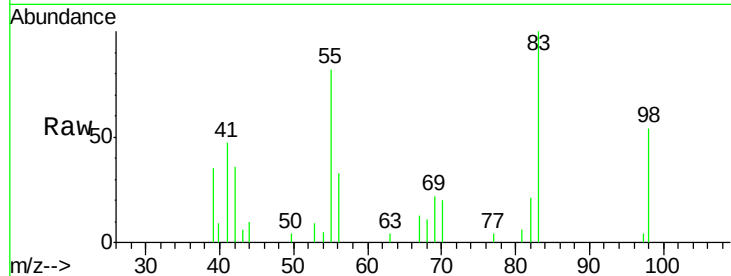
#39
Methylvclclohexane
Concen: 2.12 ug/l
RT: 7.26 min Scan# 715
Delta R.T. 0.01 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	74.2	111.4
98	53.8	35.5	53.3

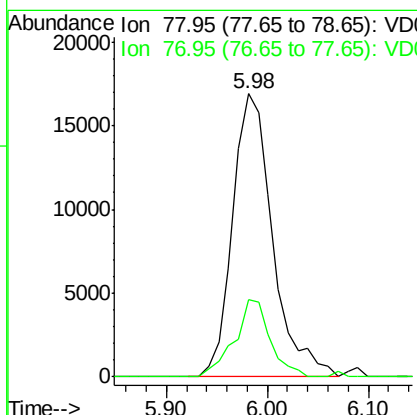
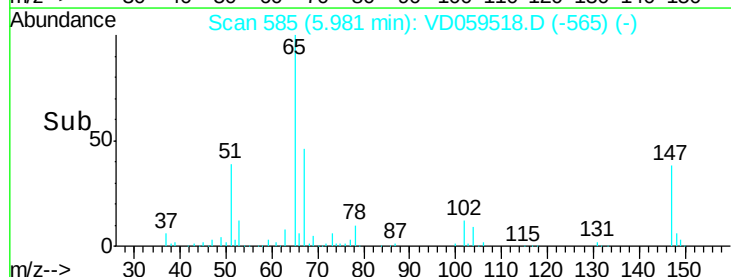
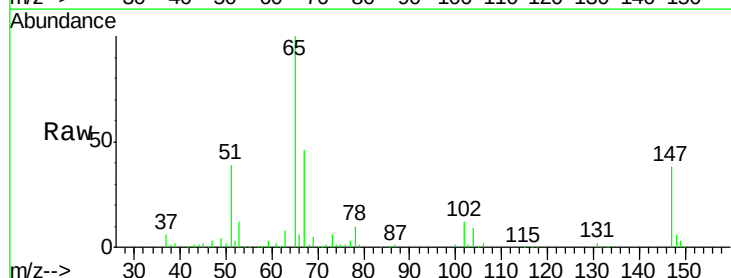
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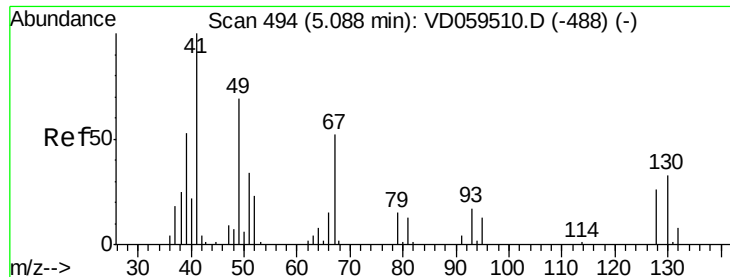
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#40
Benzene
Concen: 1.99 ug/l
RT: 5.98 min Scan# 585
Delta R.T. -0.00 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.2	18.6	27.8





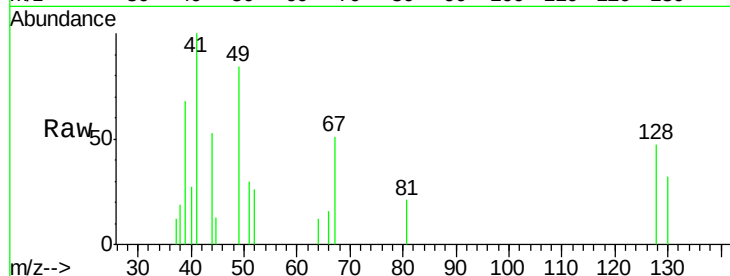
#41
Methacrylonitrile
Concen: 2.38 ug/l
RT: 5.10 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

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

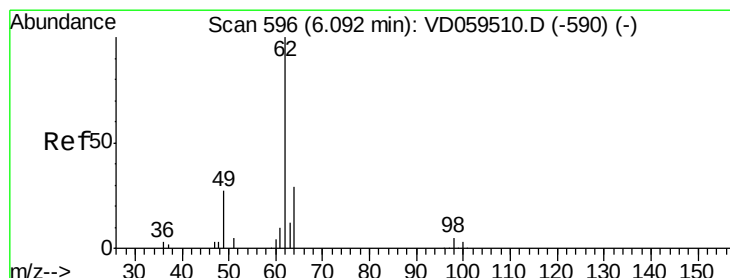
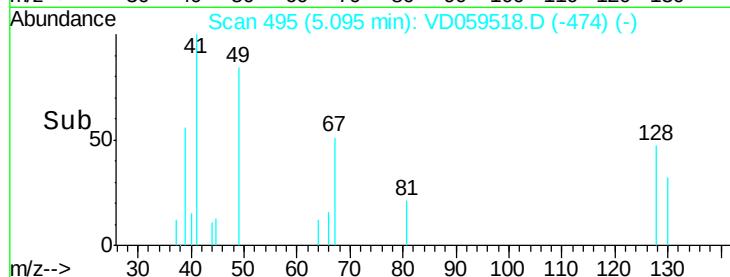
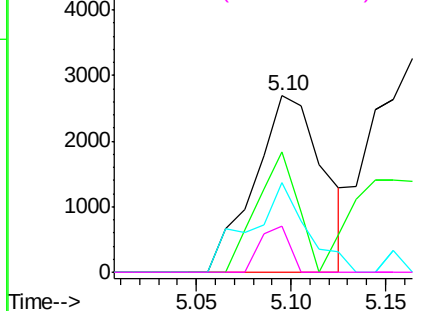
Tot Ion:	41	Resp:	6830
Ion Ratio	Lower	Upper	
41	100		
39	68.4	43.0	64.4#
67	51.0	41.4	62.2
52	26.1	18.6	28.0

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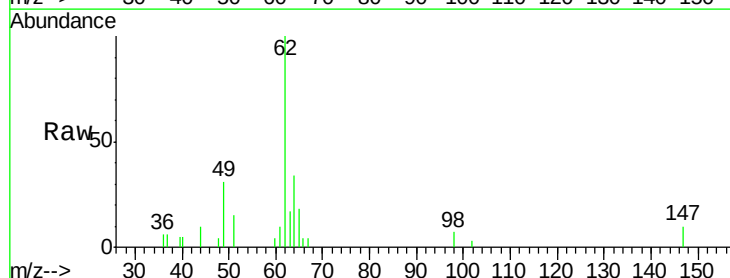


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

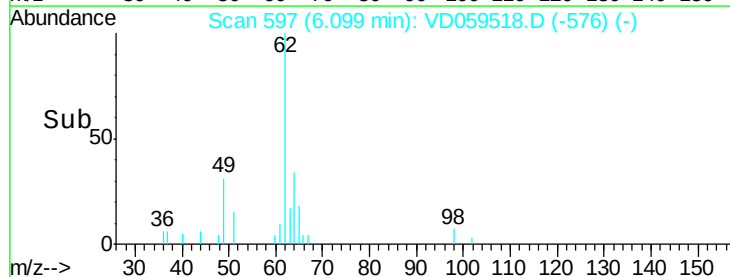
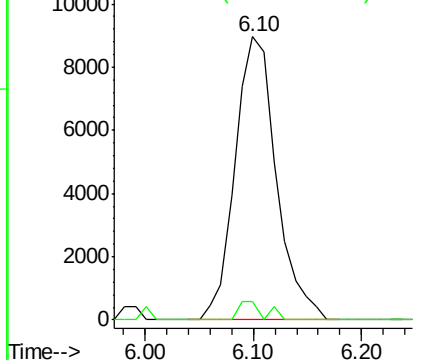


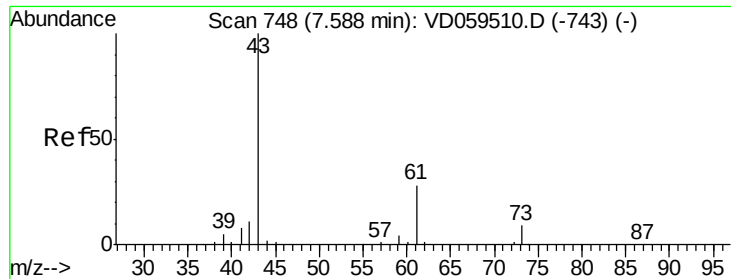
#42
1,2-Dichloroethane
Concen: 2.26 ug/l
RT: 6.10 min Scan# 597
Delta R.T. 0.01 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

Tgt Ion:	62	Resp:	23737
Ion Ratio	Lower	Upper	
62	100		
98	6.7	0.0	10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 2.14 ug/l

RT: 7.60 min Scan# 749

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

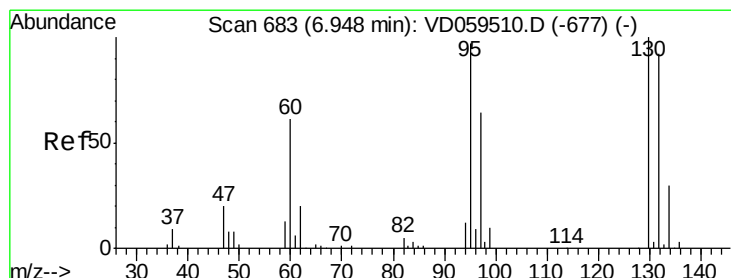
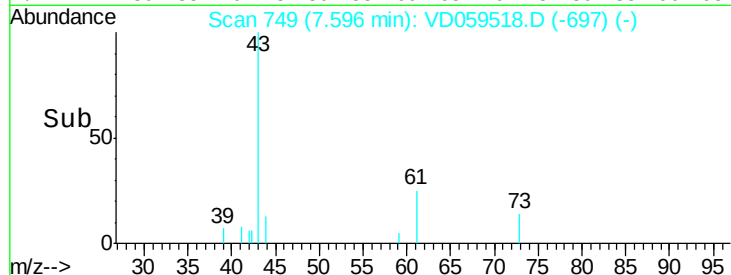
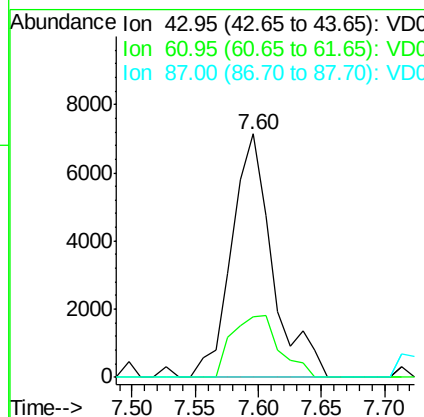
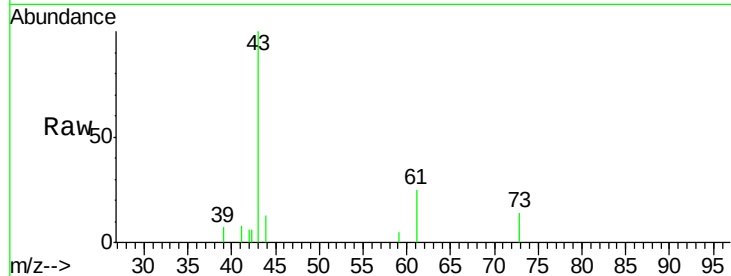
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	43	Resp:	16025
Ion Ratio	Lower	Upper	
43	100		
61	24.6	22.3	33.5
87	0.0	0.4	0.6#

Manual Integrations
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#44

Trichloroethene

Concen: 2.13 ug/l

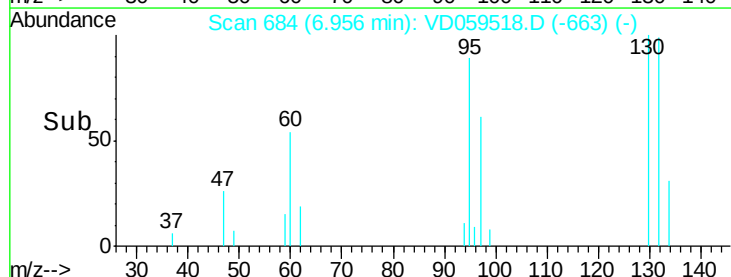
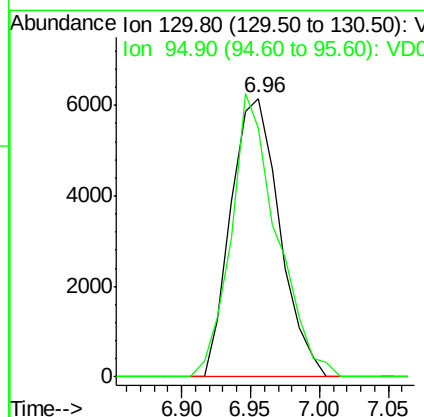
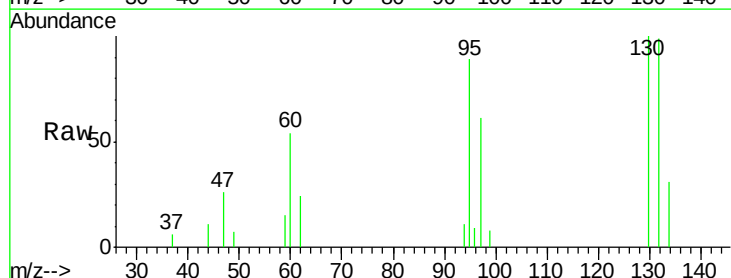
RT: 6.96 min Scan# 684

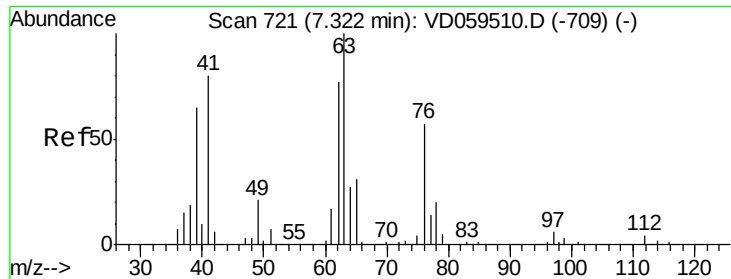
Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion:	130	Resp:	15160
Ion Ratio	Lower	Upper	
130	100		
95	89.4	0.0	193.6





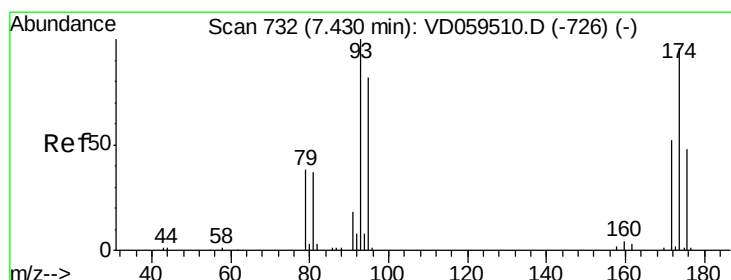
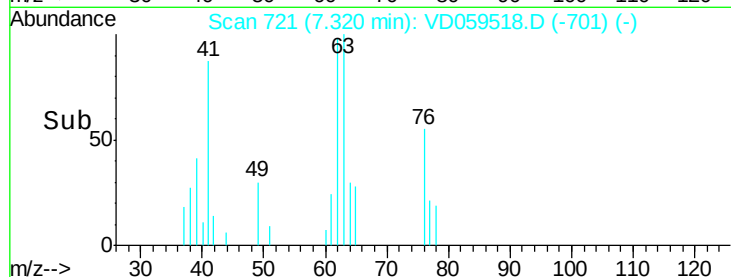
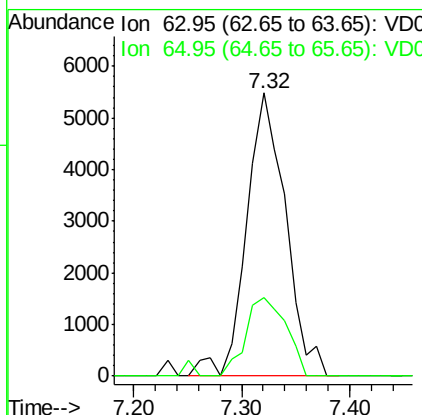
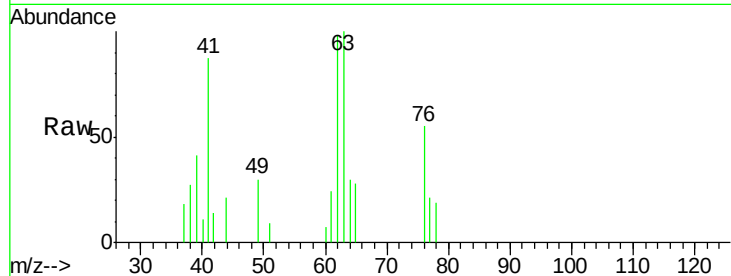
#45
 1,2-Dichloropropane
 Concen: 2.10 ug/l
 RT: 7.32 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

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

Tot Ion: 63 Resp: 13781
 Ion Ratio Lower Upper
 63 100
 65 27.7 24.4 36.6

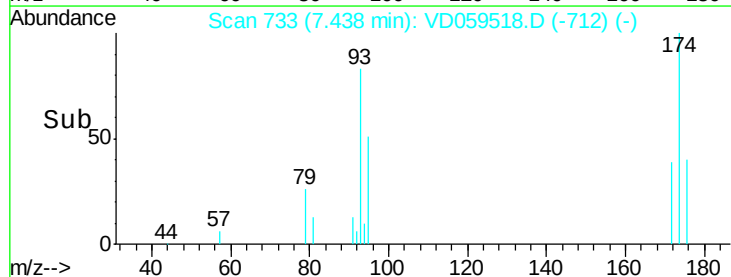
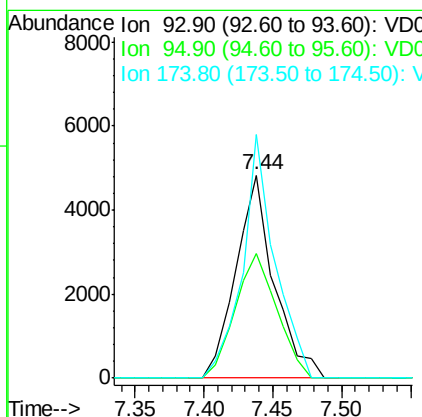
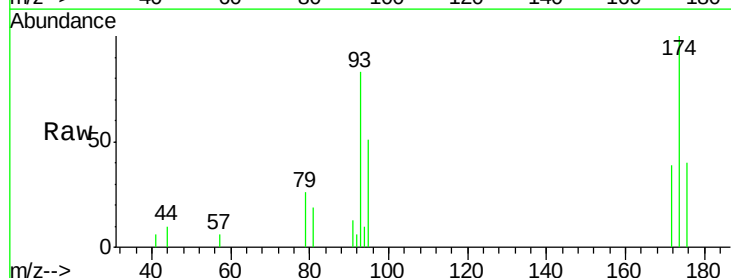
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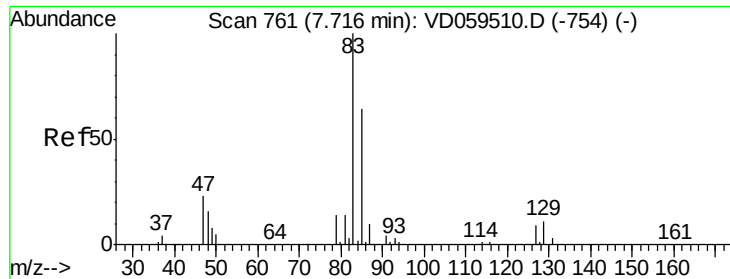
apatel
 7/3/2018 10:28:15 AM



#46
 Dibromomethane
 Concen: 2.10 ug/l
 RT: 7.44 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

Tgt Ion: 93 Resp: 9305
 Ion Ratio Lower Upper
 93 100
 95 61.6 65.7 98.5#
 174 119.8 77.2 115.8#





#47

Bromodichloromethane

Concen: 1.74 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

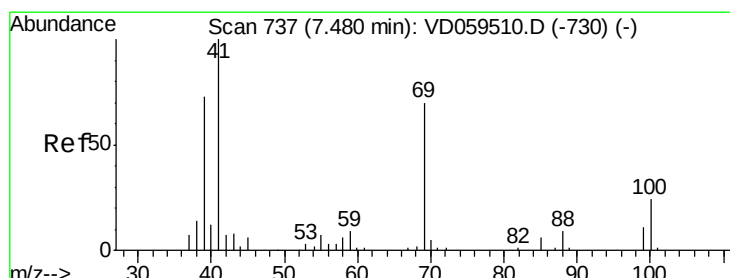
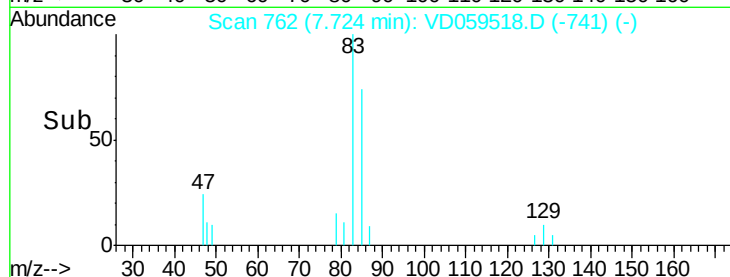
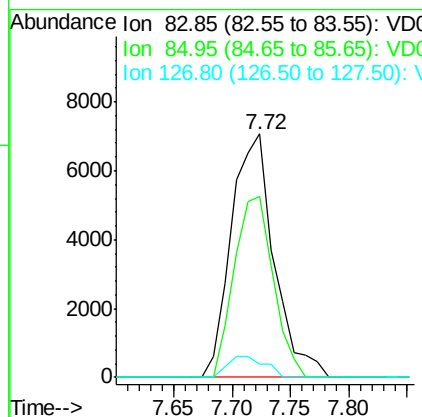
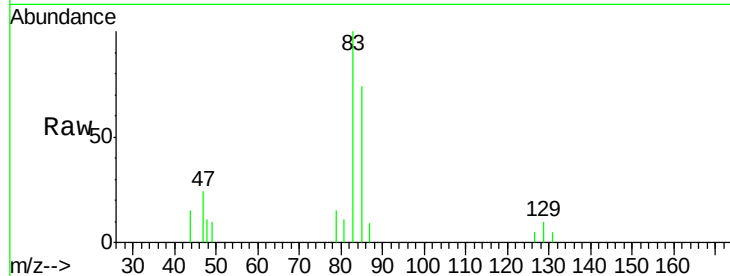
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	83	Resp:	17957
Ion	Ratio	Lower	Upper
83	100		
85	74.4	51.0	76.4
127	5.5	7.0	10.6#

Manual Integrations
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apatel
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#48

Methyl methacrylate

Concen: 2.14 ug/l

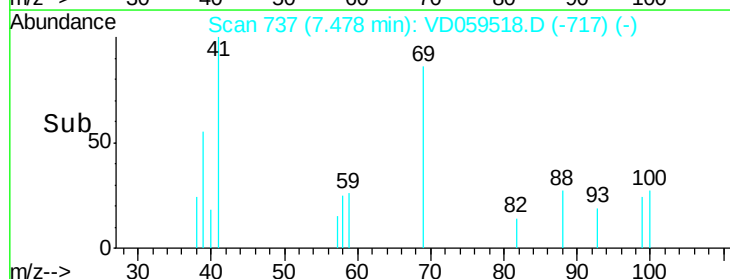
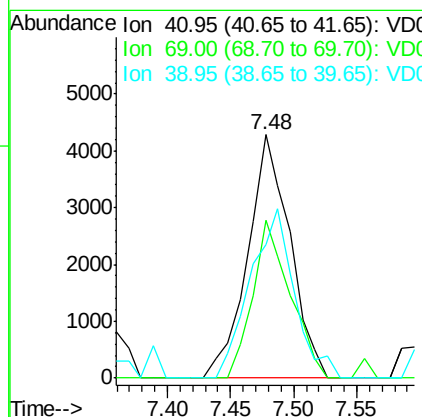
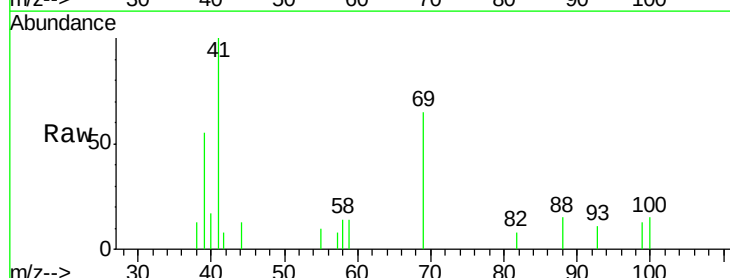
RT: 7.48 min Scan# 737

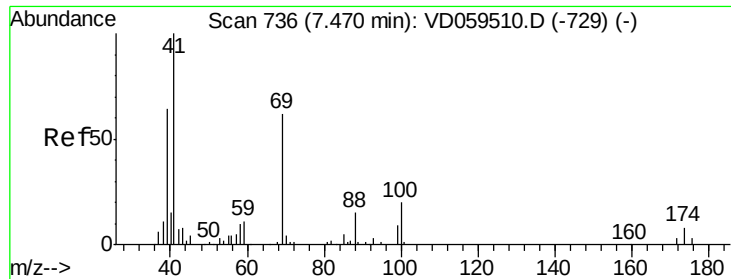
Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion:	41	Resp:	9989
Ion	Ratio	Lower	Upper
41	100		
69	64.7	55.8	83.8
39	54.9	58.7	88.1#





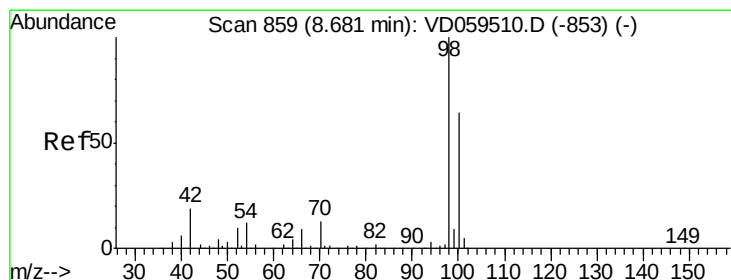
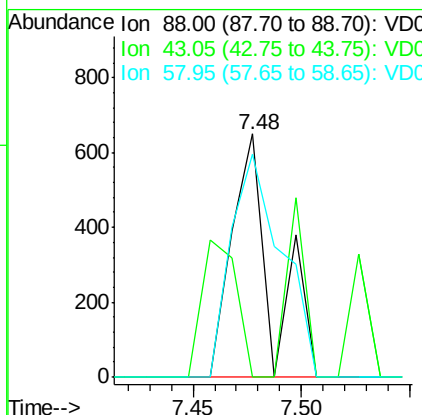
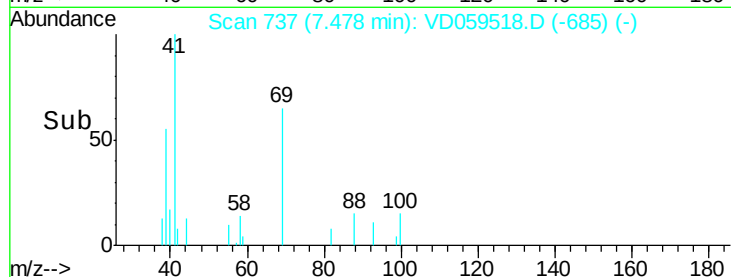
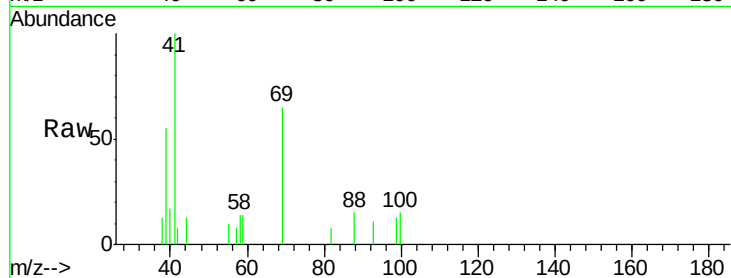
#49
1,4-Dioxane
Concen: 19.23 ug/l
RT: 7.48 min Scan# 737
Delta R.T. 0.01 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

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

Tot Ion: 88 Resp: 838
Ion Ratio Lower Upper
88 100
43 0.0 41.4 62.0#
58 91.4 49.4 74.2#

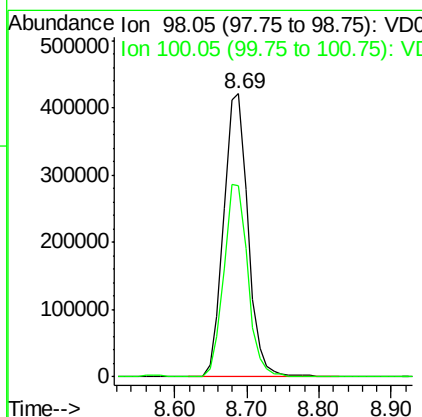
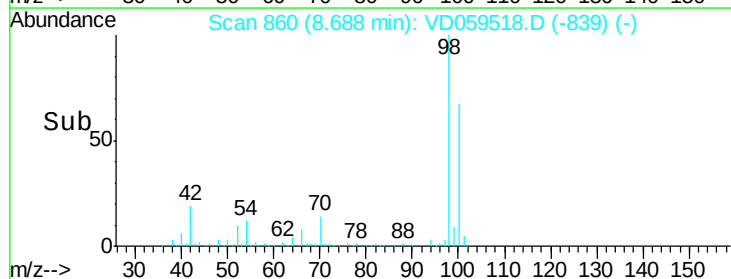
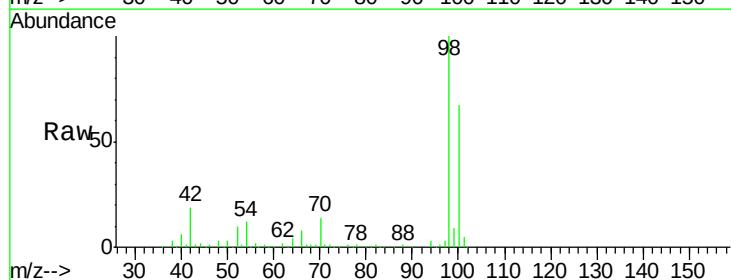
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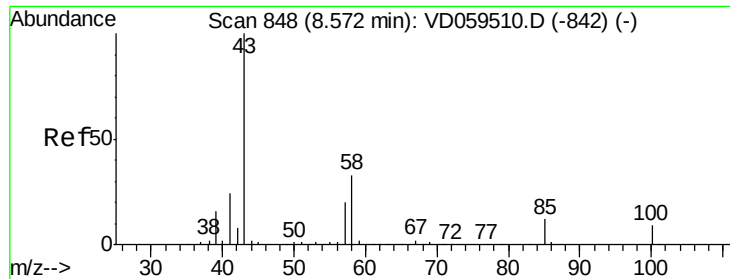
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#50
Toluene-d8
Concen: 19.23 ug/l
RT: 8.69 min Scan# 860
Delta R.T. 0.01 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

Tgt Ion: 98 Resp: 985866
Ion Ratio Lower Upper
98 100
100 67.4 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 11.31 ug/l

RT: 8.57 min Scan# 848

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 43 Resp: 55384

Ion Ratio Lower Upper

43 100

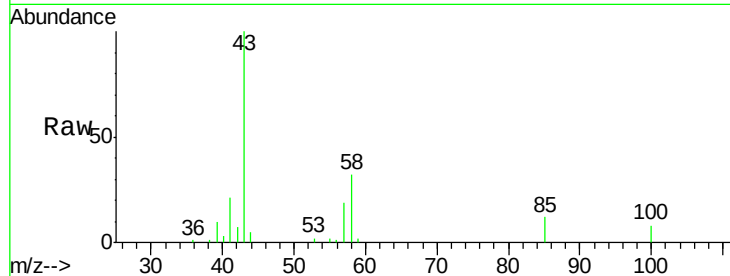
58 32.2 26.7 40.1

Manual Integrations

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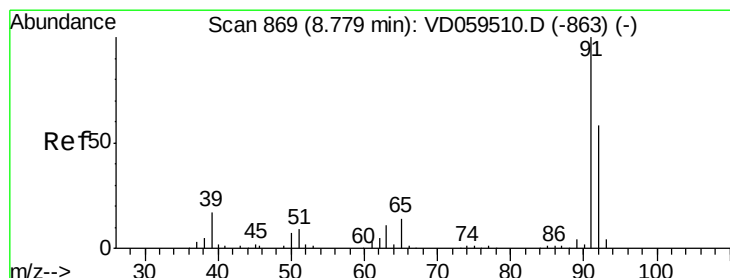
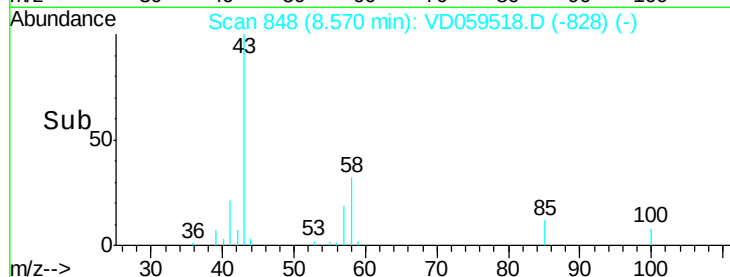
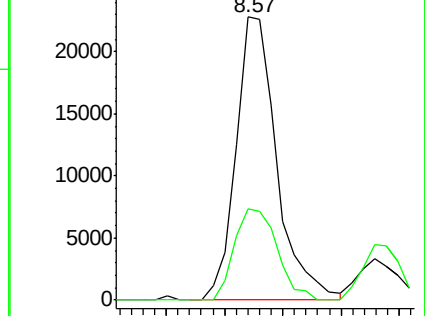
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 2.40 ug/l

RT: 8.78 min Scan# 869

Delta R.T. -0.00 min

Lab File: VD059518.D

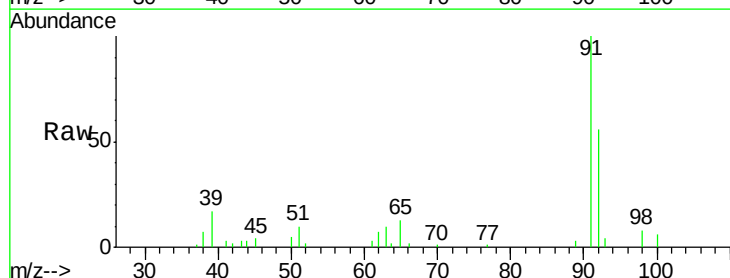
Acq: 2 Jul 2018 23:18

Tgt Ion: 92 Resp: 31106

Ion Ratio Lower Upper

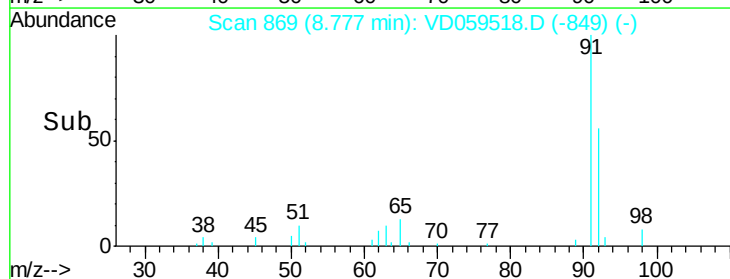
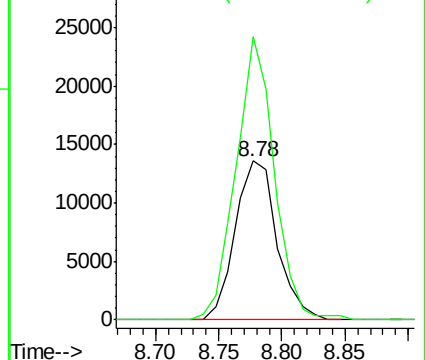
92 100

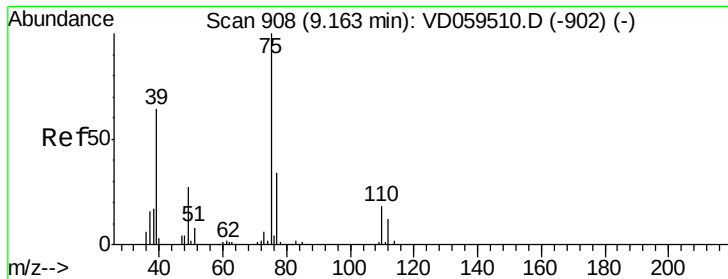
91 178.2 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





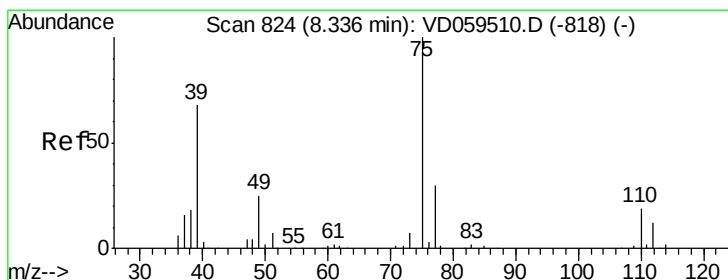
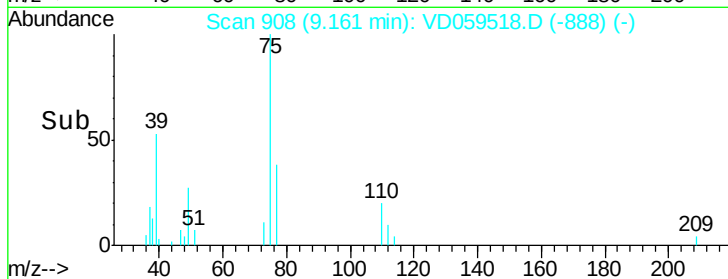
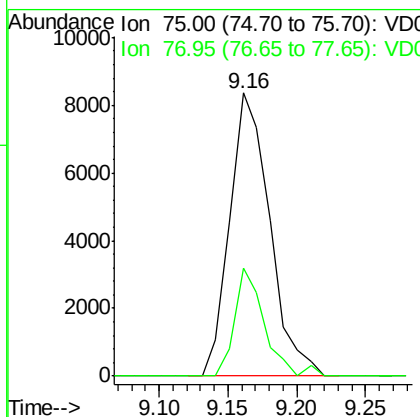
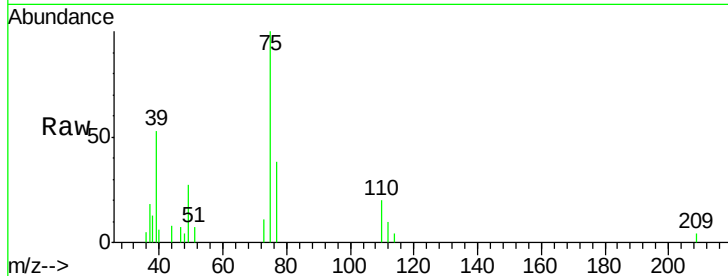
#53
 t-1,3-Dichloropropene
 Concen: 1.87 ug/l
 RT: 9.16 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

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

Tot Ion: 75 Resp: 16847
 Ion Ratio Lower Upper
 75 100
 77 38.0 26.9 40.3

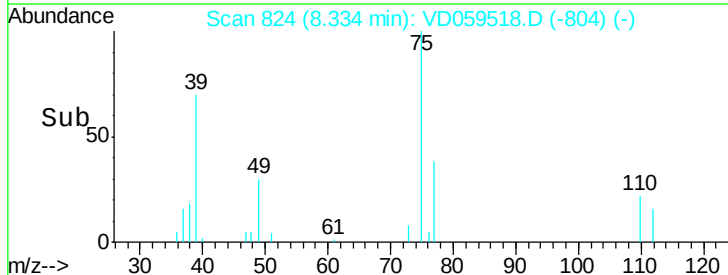
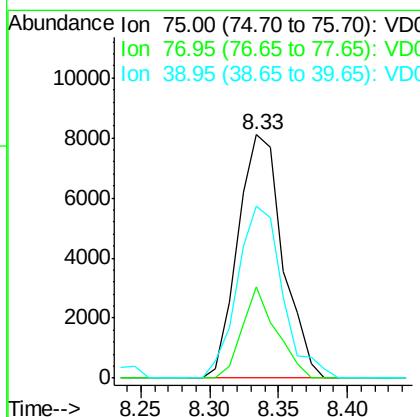
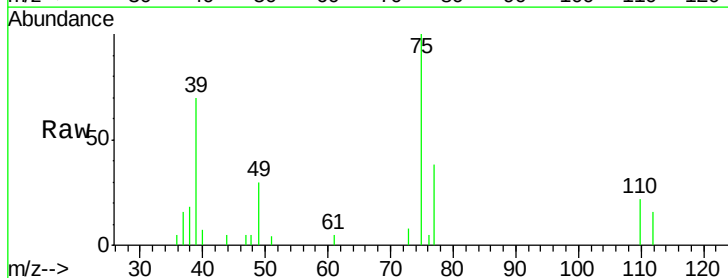
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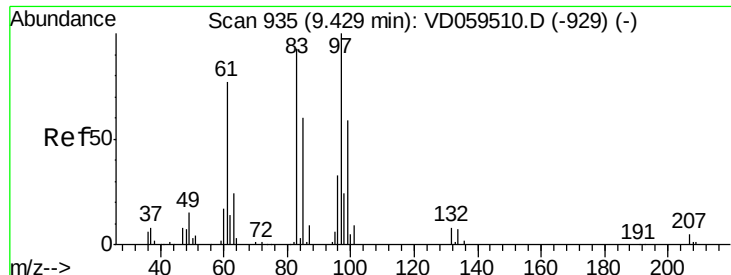
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#54
 cis-1,3-Dichloropropene
 Concen: 1.76 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

Tgt Ion: 75 Resp: 18327
 Ion Ratio Lower Upper
 75 100
 77 37.6 24.4 36.6#
 39 70.4 54.7 82.1





#55

1,1,2-Trichloroethane

Concen: 2.46 ug/l

RT: 9.44 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

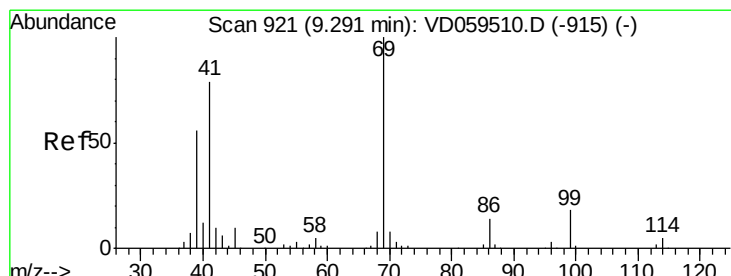
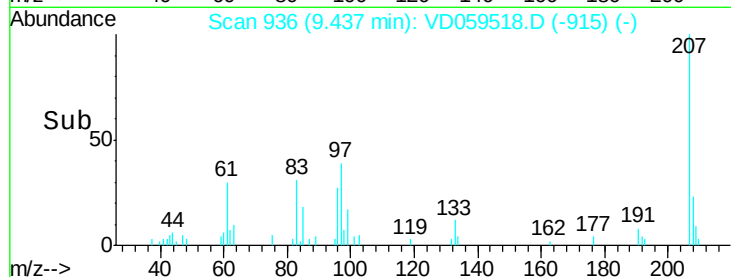
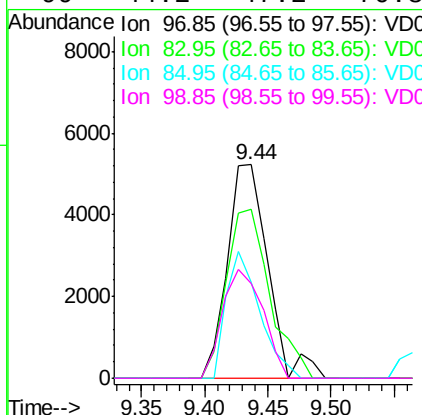
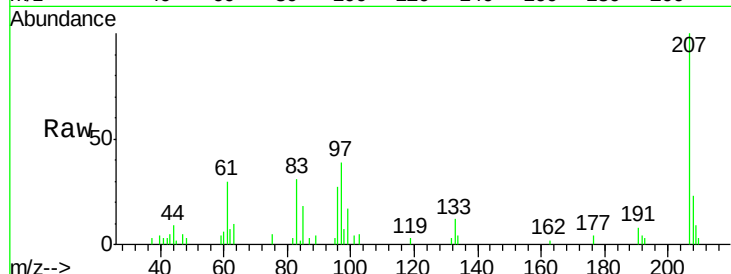
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	97	Resp:	11664
Ion Ratio	Lower	Upper	
97	100		
83	79.0	74.3	111.5
85	45.1	48.1	72.1#
99	44.2	47.2	70.8#

Manual Integrations
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#56

Ethyl methacrylate

Concen: 1.79 ug/l

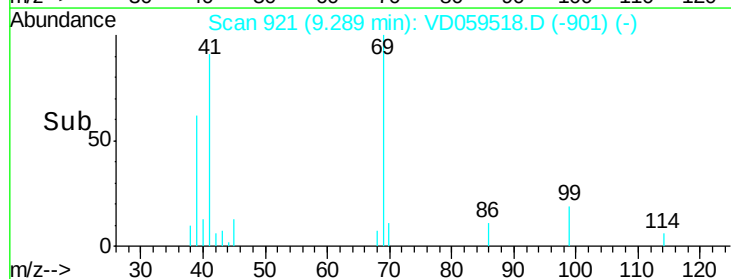
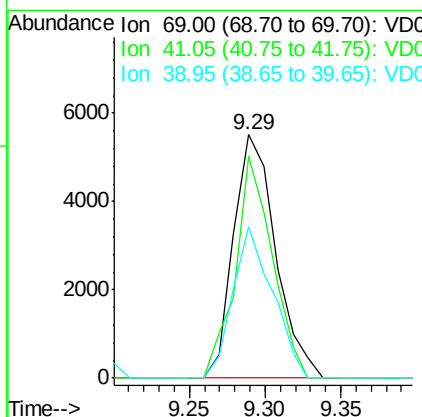
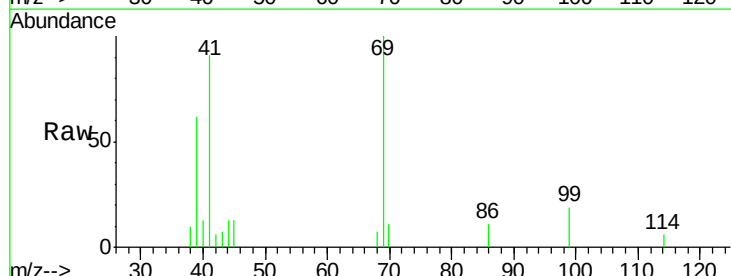
RT: 9.29 min Scan# 921

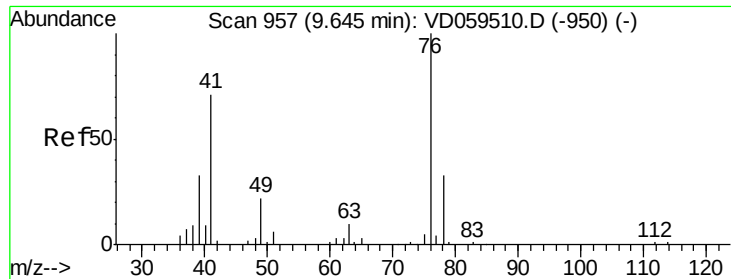
Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion:	69	Resp:	10652
Ion Ratio	Lower	Upper	
69	100		
41	91.0	63.4	95.0
39	62.4	45.0	67.6





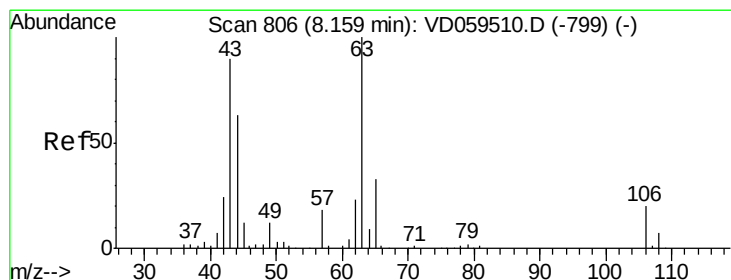
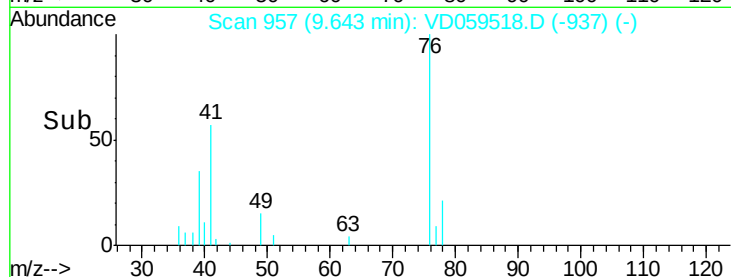
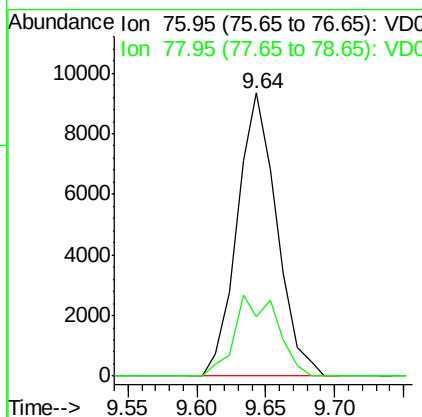
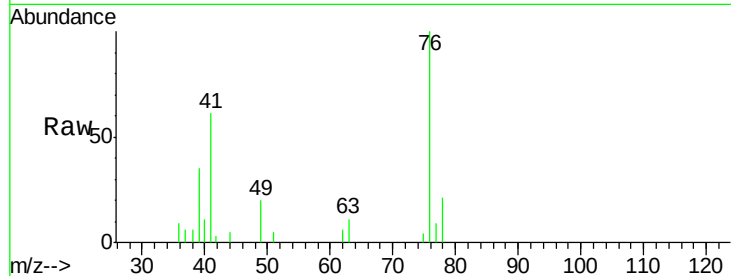
#57
 1,3-Dichloropropane
 Concen: 2.18 ug/l
 RT: 9.64 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

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

Tot Ion: 76 Resp: 18632
 Ion Ratio Lower Upper
 76 100
 78 20.9 26.5 39.7#

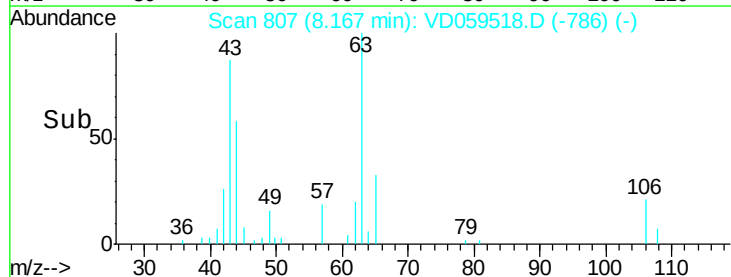
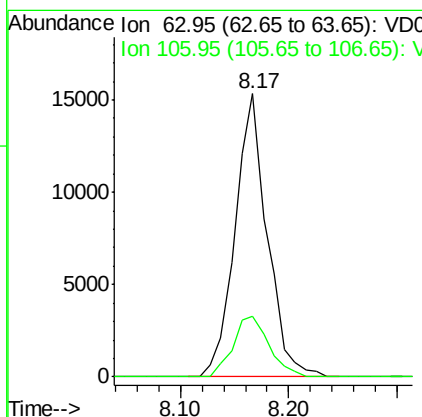
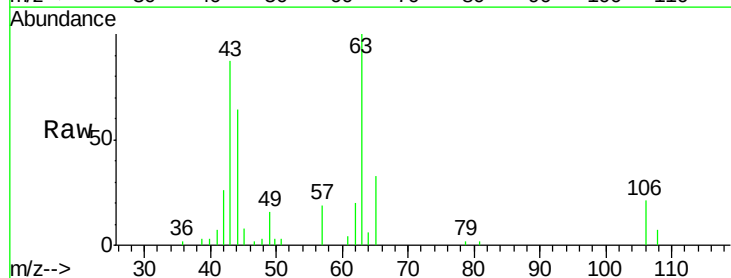
Manual Integrations
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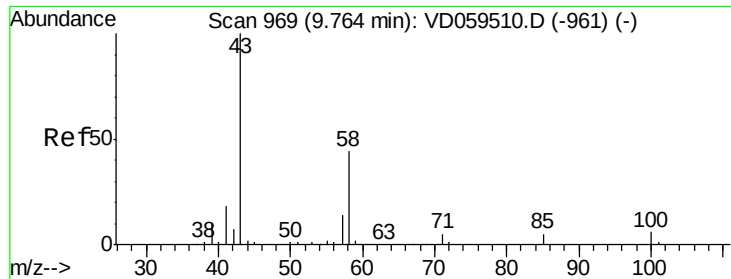
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 10.98 ug/l
 RT: 8.17 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

Tgt Ion: 63 Resp: 31574
 Ion Ratio Lower Upper
 63 100
 106 21.3 16.4 24.6





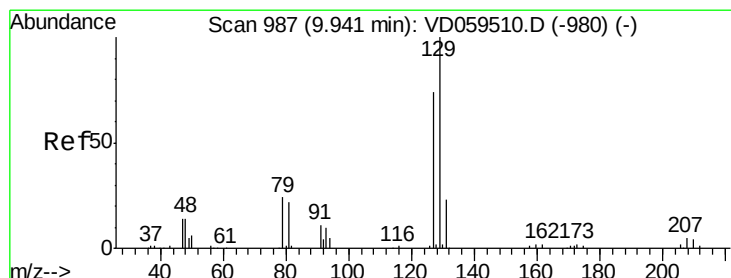
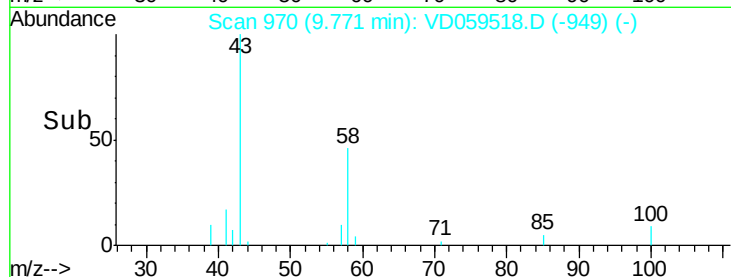
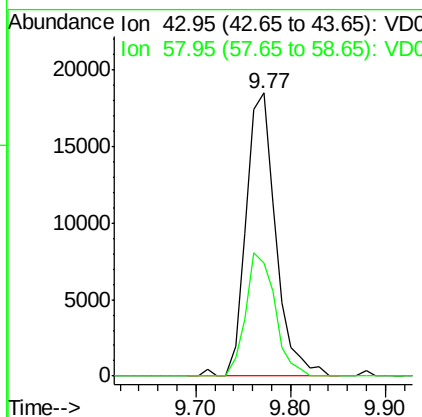
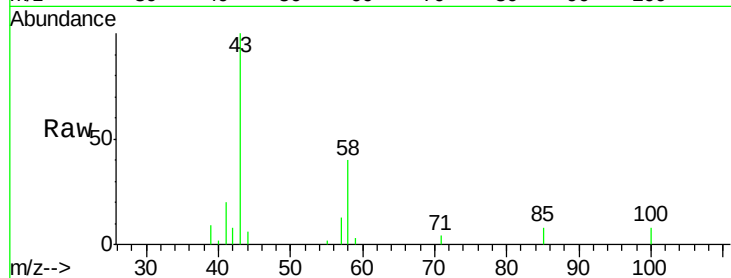
#59
2-Hexanone
Concen: 11.15 ug/l
RT: 9.77 min Scan# 970
Delta R.T. 0.01 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

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

Tot Ion: 43 Resp: 40145
Ion Ratio Lower Upper
43 100
58 39.9 22.0 66.0

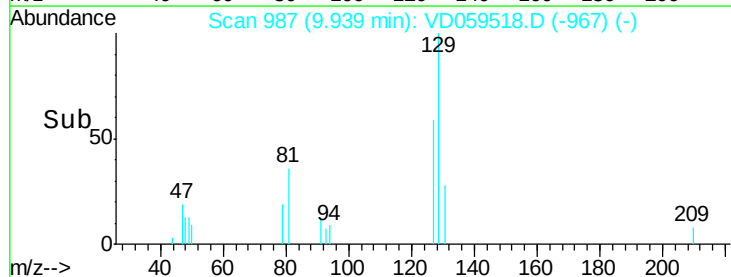
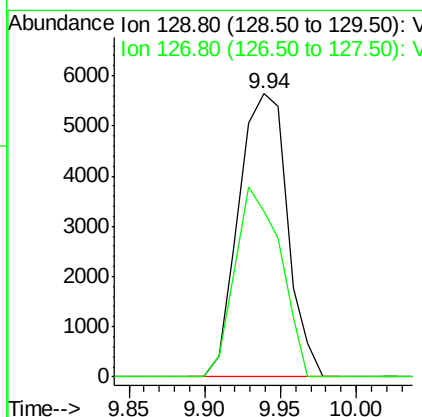
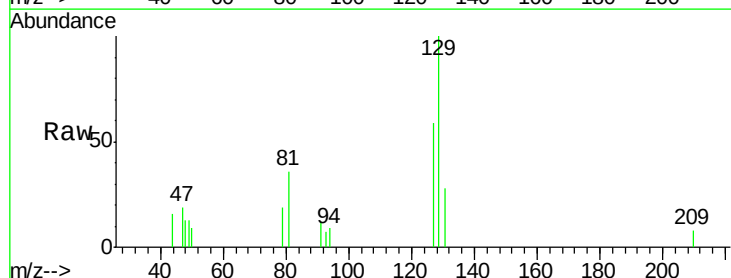
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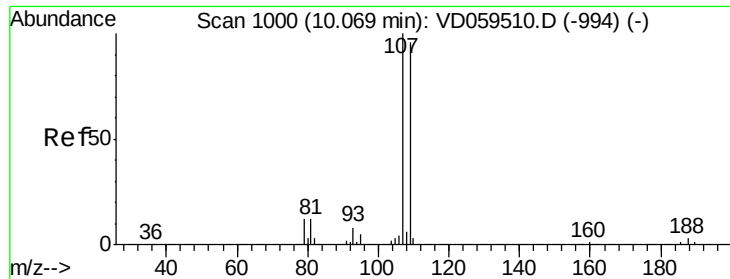
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#60
Dibromochloromethane
Concen: 1.91 ug/l
RT: 9.94 min Scan# 987
Delta R.T. -0.00 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

Tgt Ion:129 Resp: 12678
Ion Ratio Lower Upper
129 100
127 58.7 37.2 111.6





#61

1,2-Dibromoethane

Concen: 1.81 ug/l

RT: 10.07 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 107 Resp: 9506

Ion Ratio Lower Upper

107 100

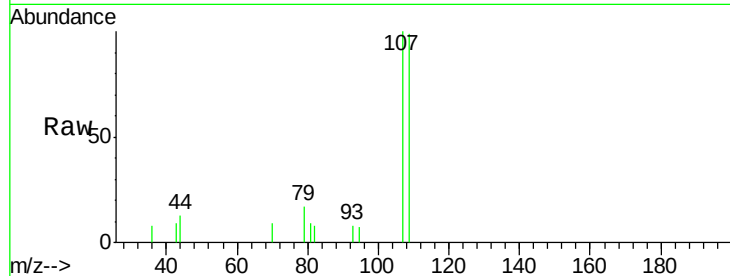
109 99.2 76.8 115.2

Manual Integrations

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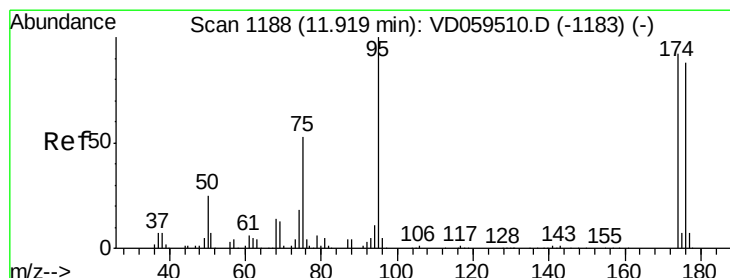
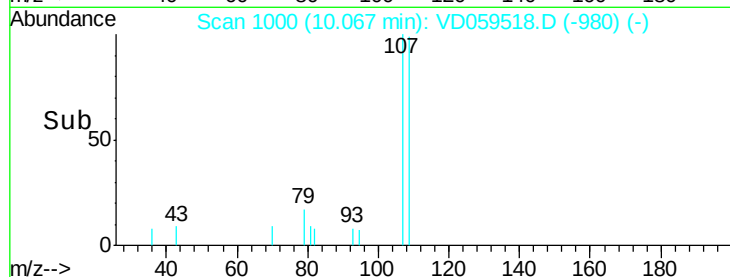
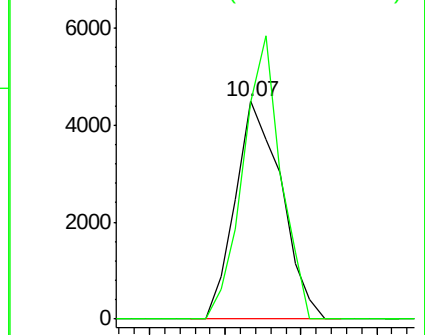
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 1.81 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

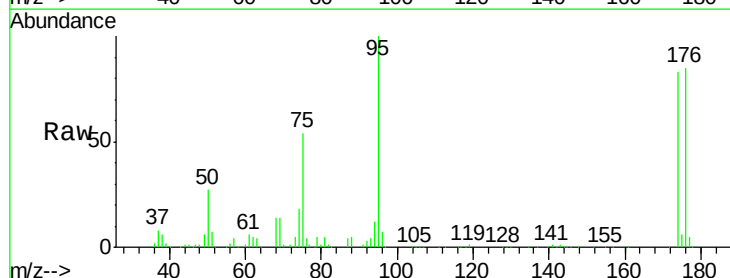
Tgt Ion: 95 Resp: 410365

Ion Ratio Lower Upper

95 100

174 82.8 0.0 183.0

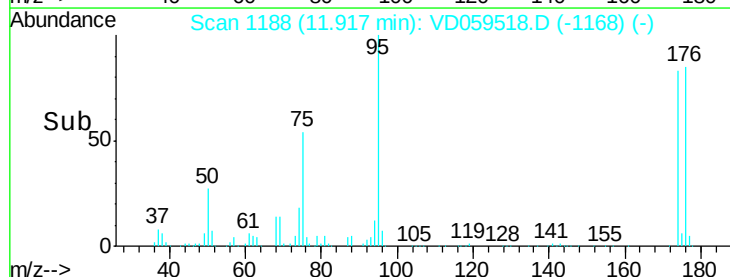
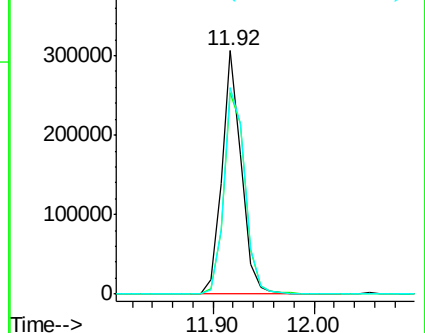
176 85.0 0.0 176.6

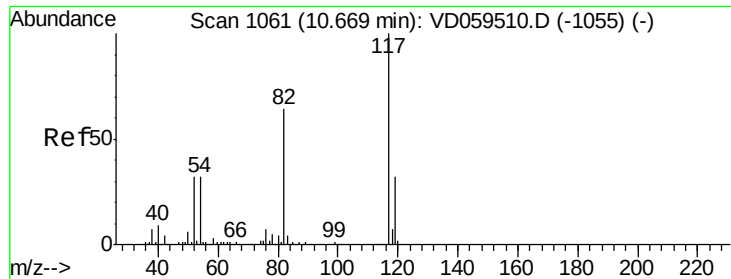


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





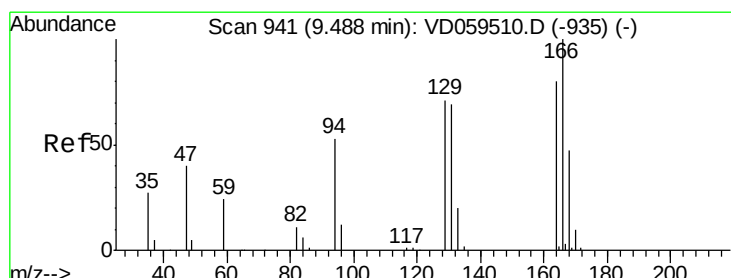
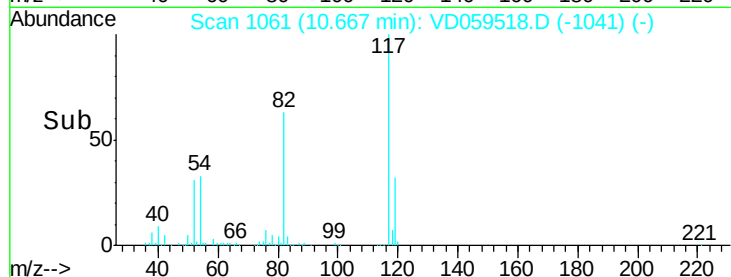
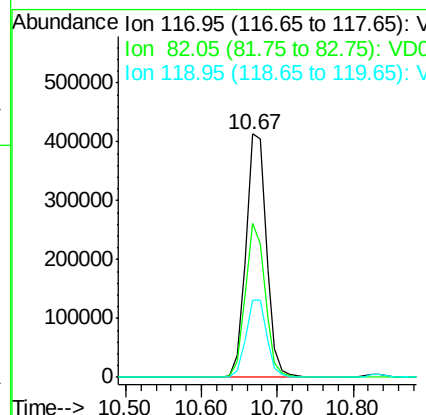
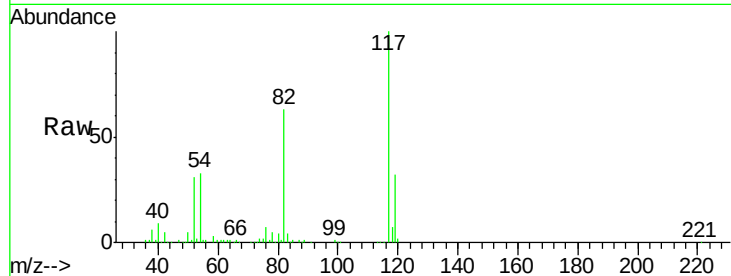
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.67 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.4	51.1	76.7
119	31.7	25.6	38.4

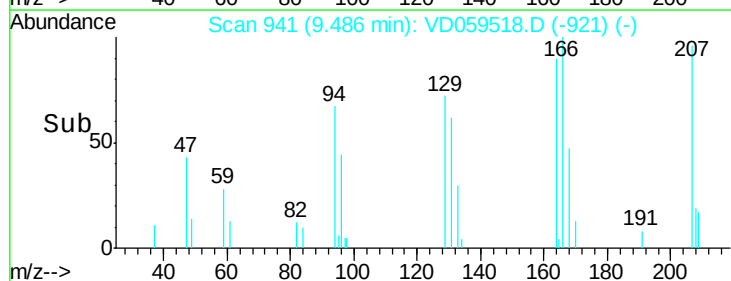
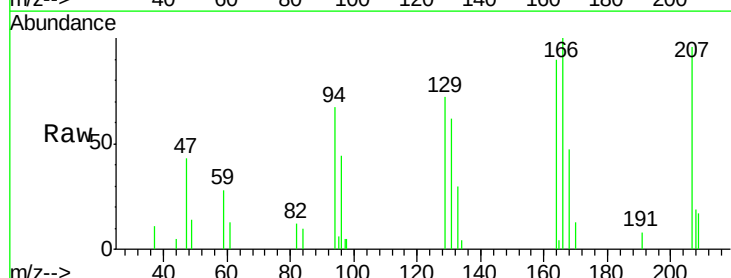
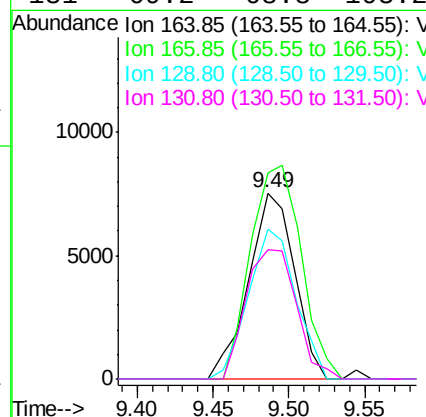
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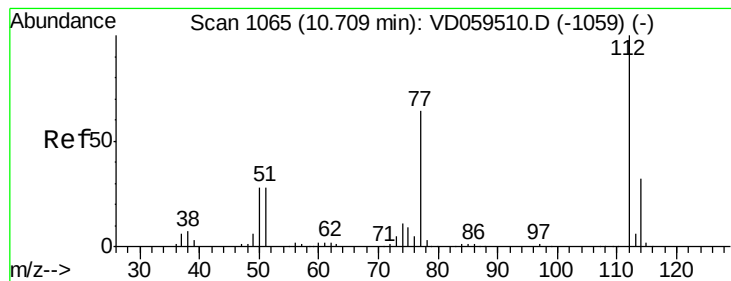
apatel
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#64
Tetrachloroethene
Concen: 2.40 ug/l
RT: 9.49 min Scan# 941
Delta R.T. -0.00 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	111.0	99.5	149.3
129	80.5	70.9	106.3
131	69.2	68.8	103.2





#65

Chlorobenzene

Concen: 2.28 ug/l

RT: 10.71 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:112 Resp: 33957

Ion Ratio Lower Upper

112 100

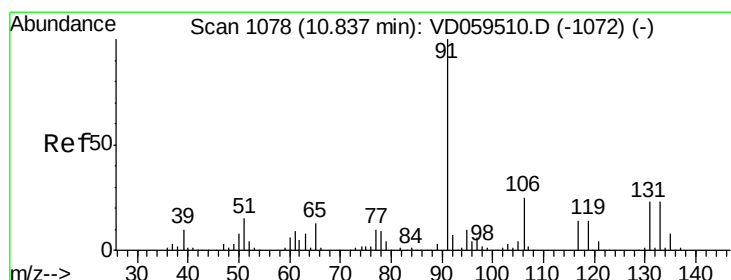
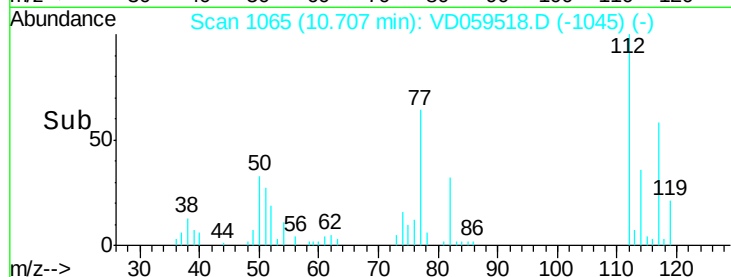
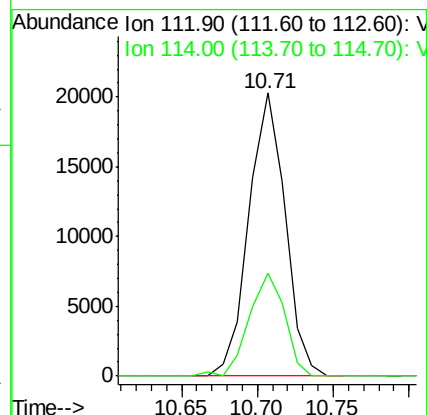
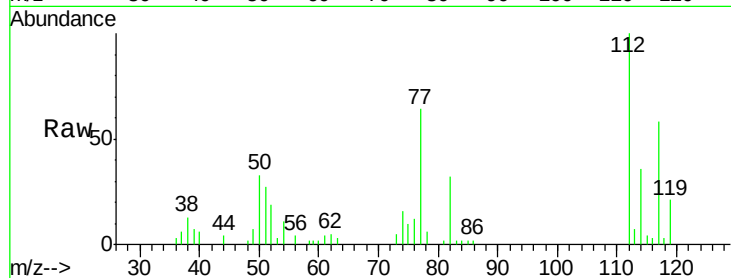
114 36.2 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 2.05 ug/l

RT: 10.83 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

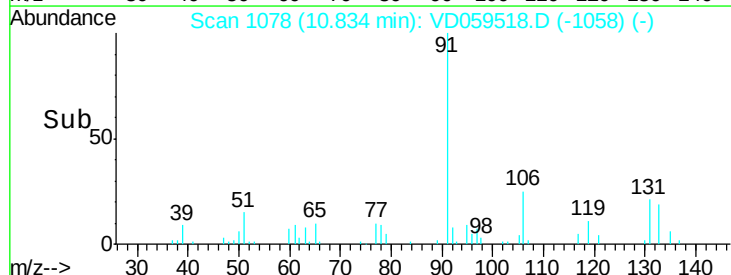
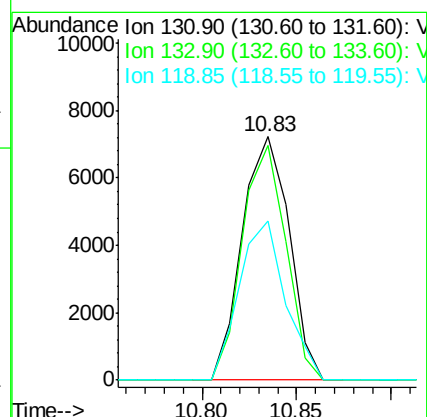
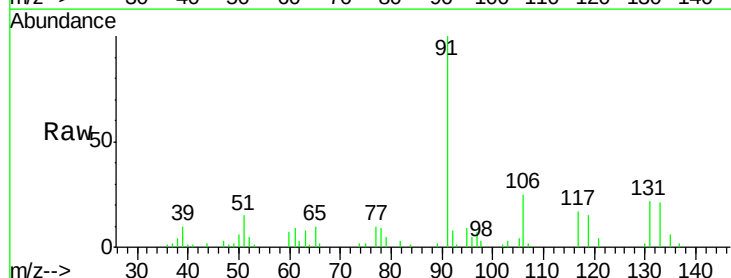
Tgt Ion:131 Resp: 12448

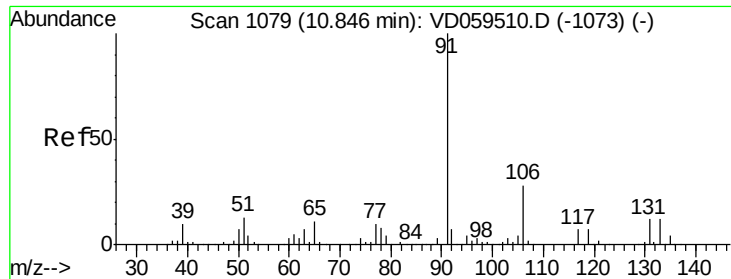
Ion Ratio Lower Upper

131 100

133 96.2 48.9 146.6

119 65.2 30.7 92.1





#67

Ethyl Benzene

Concen: 2.34 ug/l

RT: 10.84 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 91 Resp: 61873

Ion Ratio Lower Upper

91 100

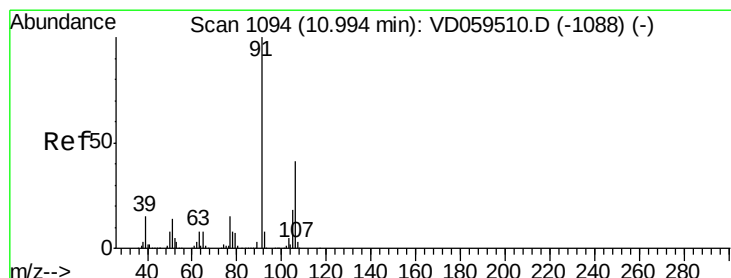
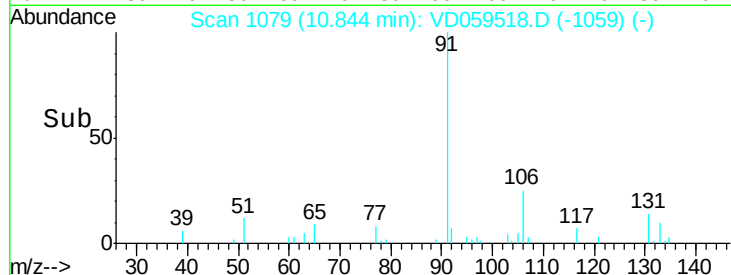
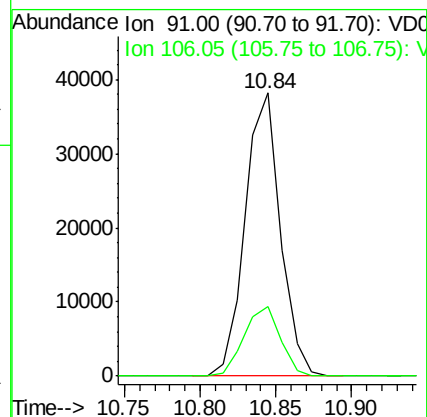
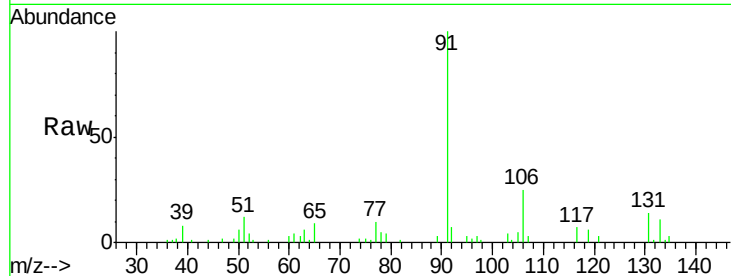
106 24.5 22.2 33.2

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#68

m/p-Xylenes

Concen: 4.27 ug/l

RT: 10.99 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VD059518.D

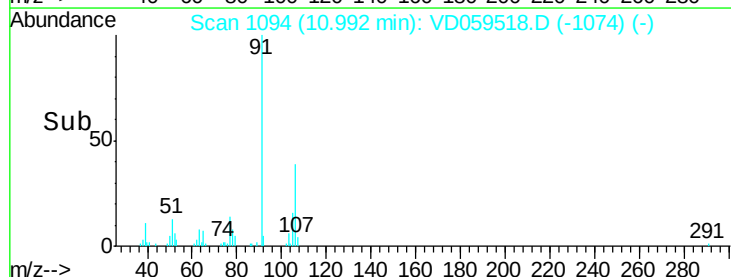
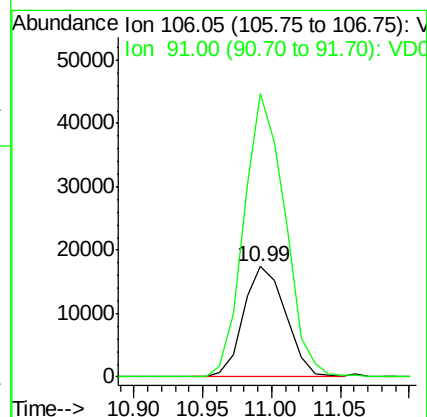
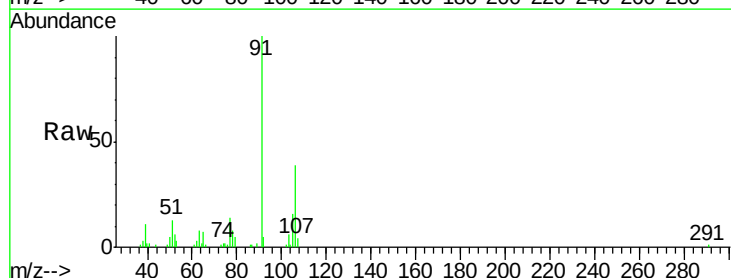
Acq: 2 Jul 2018 23:18

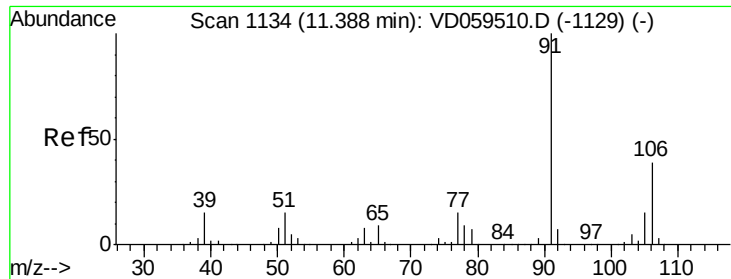
Tgt Ion: 106 Resp: 37243

Ion Ratio Lower Upper

106 100

91 256.1 194.1 291.1





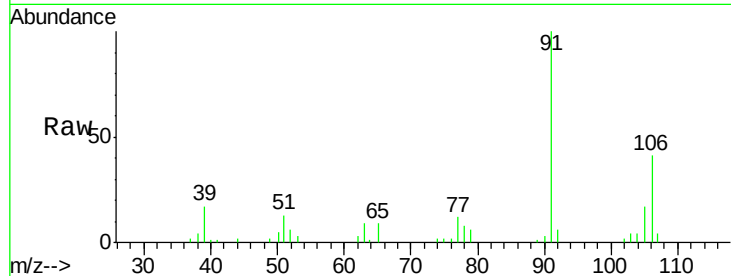
#69
o-Xylene
Concen: 2.33 ug/l
RT: 11.39 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

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

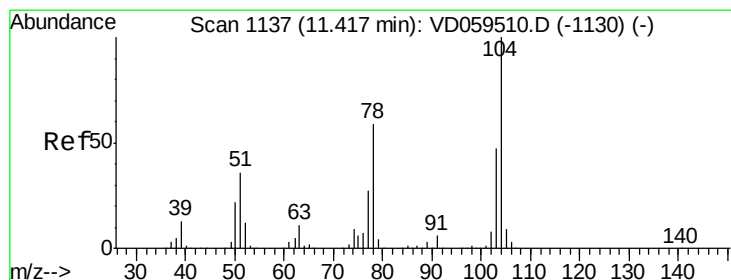
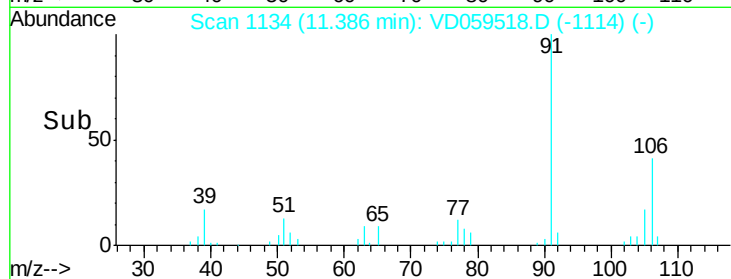
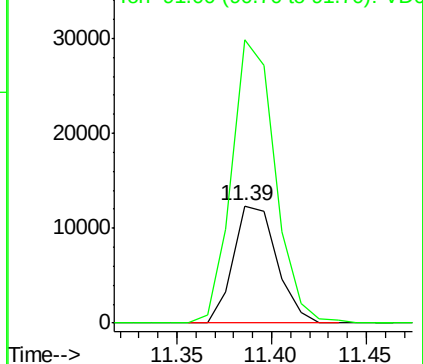
Tot Ion:106 Resp: 19579
Ion Ratio Lower Upper
106 100
91 241.5 127.0 381.0

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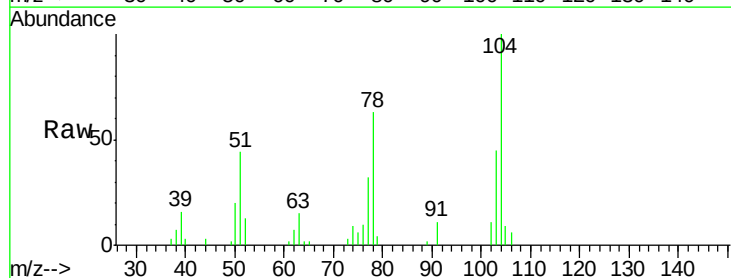


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

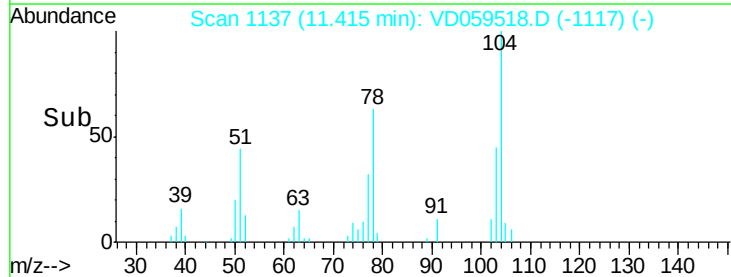
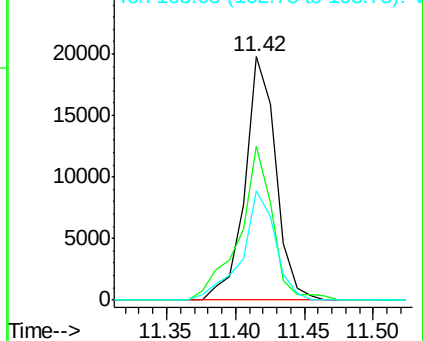


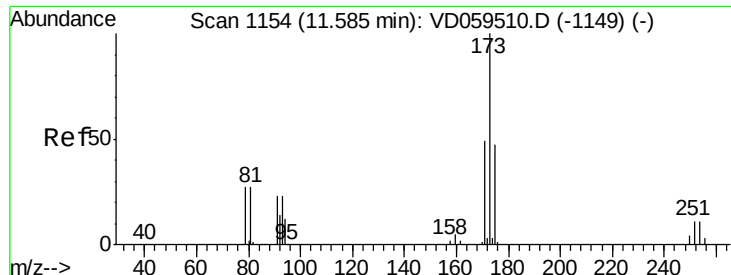
#70
Styrene
Concen: 2.20 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VD059518.D
Acq: 2 Jul 2018 23:18

Tgt Ion:104 Resp: 30929
Ion Ratio Lower Upper
104 100
78 63.2 47.6 71.4
103 44.8 37.6 56.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 1.46 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

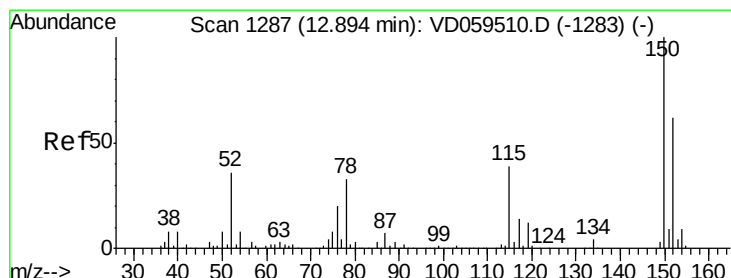
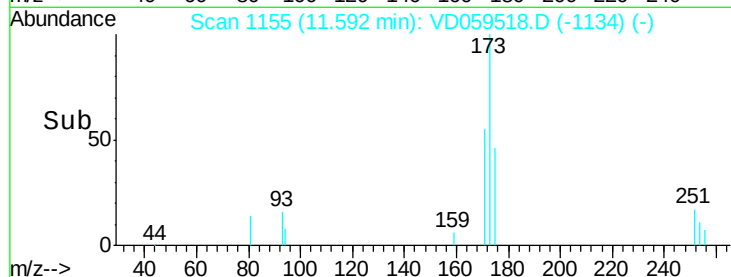
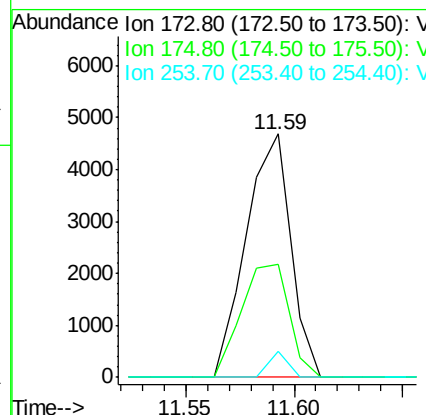
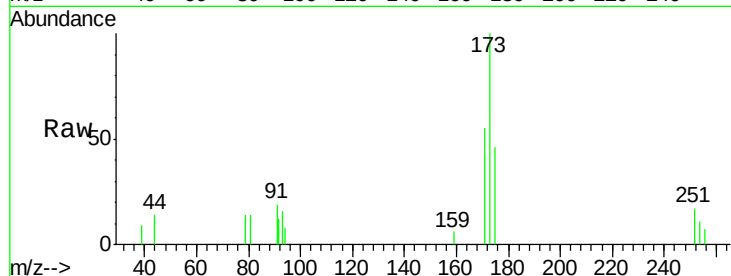
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	173	Resp:	6695
Ion Ratio	Lower	Upper	
173	100		
175	46.3	23.3	69.8
254	10.7	9.0	13.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

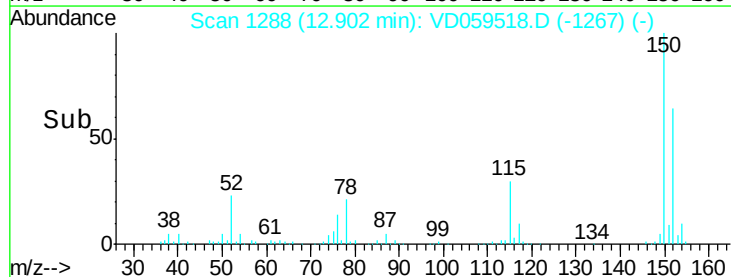
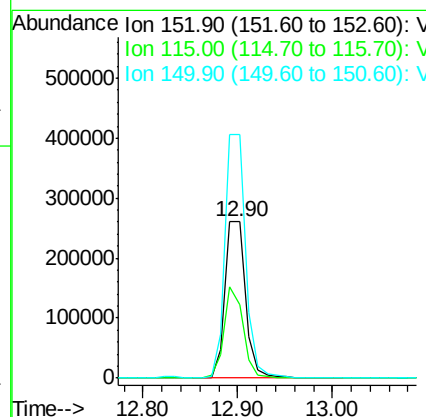
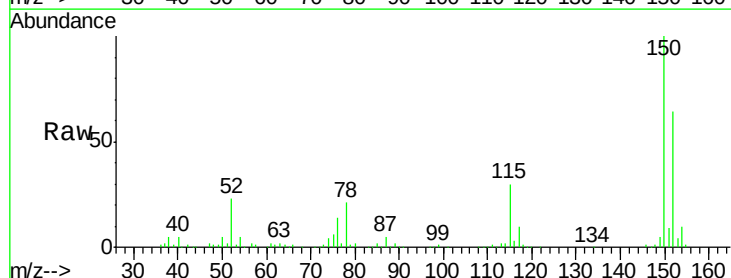
RT: 12.90 min Scan# 1288

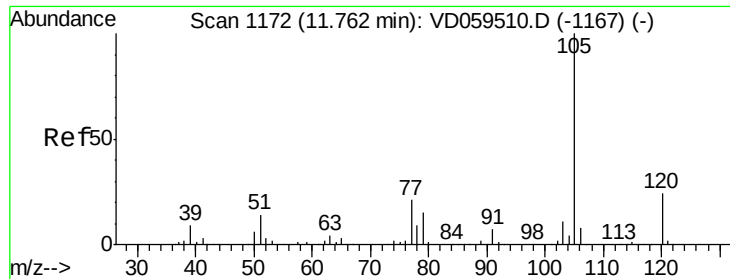
Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion:	152	Resp:	393373
Ion Ratio	Lower	Upper	
152	100		
115	47.2	31.3	93.9
150	155.7	0.0	323.6





#73

Isopropylbenzene

Concen: 2.53 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 105 Resp: 59419

Ion Ratio Lower Upper

105 100

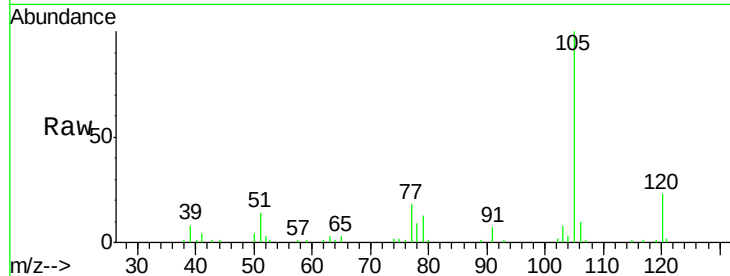
120 23.3 12.1 36.3

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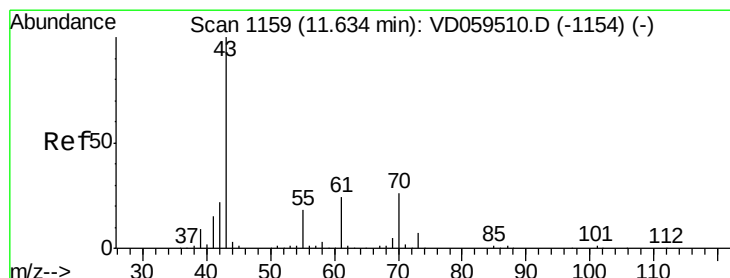
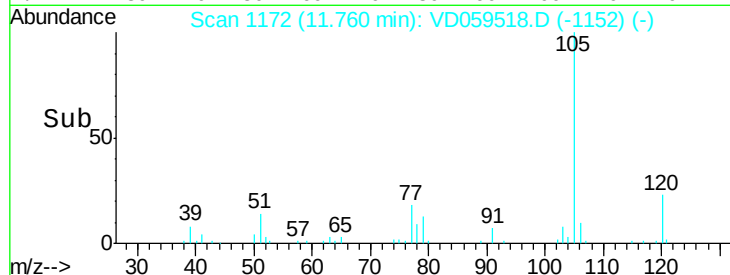
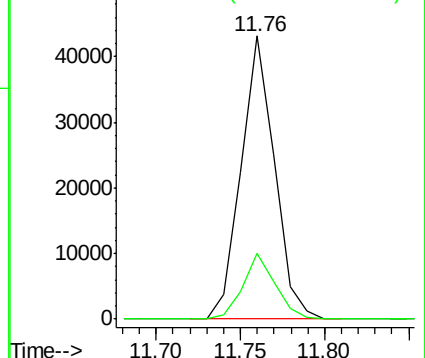
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 2.07 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion: 43 Resp: 20578

Ion Ratio Lower Upper

43 100

70 21.5 20.6 31.0

55 19.1 14.4 21.6

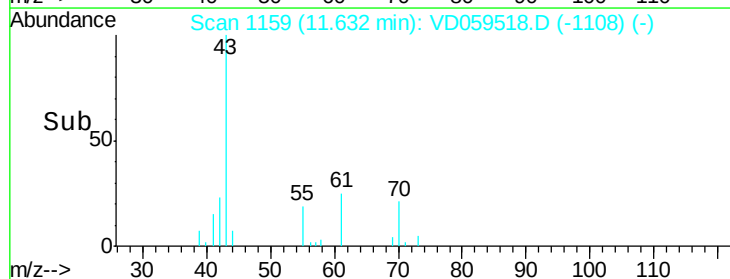
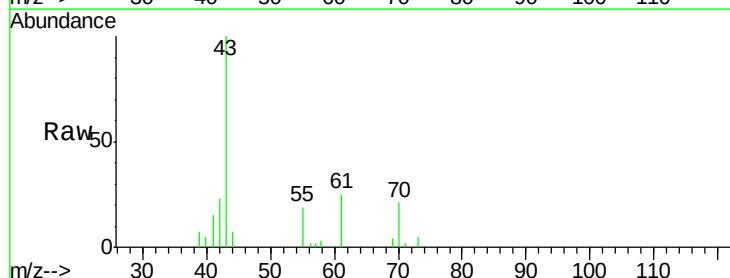
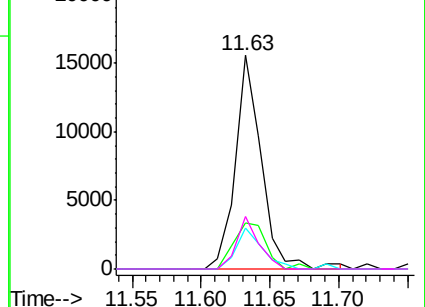
61 24.7 19.2 28.8

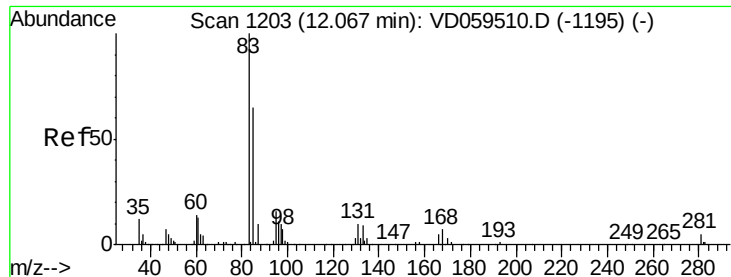
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 1.97 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

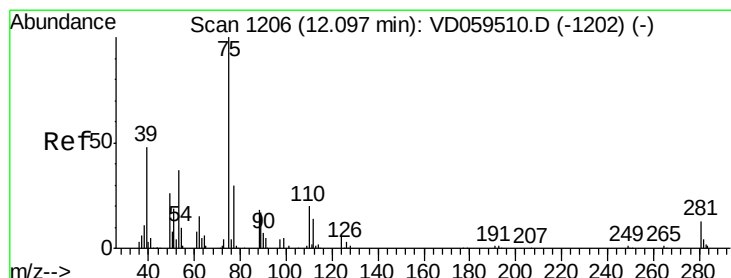
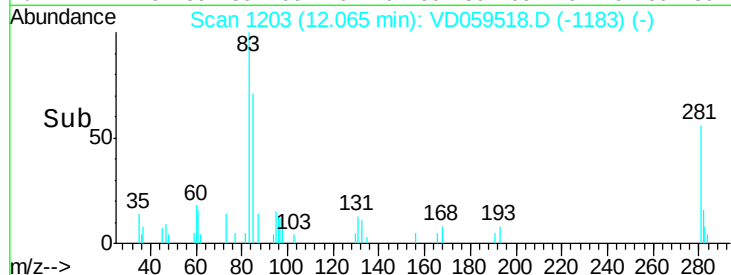
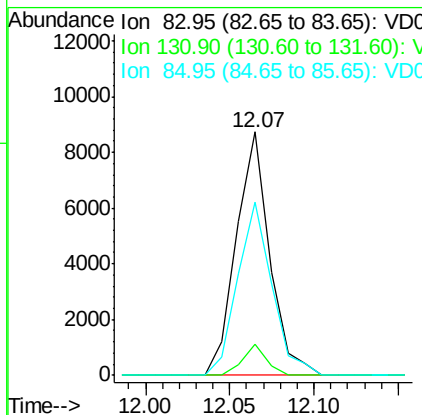
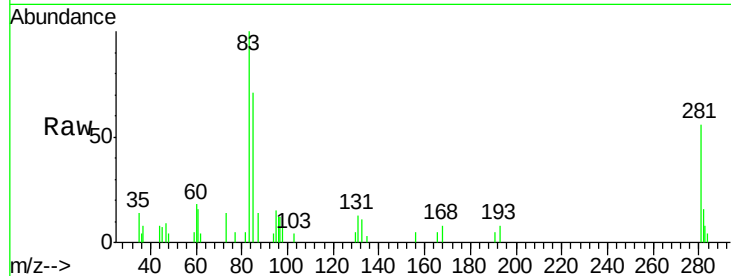
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	83	Resp:	12017
Ion Ratio	Lower	Upper	
83	100		
131	12.8	5.0	15.0
85	71.2	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 2.11 ug/l

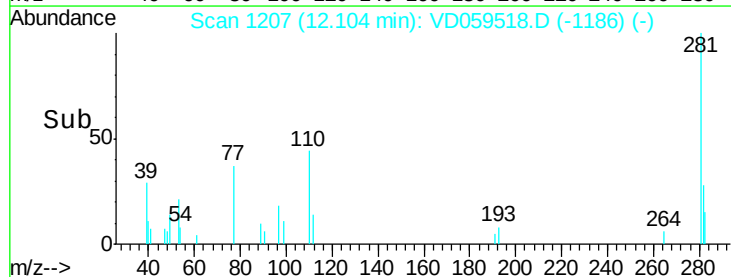
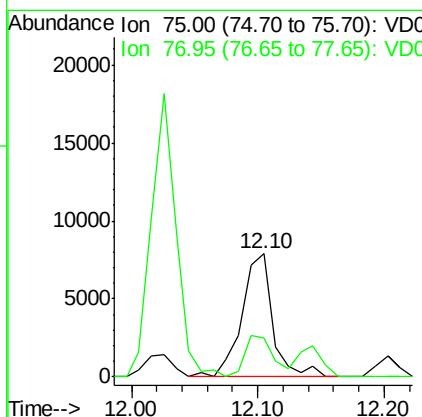
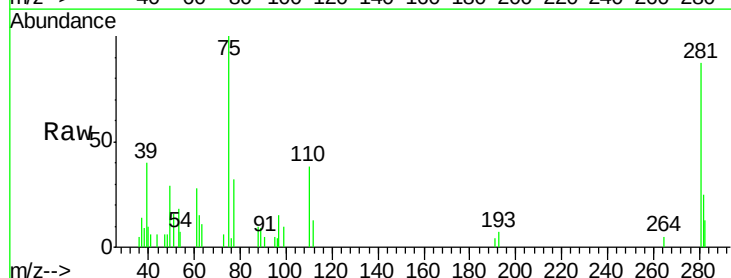
RT: 12.10 min Scan# 1207

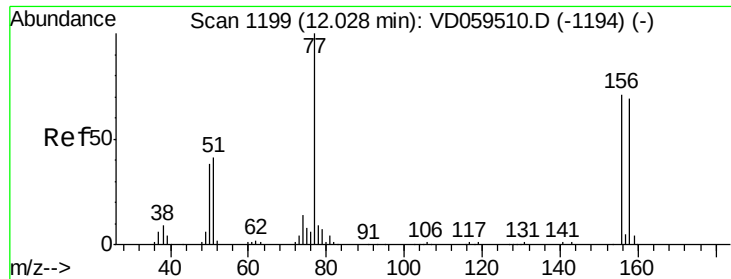
Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion:	75	Resp:	13380
Ion Ratio	Lower	Upper	
75	100		
77	32.1	16.4	49.2





#77

Bromobenzene

Concen: 2.19 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

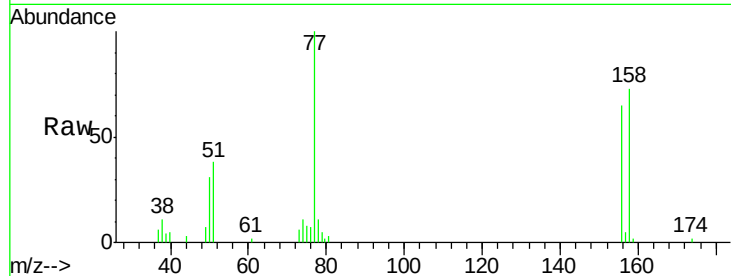
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

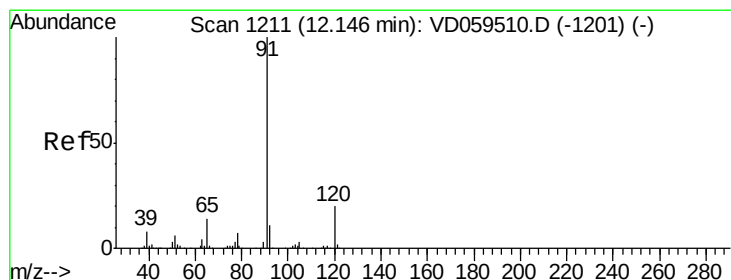
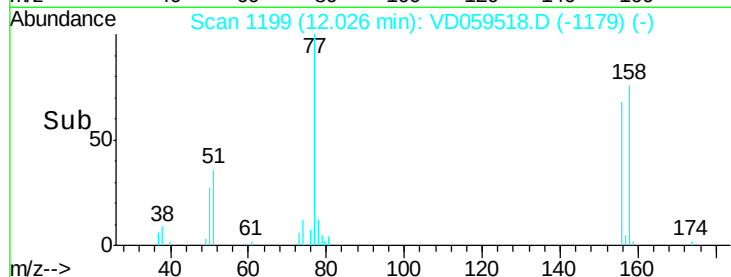
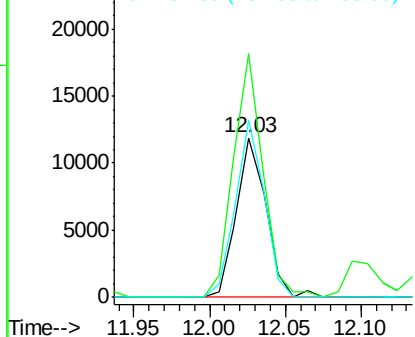
Tot Ion:	156	Resp:	16161
Ion Ratio	Lower	Upper	
156	100		
77	152.9	70.0	210.0
158	111.6	48.3	144.9

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Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 2.23 ug/l

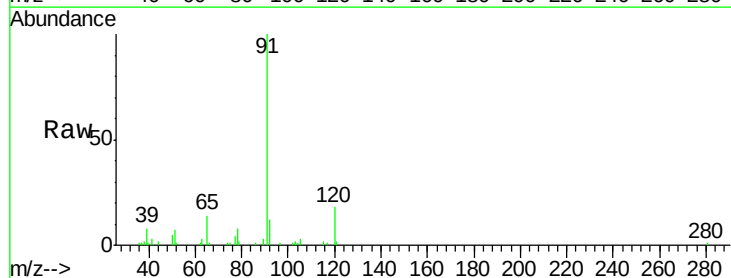
RT: 12.14 min Scan# 1211

Delta R.T. -0.00 min

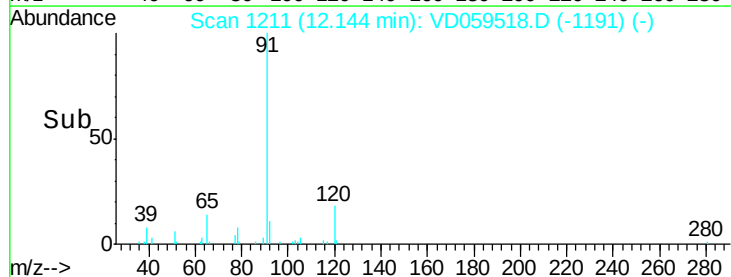
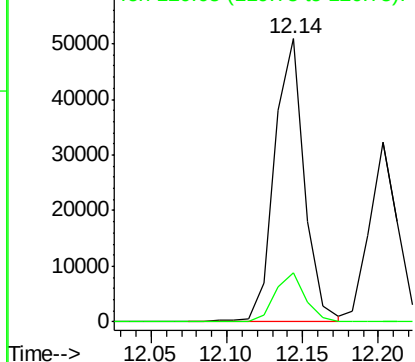
Lab File: VD059518.D

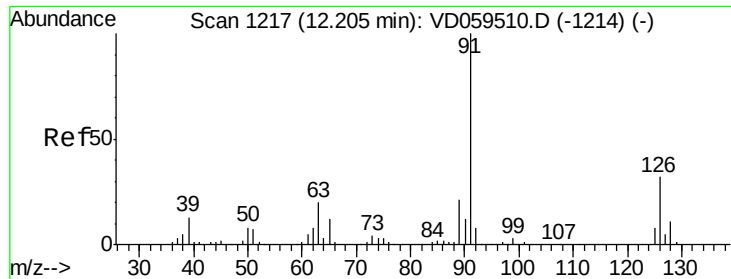
Acq: 2 Jul 2018 23:18

Tgt Ion:	91	Resp:	70271
Ion Ratio	Lower	Upper	
91	100		
120	17.5	10.0	29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





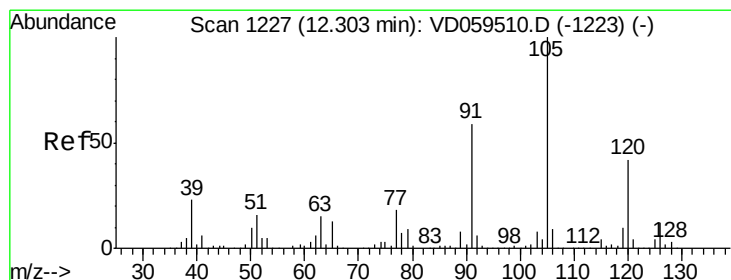
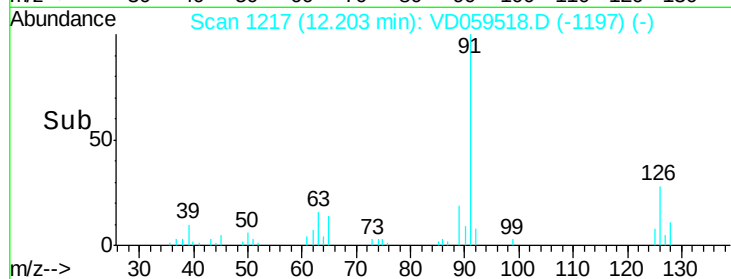
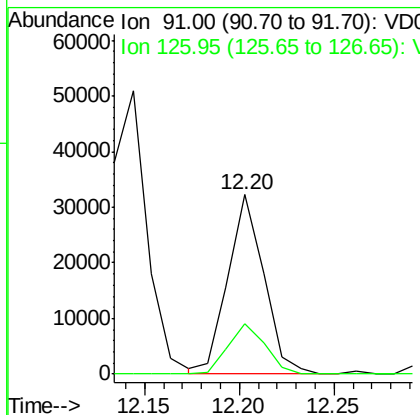
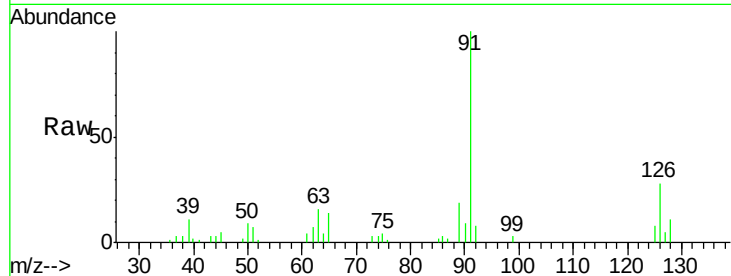
#79
 2-Chlorotoluene
 Concen: 2.29 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

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

Tot Ion: 91 Resp: 42490
 Ion Ratio Lower Upper
 91 100
 126 28.4 15.9 47.6

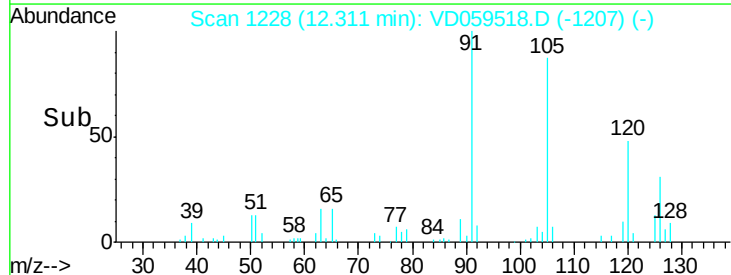
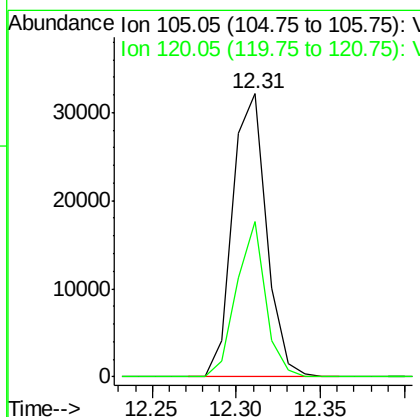
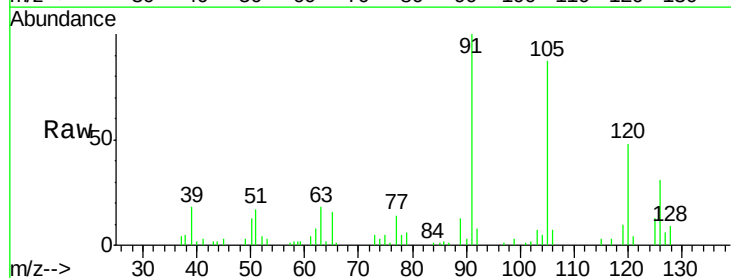
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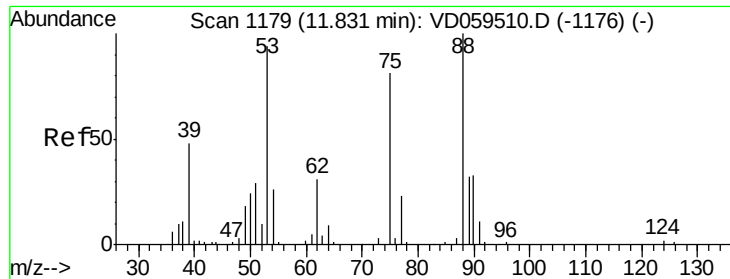
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#80
 1,3,5-Trimethylbenzene
 Concen: 2.35 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

Tgt Ion: 105 Resp: 44893
 Ion Ratio Lower Upper
 105 100
 120 55.0 20.8 62.4





#81

trans-1,4-Dichloro-2-butene

Concen: 3.15 ug/l m

RT: 11.83 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

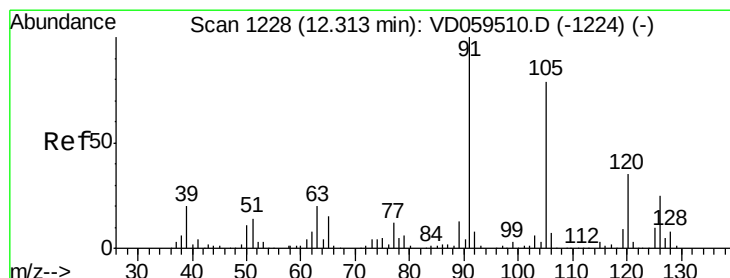
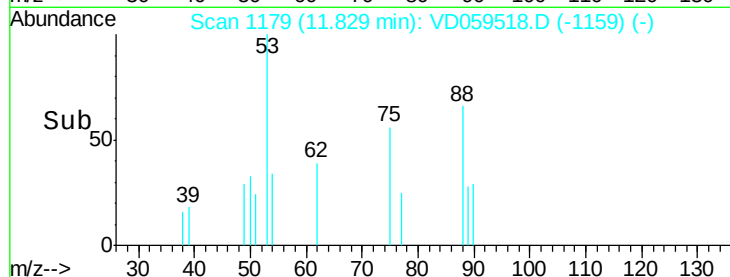
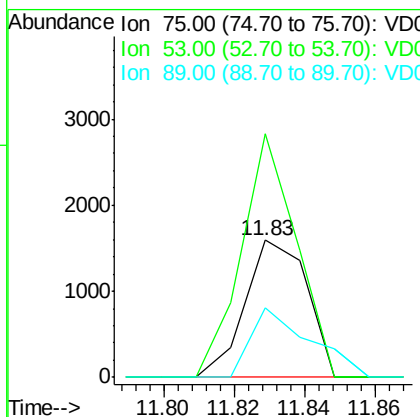
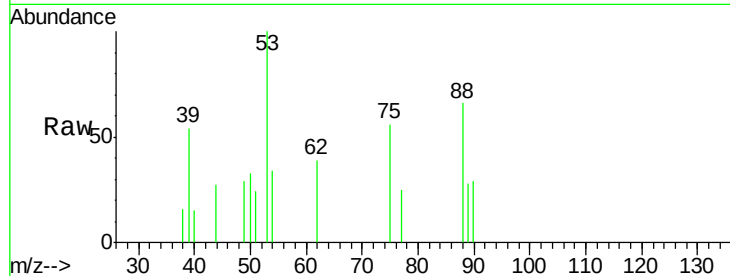
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	75	Resp:	1949
Ion	Ratio	Lower	Upper
75	100		
53	177.9	92.6	139.0#
89	50.5	31.5	47.3#

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#82

4-Chlorotoluene

Concen: 2.33 ug/l

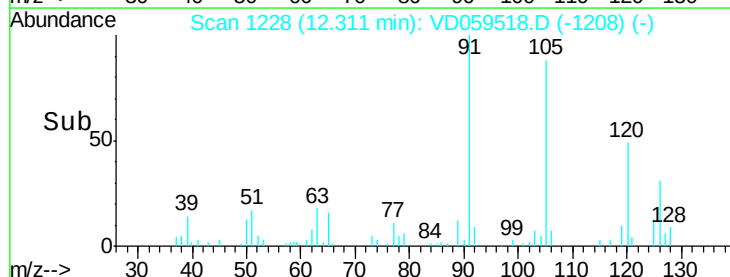
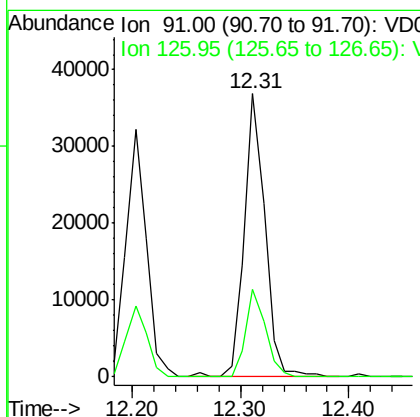
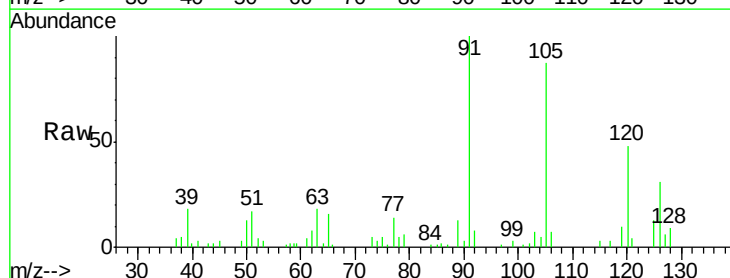
RT: 12.31 min Scan# 1228

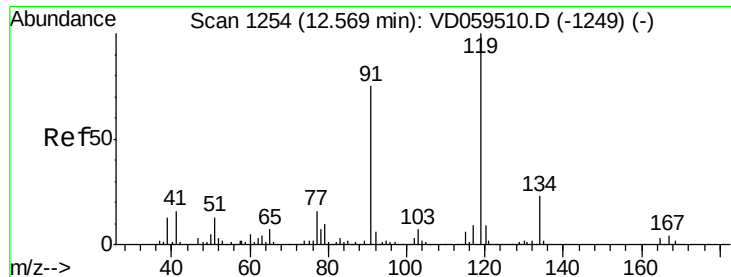
Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion:	91	Resp:	48994
Ion	Ratio	Lower	Upper
91	100		
126	30.8	12.3	36.9





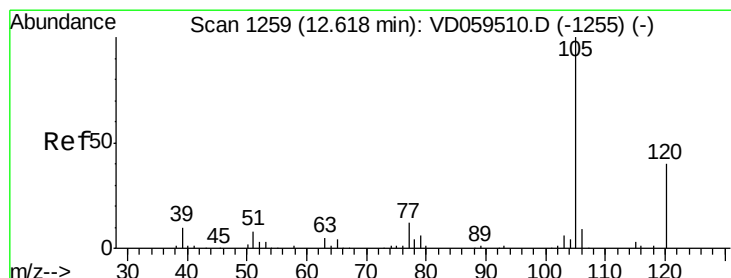
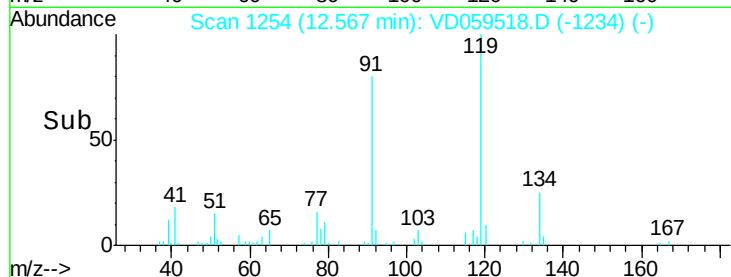
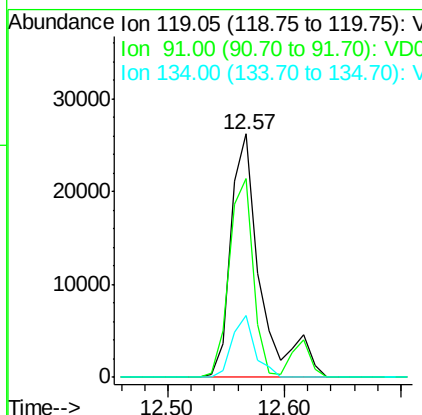
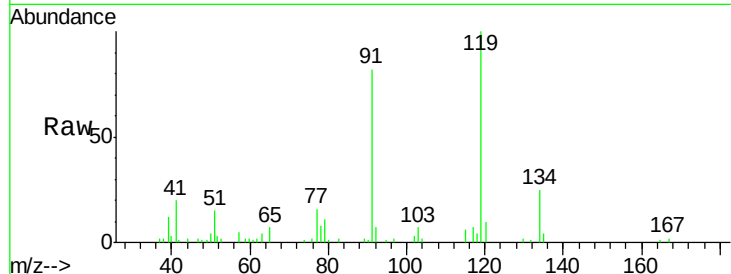
#83
 tert-Butylbenzene
 Concen: 2.13 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	81.8	37.8	113.3
134	25.2	11.5	34.4

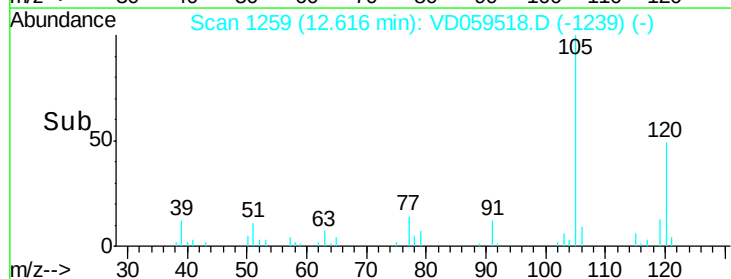
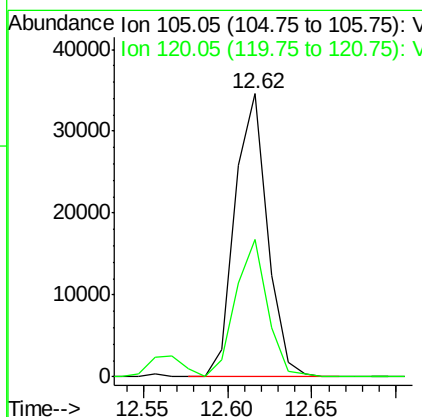
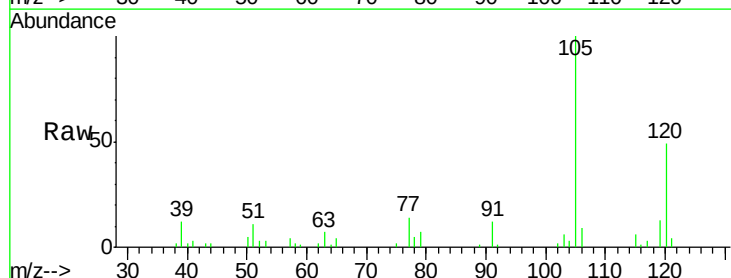
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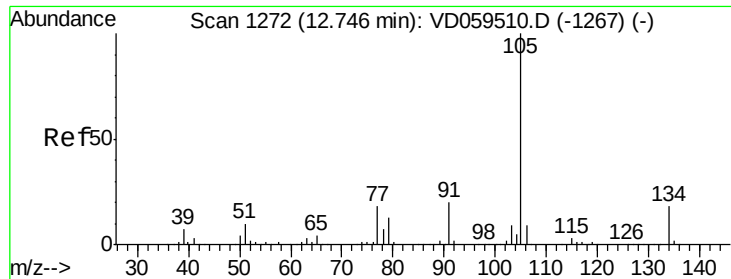
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#84
 1,2,4-Trimethylbenzene
 Concen: 2.25 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.7	21.1	63.3





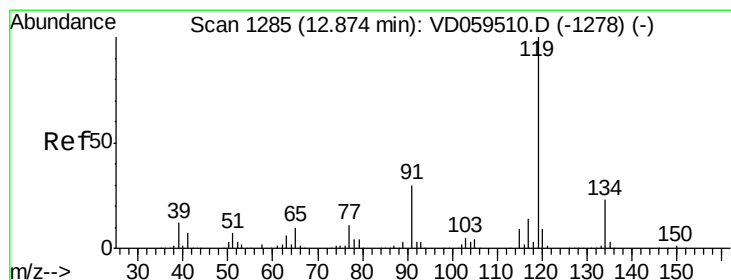
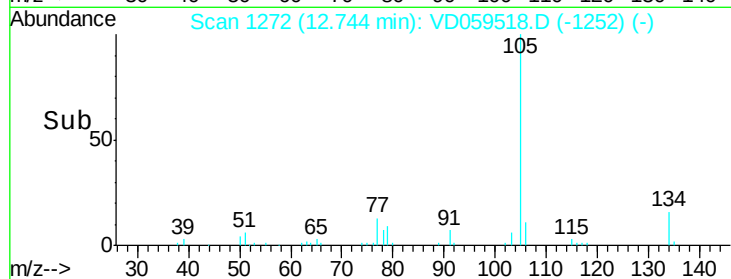
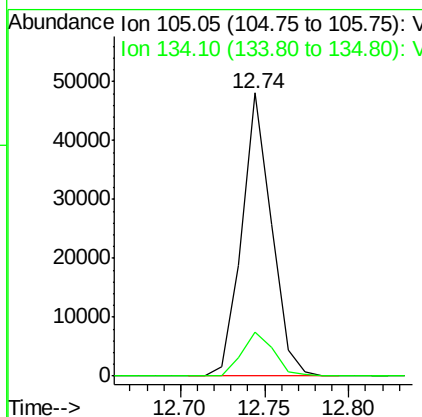
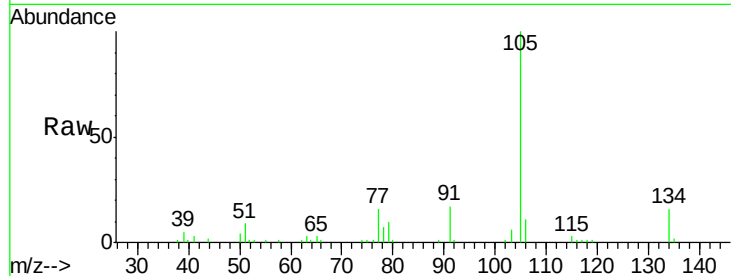
#85
 sec-Butylbenzene
 Concen: 2.35 ug/l
 RT: 12.74 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	15.5	8.8	26.4

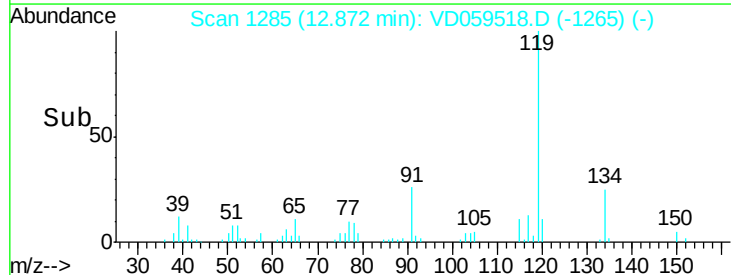
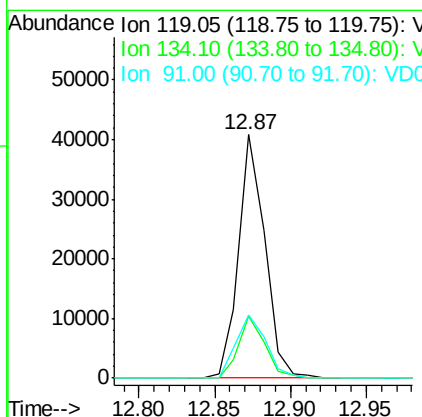
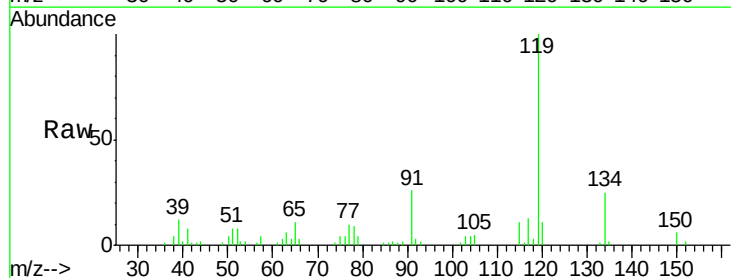
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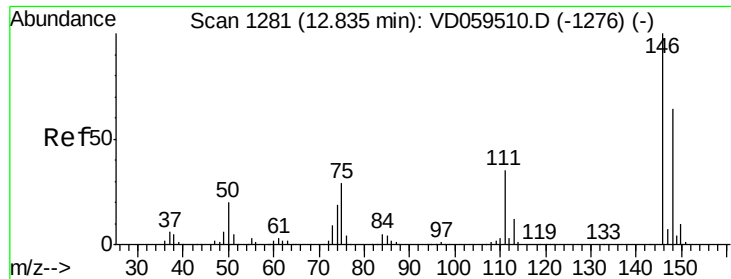
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#86
 p-Isopropyltoluene
 Concen: 2.35 ug/l
 RT: 12.87 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	11.6	34.8
91	26.0	15.3	45.8





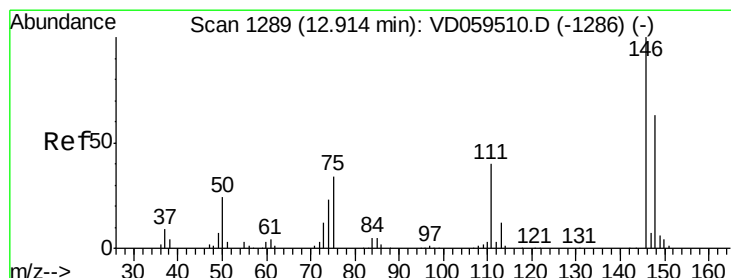
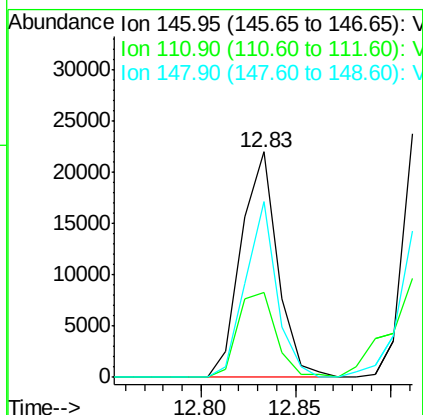
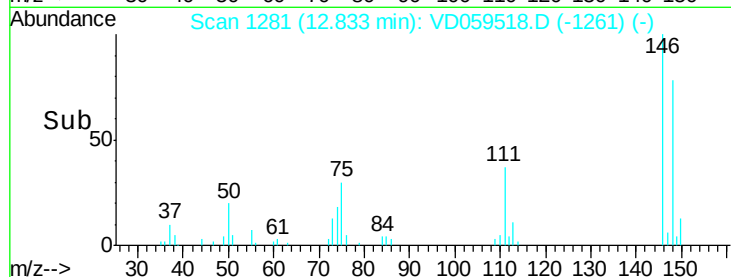
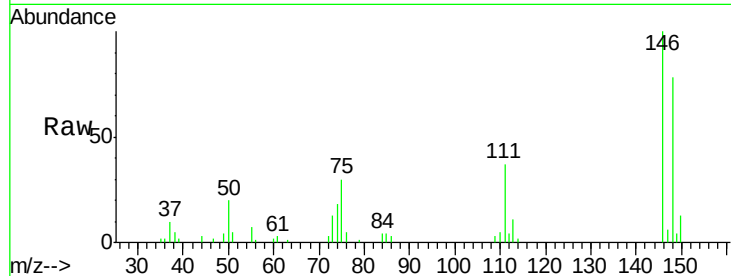
#87
 1,3-Dichlorobenzene
 Concen: 2.32 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	17.6	52.9
148	78.0	32.0	96.2

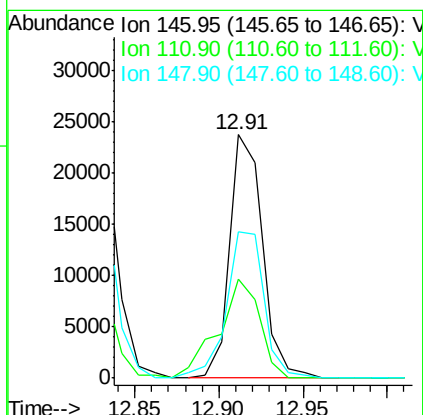
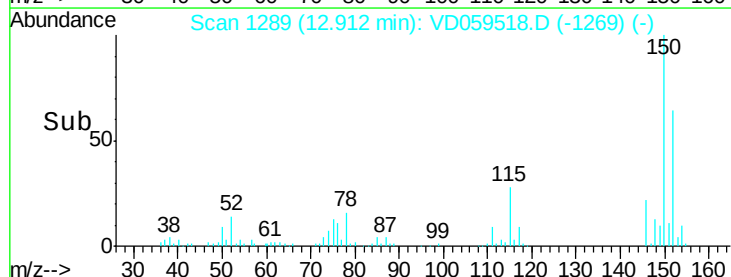
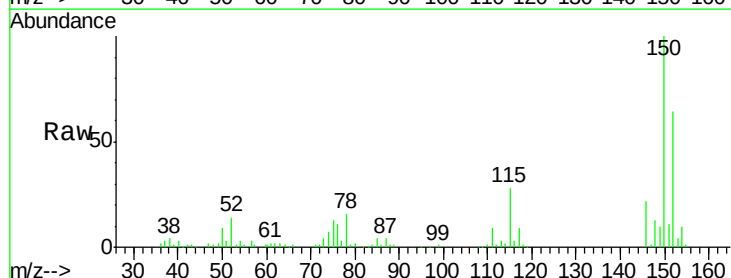
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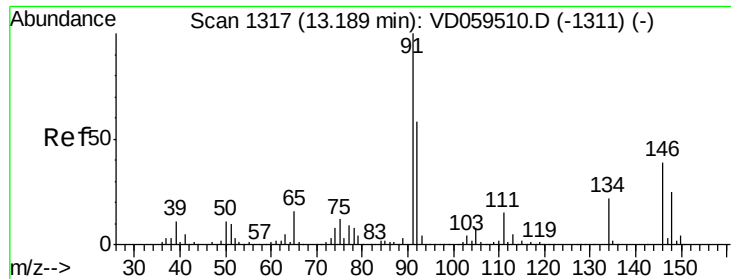
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#88
 1,4-Dichlorobenzene
 Concen: 2.59 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	60.0	31.7	95.1





#89

n-Butylbenzene

Concen: 2.45 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

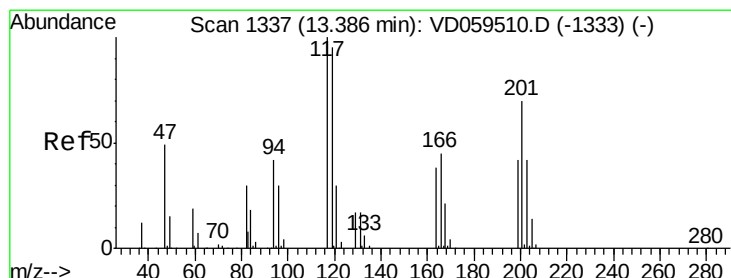
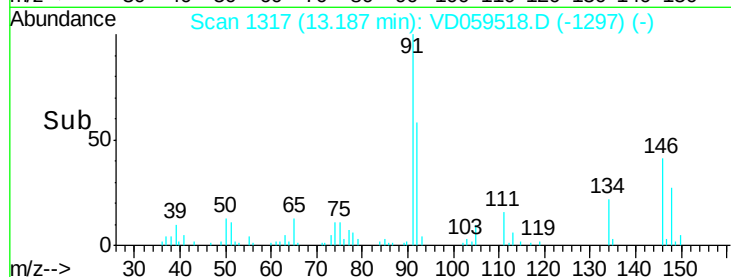
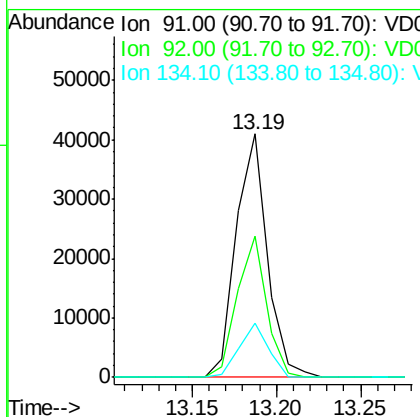
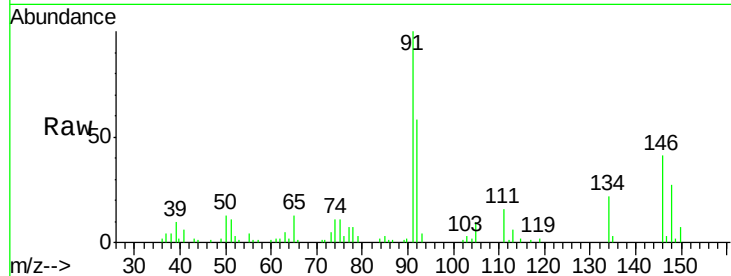
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	91	Resp:	52279
Ion Ratio	Lower	Upper	
91	100		
92	57.9	28.9	86.7
134	22.2	11.3	33.8

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#90

Hexachloroethane

Concen: 1.79 ug/l

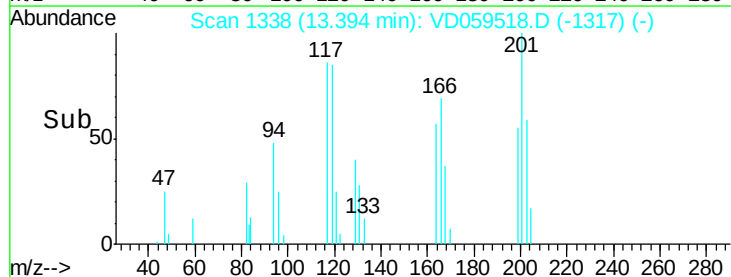
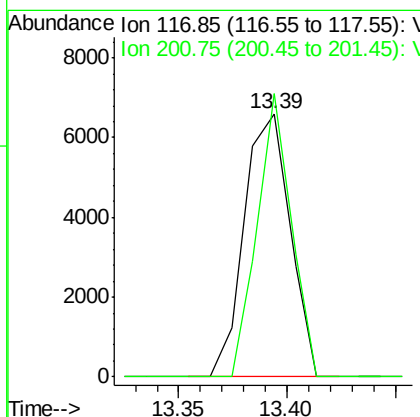
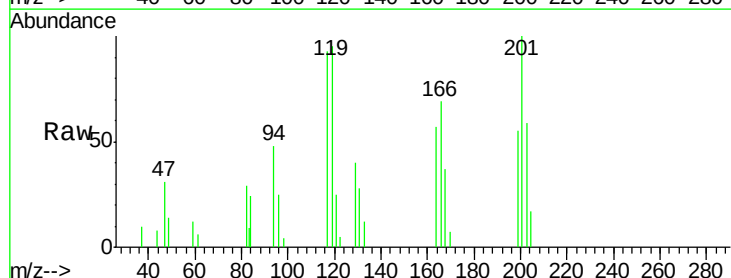
RT: 13.39 min Scan# 1338

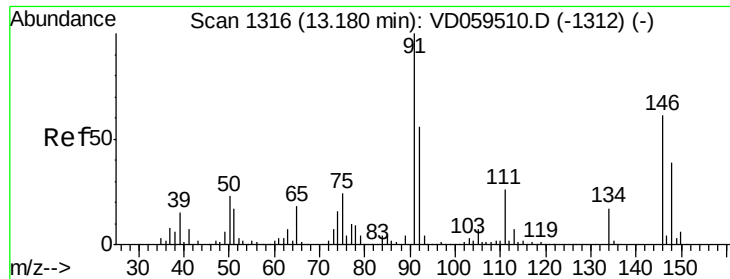
Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion:	117	Resp:	9697
Ion Ratio	Lower	Upper	
117	100		
201	107.5	35.2	105.6#





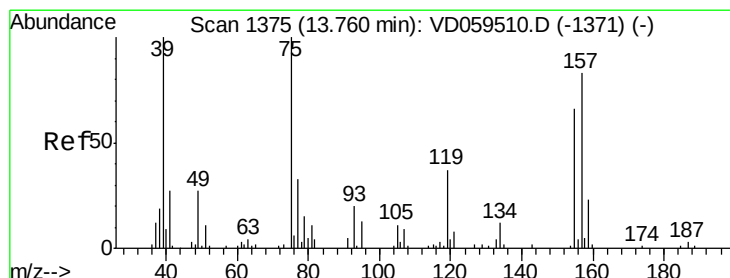
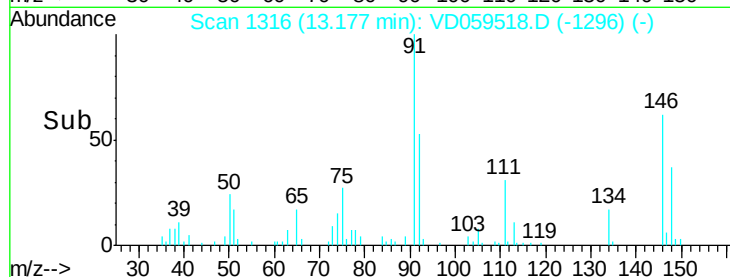
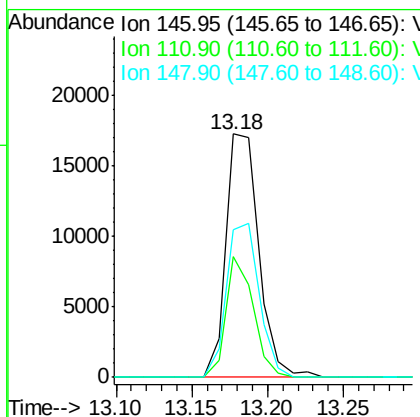
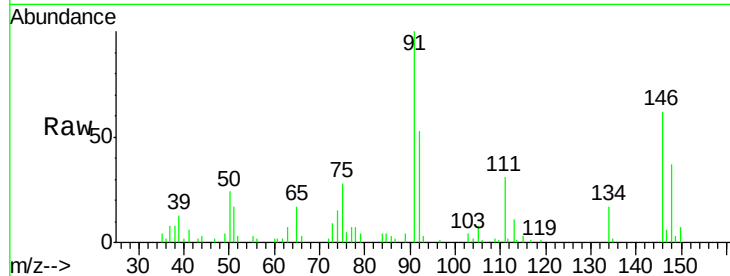
#91
 1,2-Dichlorobenzene
 Concen: 2.45 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.6	21.3	63.9
148	60.6	32.4	97.0

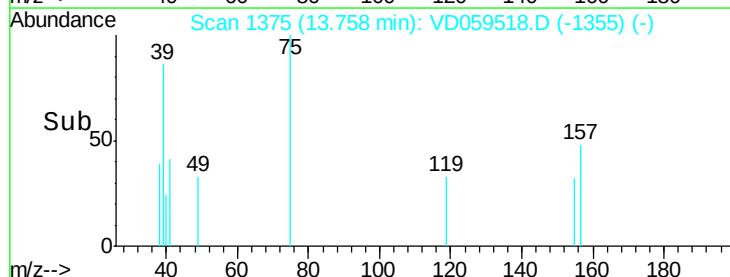
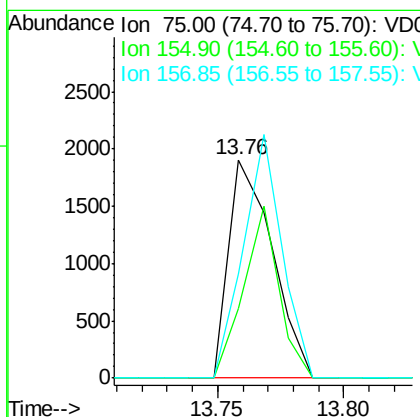
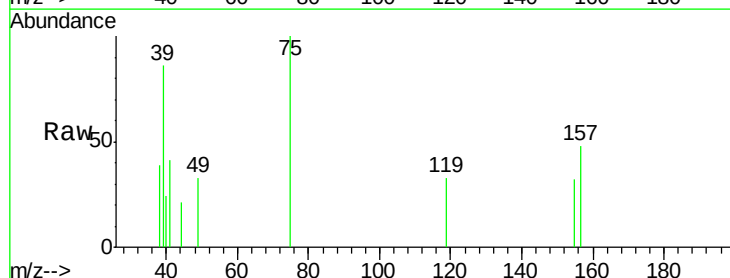
Manual Integrations
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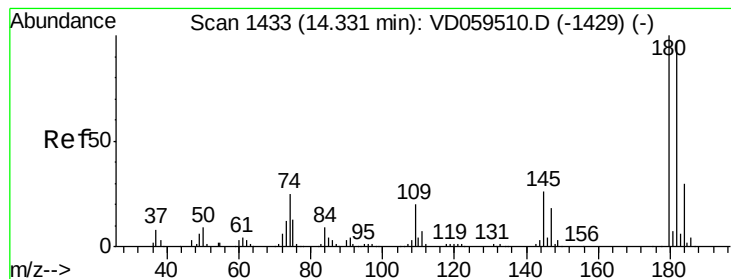
apatel
 7/3/2018 10:28:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.18 ug/l
 RT: 13.76 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VD059518.D
 Acq: 2 Jul 2018 23:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	31.7	32.8	98.4#
157	47.8	41.5	124.5





#93

1,2,4-Trichlorobenzene

Concen: 2.35 ug/l

RT: 14.33 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:180 Resp: 22096

Ion Ratio Lower Upper

180 100

182 87.1 48.7 146.1

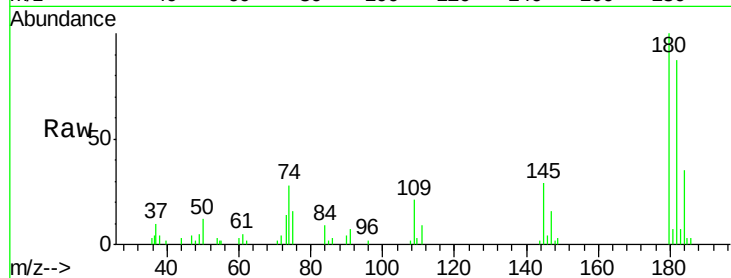
145 29.3 13.2 39.6

Manual Integrations

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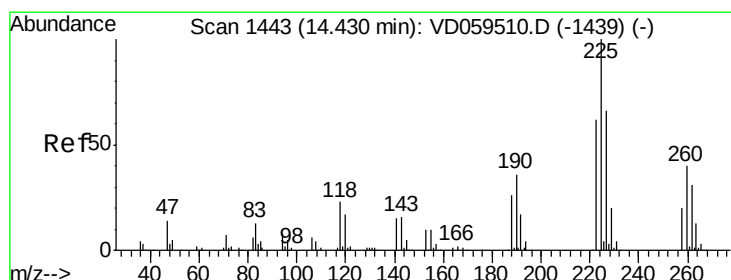
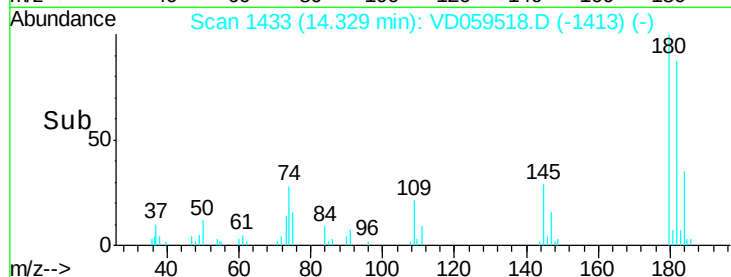
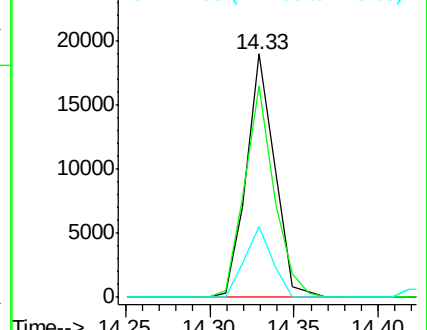
7/3/2018 10:28:15 AM



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94

Hexachlorobutadiene

Concen: 2.17 ug/l

RT: 14.43 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

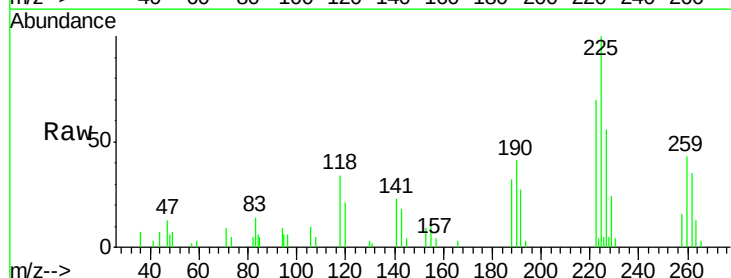
Tgt Ion:225 Resp: 15636

Ion Ratio Lower Upper

225 100

223 69.8 31.0 93.0

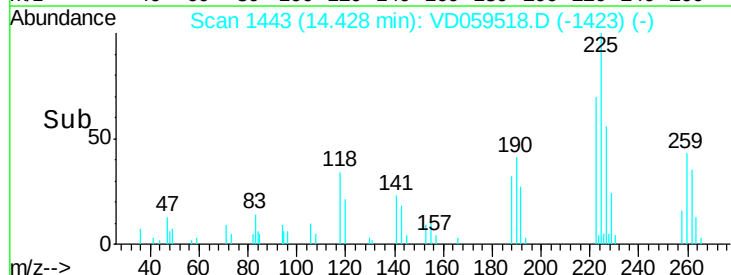
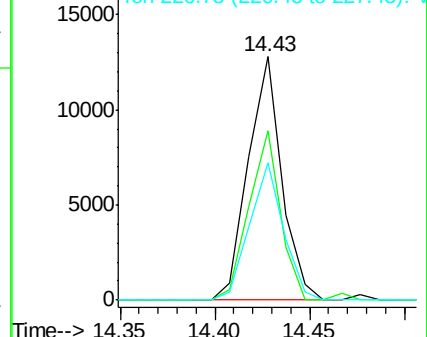
227 56.3 33.1 99.5

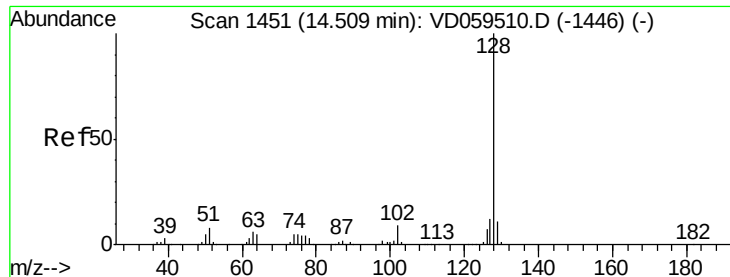


Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 2.37 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA_D

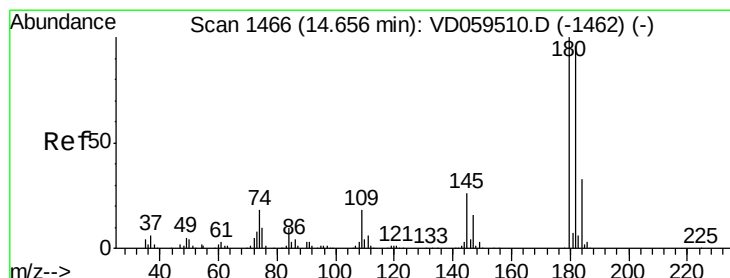
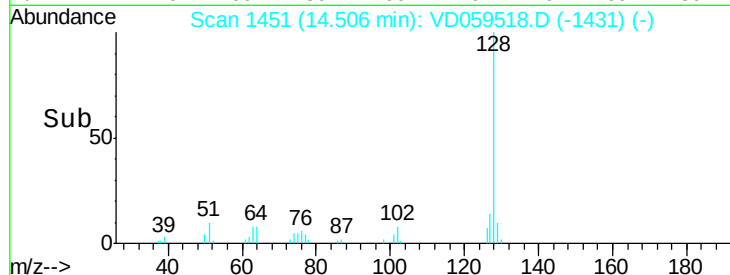
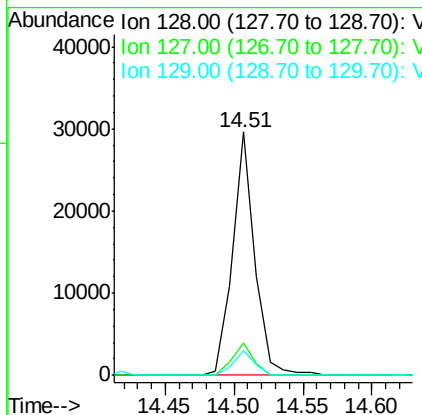
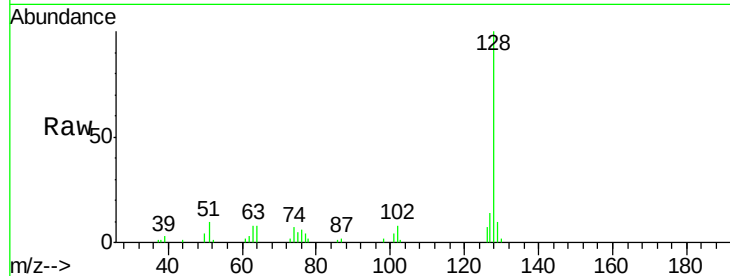
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	128	Resp:	33248
Ion Ratio	Lower	Upper	
128	100		
127	13.5	9.8	14.8
129	10.0	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 2.42 ug/l

RT: 14.65 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion:	180	Resp:	20061
Ion Ratio	Lower	Upper	
180	100		
182	91.7	48.1	144.4
145	25.1	13.2	39.6

