

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
 Data File : VD062090.D
 Acq On : 30 Apr 2019 16:33
 Operator : FY/SY
 Sample : K2241-01
 Misc : 5.01µm/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 7:23:33 AM

Quant Time: May 01 08:37:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 08:28:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	607929	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	953089	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	793664	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	377663	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.42	65	252307	53.03	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	106.06%	
35) Dibromofluoromethane	6.90	113	367884	55.81	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	111.62%	
50) Toluene-d8	10.39	98	792345	50.52	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	13.55	95	309218	49.15	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	15645	2.882	ug/l	94
3) Chloromethane	1.73	50	11607	2.516	ug/l #	88
4) Vinyl Chloride	1.83	62	10436	2.496	ug/l #	87
5) Bromomethane	2.14	94	6281	5.274	ug/l #	83
6) Chloroethane	2.25	64	4066	2.690	ug/l	100
7) Trichlorofluoromethane	2.52	101	15337	2.426	ug/l	93
8) Diethyl Ether	2.85	74	3458	2.041	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.13	101	14413	2.475	ug/l	98
10) Methyl Iodide	3.29	142	13044	1.793	ug/l	95
11) Tert butyl alcohol	4.02	59	2714	10.096	ug/l #	76
12) 1,1-Dichloroethene	3.11	96	11973	2.416	ug/l	91
13) Acrolein	3.01	56	3183	11.412	ug/l	89
14) Allyl chloride	3.59	41	15849	2.342	ug/l	88
15) Acrylonitrile	4.17	53	9225	11.082	ug/l	91
16) Acetone	3.19	43	13417	11.810	ug/l	91
17) Carbon Disulfide	3.36	76	36725	2.565	ug/l	98
18) Methyl Acetate	3.62	43	6914	3.025	ug/l #	81
19) Methyl tert-butyl Ether	4.21	73	21723	2.209	ug/l #	84
20) Methylene Chloride	3.79	84	29573	4.696	ug/l	94
21) trans-1,2-Dichloroethene	4.19	96	12831	2.257	ug/l	94
22) Diisopropyl ether	5.08	45	37761	2.390	ug/l	97
23) Vinyl Acetate	5.02	43	88328	10.736	ug/l	97
24) 1,1-Dichloroethane	4.94	63	22075	2.312	ug/l #	85
25) 2-Butanone	6.03	43	16168	11.738	ug/l	100
26) 2,2-Dichloropropane	5.99	77	20075	2.410	ug/l	98
27) cis-1,2-Dichloroethene	6.00	96	15792	2.442	ug/l	95
28) Bromochloromethane	6.40	49	9648	2.641	ug/l	87
29) Tetrahydrofuran	6.43	42	9041	13.321	ug/l	93
30) Chloroform	6.63	83	27185	2.507	ug/l	87
31) Cyclohexane	6.92	56	17740	2.503	ug/l	92
32) 1,1,1-Trichloroethane	6.84	97	24735	2.621	ug/l	98
36) 1,1-Dichloropropene	7.12	75	21584	2.907	ug/l	96
37) Ethyl Acetate	6.14	43	8147	2.575	ug/l #	82
38) Carbon Tetrachloride	7.08	117	23193	2.465	ug/l #	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	19635	2.680	ug/l #	88
40) Benzene	7.42	78	47726	2.596	ug/l	98
41) Methacrylonitrile	6.41	41	9332	2.528	ug/l #	85
42) 1,2-Dichloroethane	7.55	62	14464	2.317	ug/l	97
43) Isopropyl Acetate	9.21	43	11058	2.392	ug/l	92
44) Trichloroethene	8.51	130	19027	2.670	ug/l	93
45) 1,2-Dichloropropane	8.91	63	11312	2.426	ug/l	94
46) Dibromomethane	9.04	93	8572	2.554	ug/l #	81
47) Bromodichloromethane	9.35	83	17107	2.157	ug/l #	96
48) Methyl methacrylate	9.10	41	6743	2.556	ug/l	89
49) 1,4-Dioxane	9.06	88	1168	41.068	ug/l #	31
51) 4-Methyl-2-Pentanone	10.28	43	37257	13.176	ug/l	90
52) Toluene	10.48	92	31396	2.679	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	14925	2.242	ug/l	94
54) cis-1,3-Dichloropropene	10.01	75	20614	2.547	ug/l #	87
55) 1,1,2-Trichloroethane	11.16	97	9627	2.446	ug/l	94
56) Ethyl methacrylate	11.02	69	10547	2.420	ug/l	98
57) 1,3-Dichloropropane	11.39	76	15203	2.501	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.83	63	28296	13.964	ug/l #	74
59) 2-Hexanone	11.52	43	26987	12.723	ug/l	97
60) Dibromochloromethane	11.66	129	15571	2.391	ug/l	94
61) 1,2-Dibromoethane	11.79	107	12366	2.649	ug/l #	80
64) Tetrachloroethene	11.23	164	15623	2.759	ug/l	96
65) Chlorobenzene	12.38	112	39960	2.664	ug/l	93
66) 1,1,1,2-Tetrachloroethane	12.50	131	14416	2.266	ug/l	92
67) Ethyl Benzene	12.51	91	60499	2.472	ug/l	99
68) m/p-Xylenes	12.65	106	44992	5.085	ug/l	95
69) o-Xylene	13.03	106	21516	2.658	ug/l	88
70) Styrene	13.06	104	34633	2.478	ug/l	91
71) Bromoform	13.22	173	8401	2.316	ug/l	99
73) Isopropylbenzene	13.39	105	63571	2.523	ug/l	99
74) N-amyl acetate	13.25	43	13774	2.123	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.68	83	10838	2.195	ug/l	92
76) 1,2,3-Trichloropropane	13.72	75	11581	2.415	ug/l	98
77) Bromobenzene	13.65	156	18086	2.503	ug/l	87
78) n-propylbenzene	13.76	91	75333	2.612	ug/l	98
79) 2-Chlorotoluene	13.83	91	38553	2.207	ug/l	93
80) 1,3,5-Trimethylbenzene	13.92	105	54228	2.700	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	2962m	2.038	ug/l	
82) 4-Chlorotoluene	13.94	91	52647	2.737	ug/l	98
83) tert-Butylbenzene	14.18	119	57317	2.463	ug/l	97
84) 1,2,4-Trimethylbenzene	14.22	105	54614	2.847	ug/l	97
85) sec-Butylbenzene	14.35	105	64428	2.562	ug/l	91
86) p-Isopropyltoluene	14.48	119	60135	2.672	ug/l	97
87) 1,3-Dichlorobenzene	14.44	146	30848	2.437	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	30014	2.536	ug/l	93
89) n-Butylbenzene	14.79	91	48611	2.406	ug/l	93
90) Hexachloroethane	14.99	117	13594	2.234	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	24504	2.347	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	1341	2.040	ug/l	67

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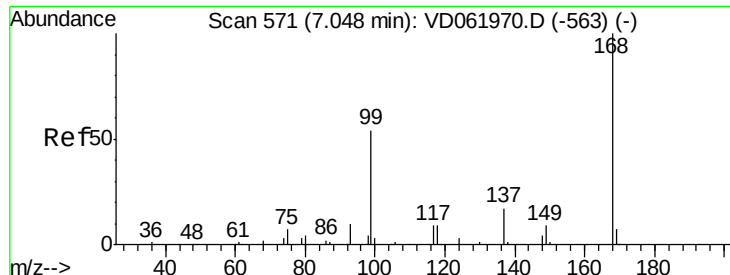
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	15035	2.669	ug/l	90
94) Hexachlorobutadiene	16.03	225	10719	2.571	ug/l	97
95) Naphthalene	16.11	128	27002	2.969	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	9327	2.918	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:168 Resp: 607929

Ion Ratio Lower Upper

168 100

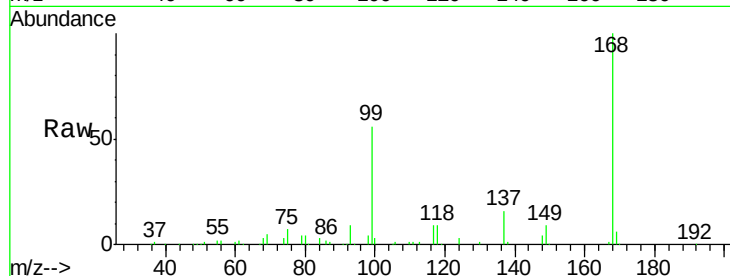
99 56.2 46.5 69.7

Manual Integrations

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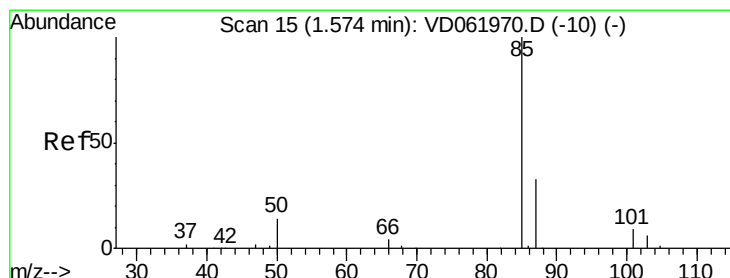
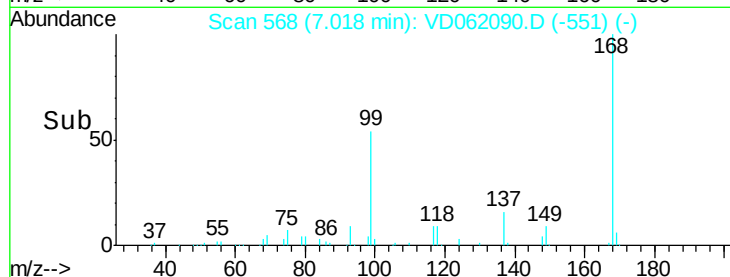
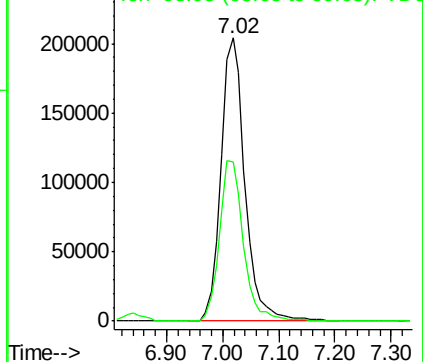
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 2.882 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD062090.D

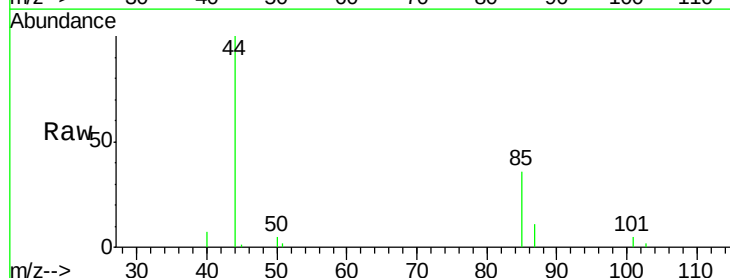
Acq: 30 Apr 2019 16:33

Tgt Ion: 85 Resp: 15645

Ion Ratio Lower Upper

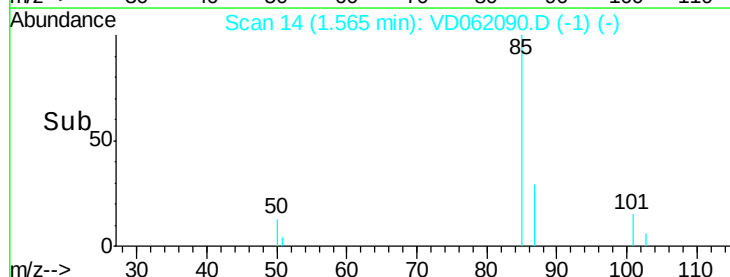
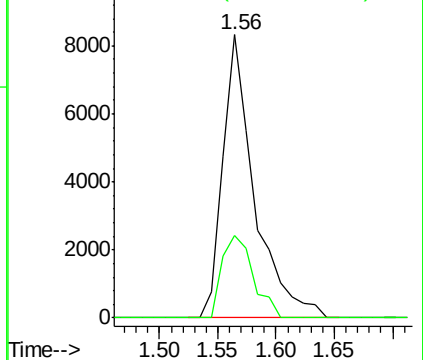
85 100

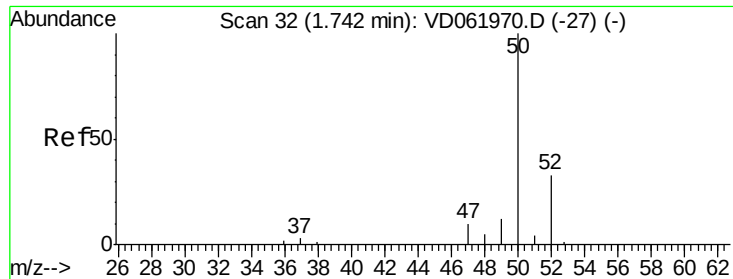
87 29.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





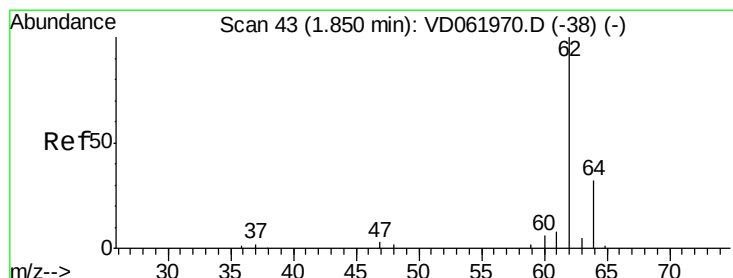
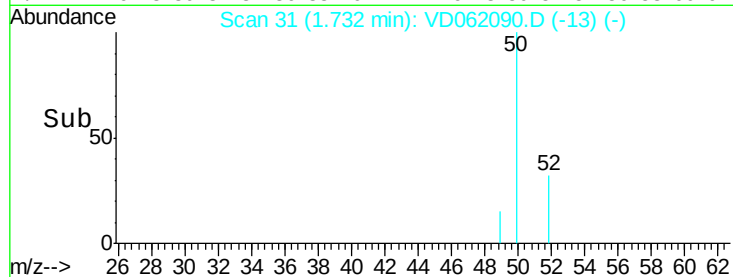
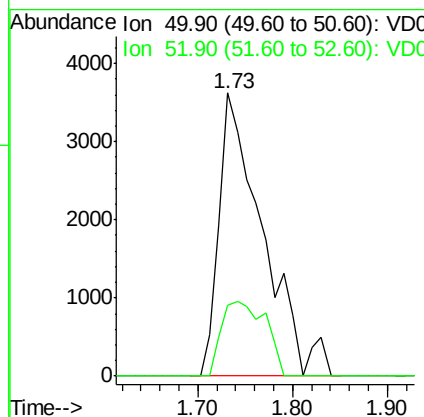
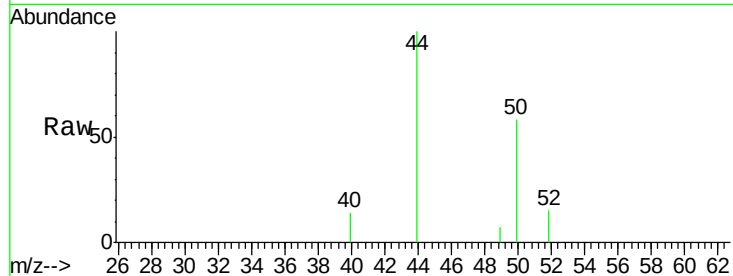
#3
Chloromethane
Concen: 2.516 ug/l
RT: 1.73 min Scan# 31
Delta R.T. -0.02 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

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LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 50 Resp: 11607
Ion Ratio Lower Upper
50 100
52 25.1 25.2 37.8#

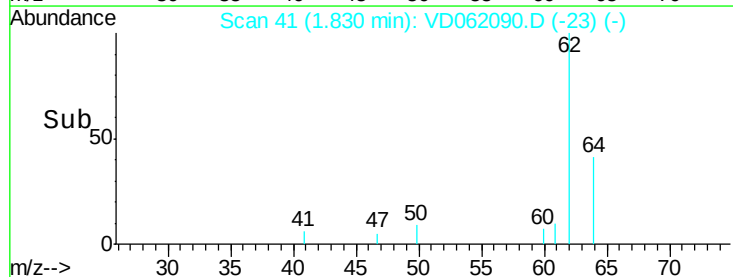
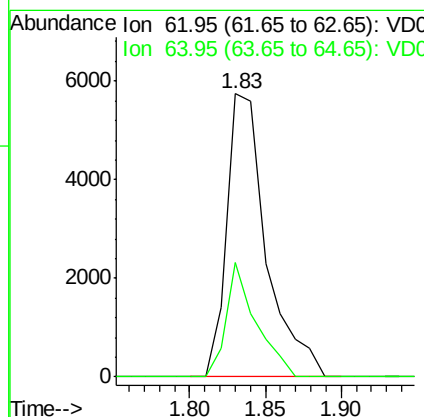
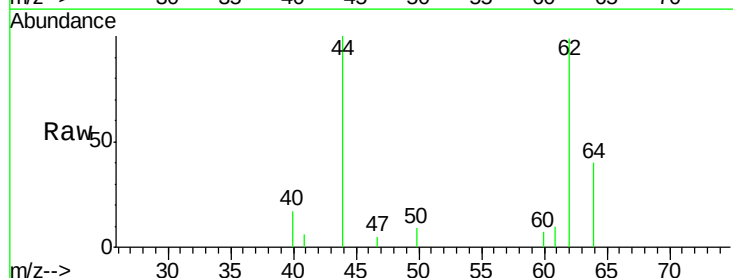
Manual Integrations
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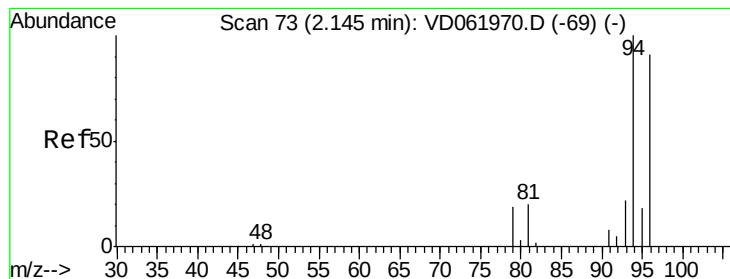
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#4
Vinyl Chloride
Concen: 2.496 ug/l
RT: 1.83 min Scan# 41
Delta R.T. -0.02 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion: 62 Resp: 10436
Ion Ratio Lower Upper
62 100
64 40.6 26.5 39.7#





#5

Bromomethane

Concen: 5.274 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

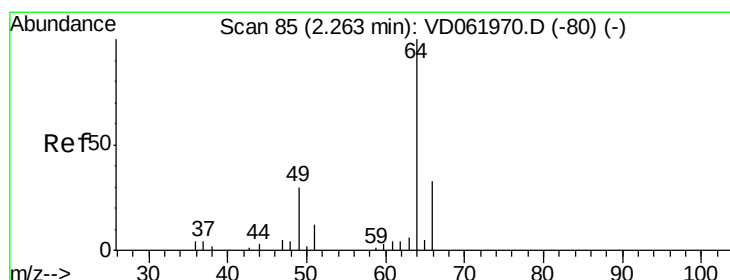
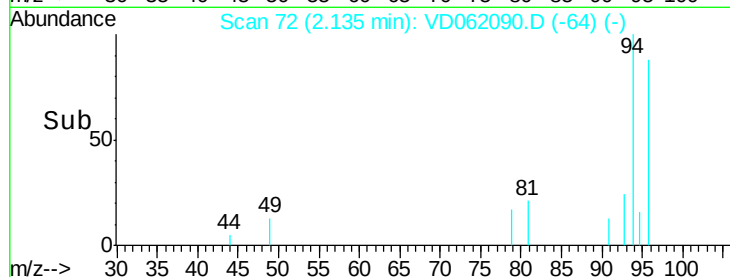
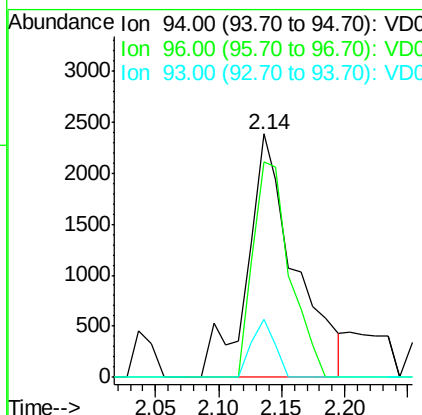
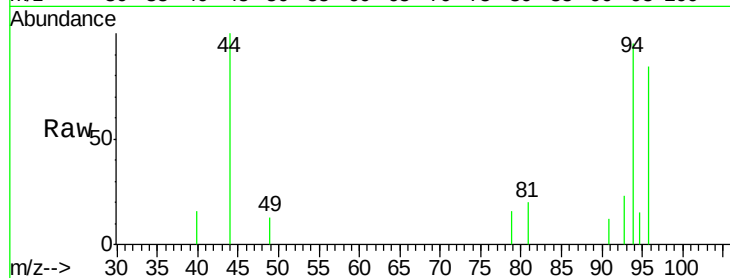
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	94	Resp:	6281
Ion	Ratio	Lower	Upper
94	100		
96	76.5	76.6	115.0#
93	20.7	18.5	27.7

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#6

Chloroethane

Concen: 2.690 ug/l

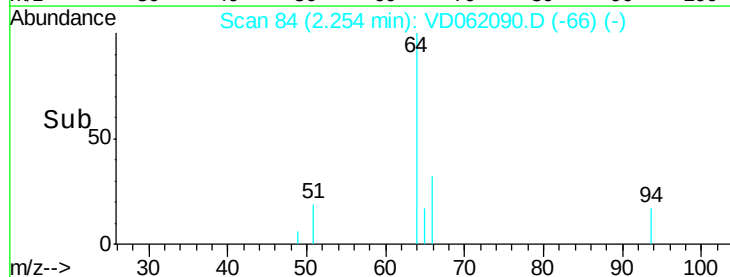
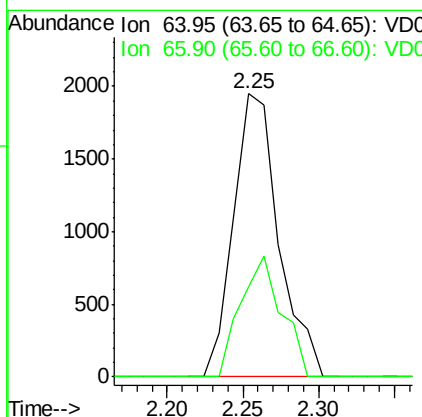
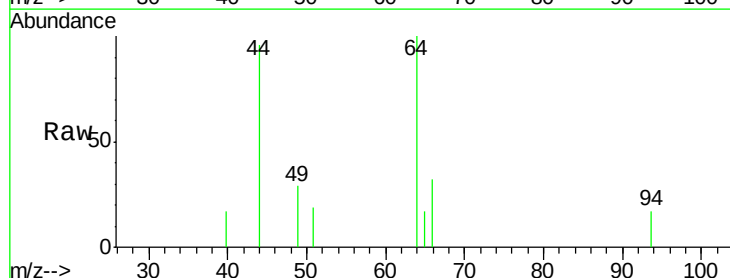
RT: 2.25 min Scan# 84

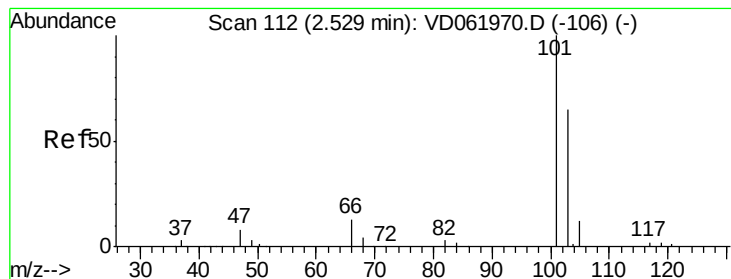
Delta R.T. -0.02 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Tgt Ion:	64	Resp:	4066
Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.6	38.4





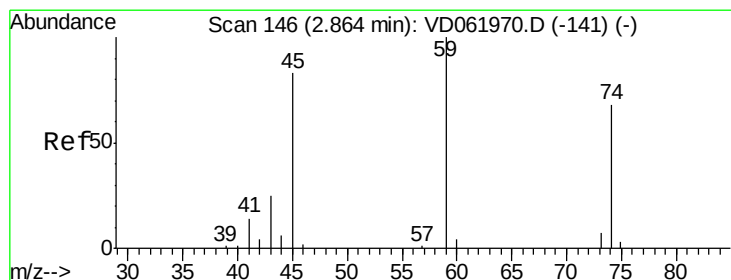
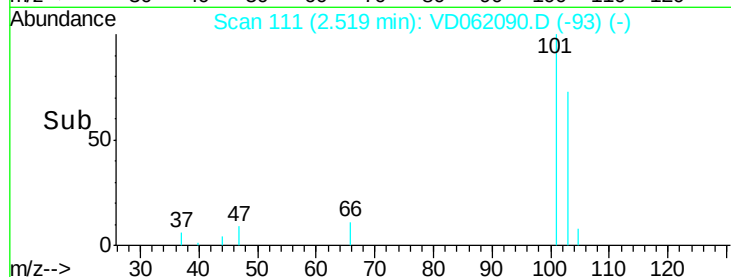
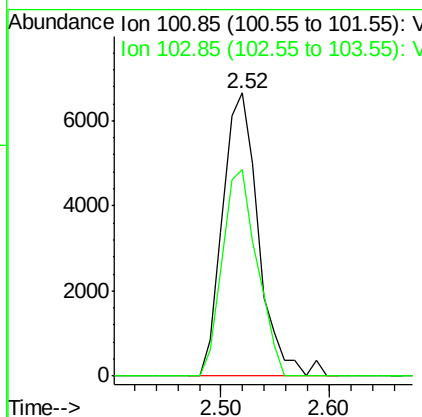
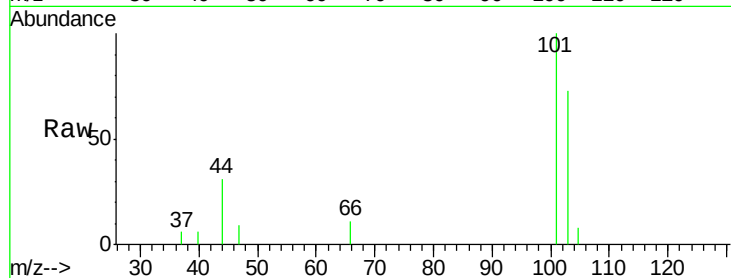
#7
 Trichlorofluoromethane
 Concen: 2.426 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Instrument :
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 LOD-MDL-SOIL-01-QT2-2019

Tot Ion:101 Resp: 15337
 Ion Ratio Lower Upper
 101 100
 103 72.9 53.6 80.4

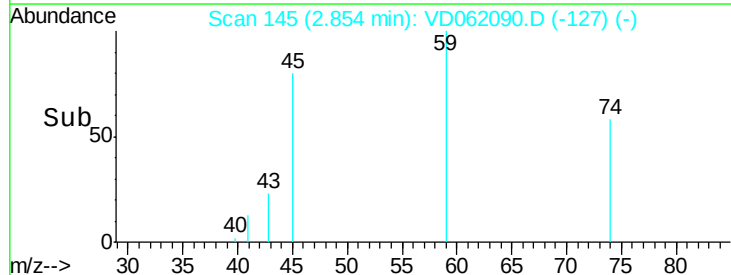
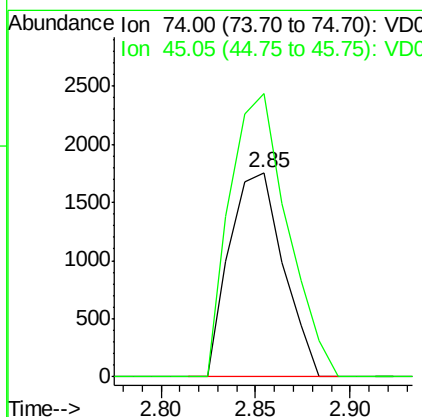
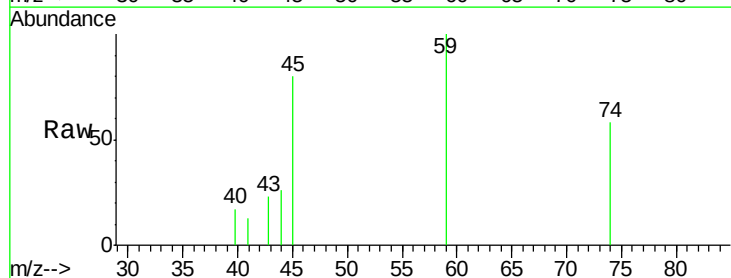
Manual Integrations
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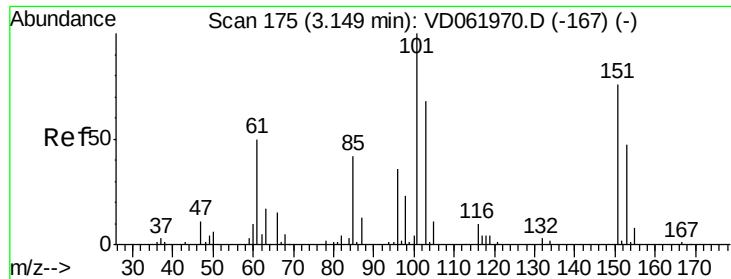
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#8
 Diethyl Ether
 Concen: 2.041 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. -0.02 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Tgt Ion: 74 Resp: 3458
 Ion Ratio Lower Upper
 74 100
 45 138.5 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.475 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

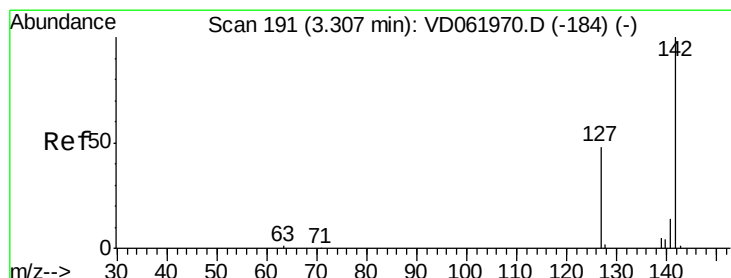
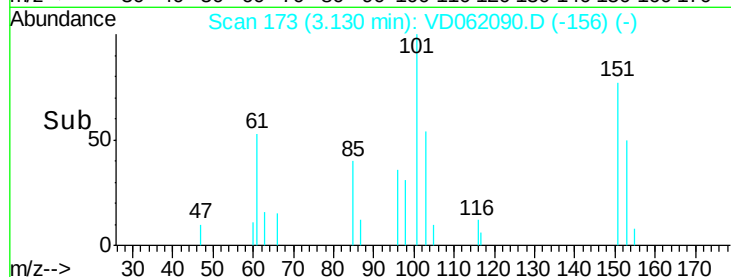
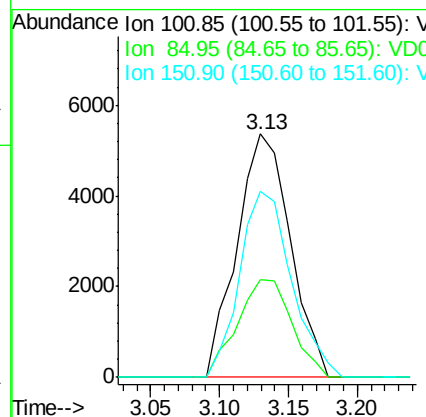
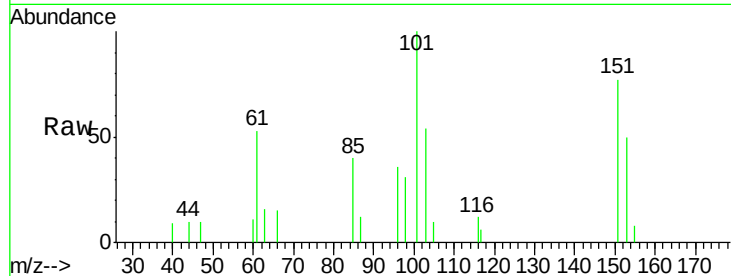
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	101	Resp:	14413
Ion Ratio	Lower	Upper	
101	100		
85	40.0	32.4	48.6
151	76.6	59.4	89.0

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#10

Methyl Iodide

Concen: 1.793 ug/l

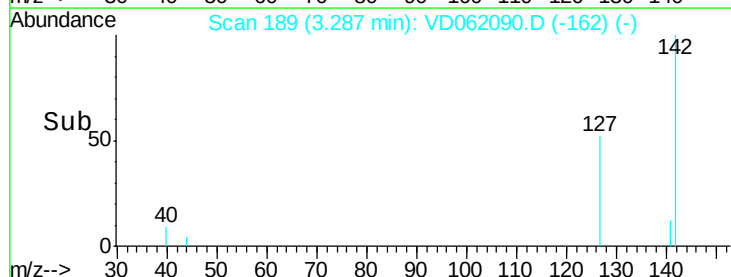
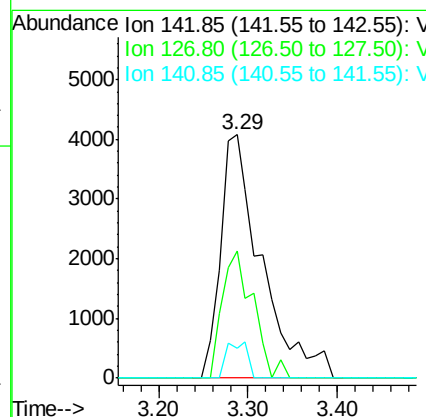
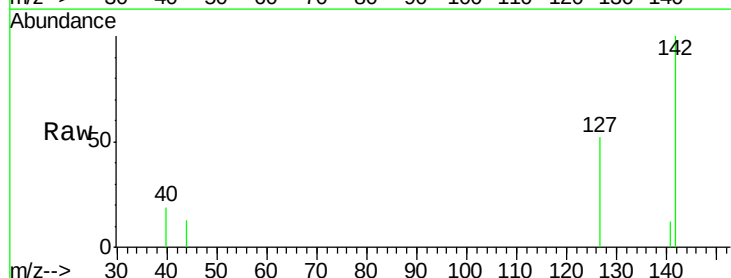
RT: 3.29 min Scan# 189

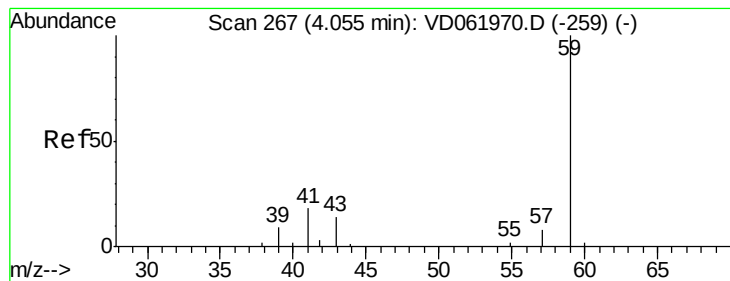
Delta R.T. -0.03 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Tgt Ion:	142	Resp:	13044
Ion Ratio	Lower	Upper	
142	100		
127	52.1	38.8	58.2
141	12.3	11.4	17.0





#11

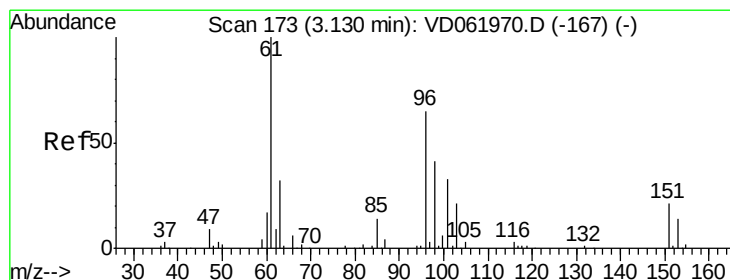
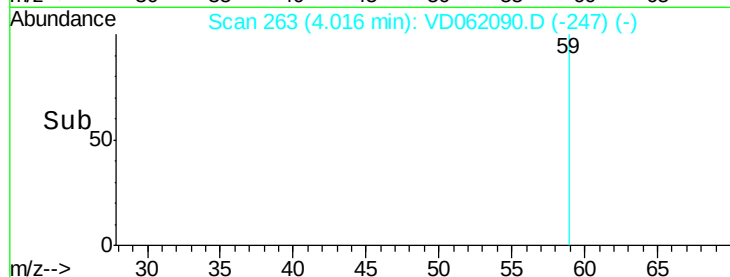
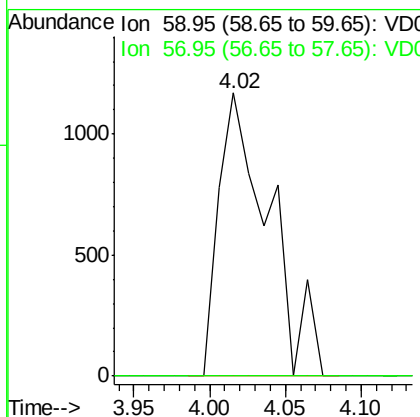
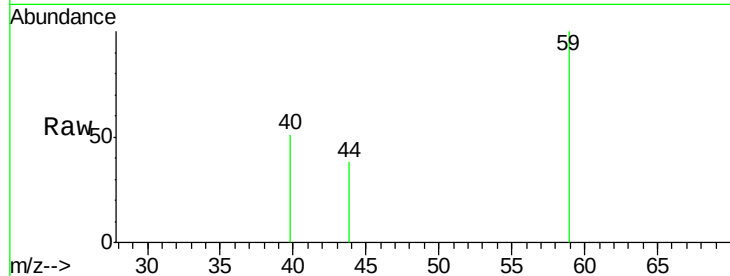
Tert butyl alcohol
 Concen: 10.096 ug/l
 RT: 4.02 min Scan# 263
 Delta R.T. -0.04 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 59 Resp: 2714
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

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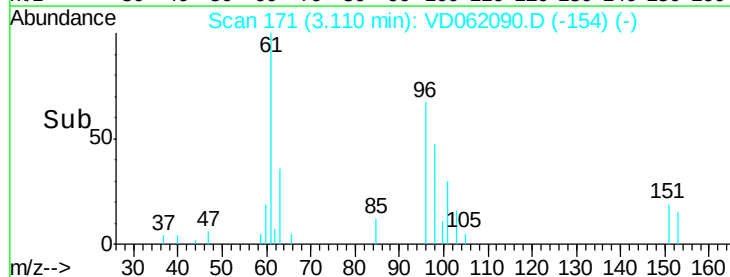
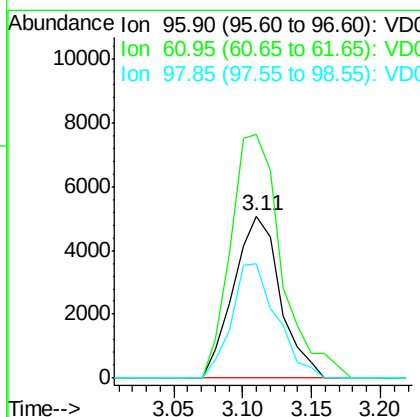
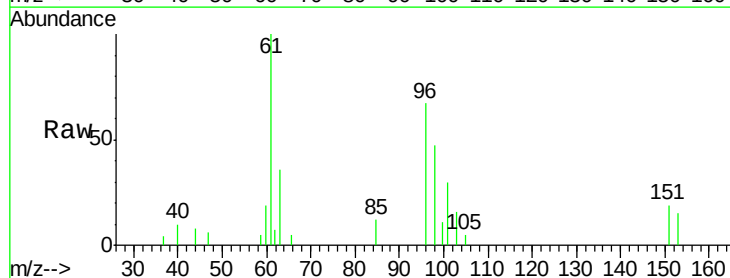
MMDadoda
 5/2/2019 7:23:33 AM

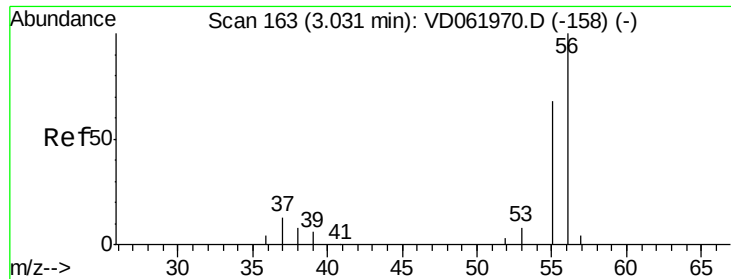


#12

1,1-Dichloroethene
 Concen: 2.416 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.03 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Tgt Ion: 96 Resp: 11973
 Ion Ratio Lower Upper
 96 100
 61 150.2 129.8 194.8
 98 70.8 51.2 76.8





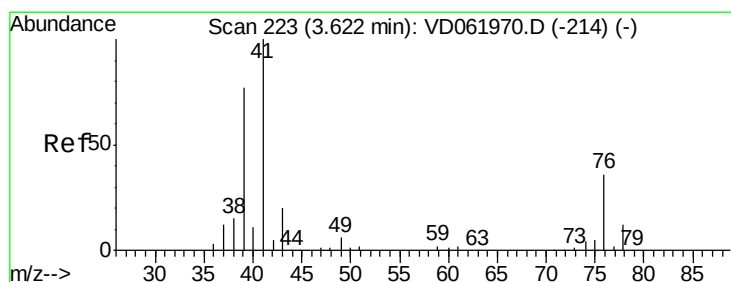
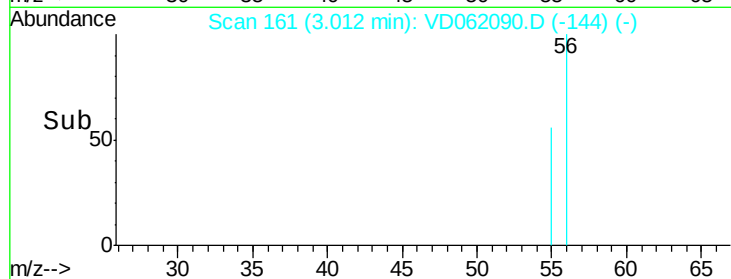
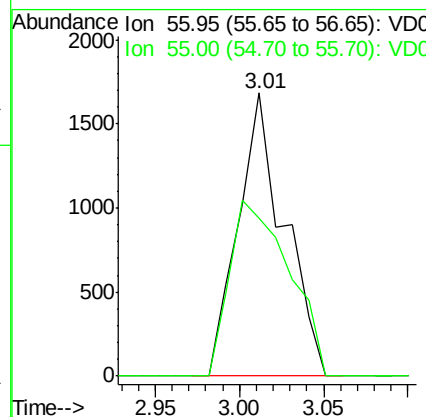
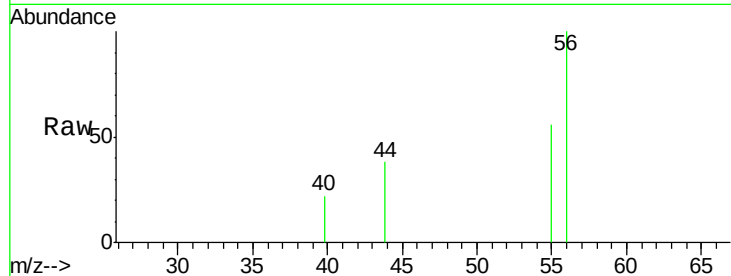
#13
 Acrolein
 Concen: 11.412 ug/l
 RT: 3.01 min Scan# 161
 Delta R.T. -0.03 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 56 Resp: 3183
 Ion Ratio Lower Upper
 56 100
 55 56.0 51.4 77.2

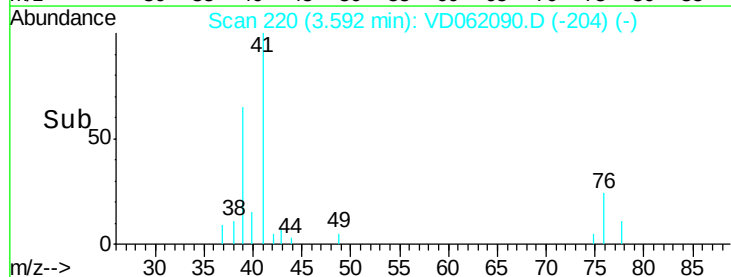
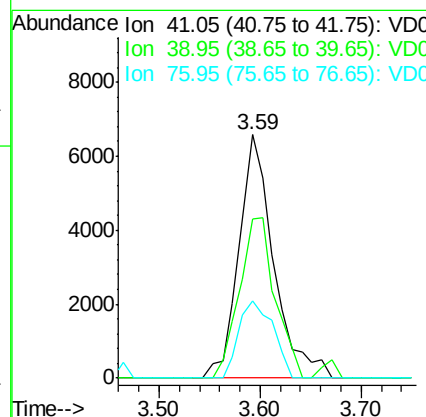
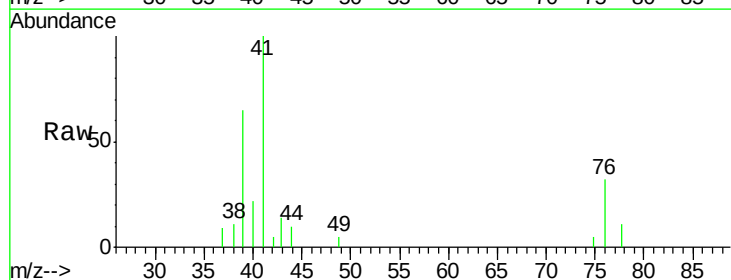
Manual Integrations
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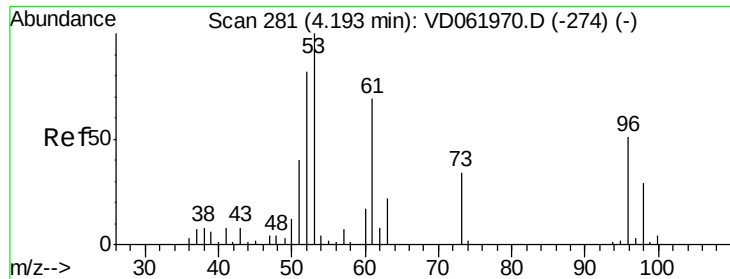
MMDadoda
 5/2/2019 7:23:33 AM



#14
 Allyl chloride
 Concen: 2.342 ug/l
 RT: 3.59 min Scan# 220
 Delta R.T. -0.04 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Tgt Ion: 41 Resp: 15849
 Ion Ratio Lower Upper
 41 100
 39 65.4 60.5 90.7
 76 31.8 31.8 47.8





#15

Acrylonitrile

Concen: 11.082 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

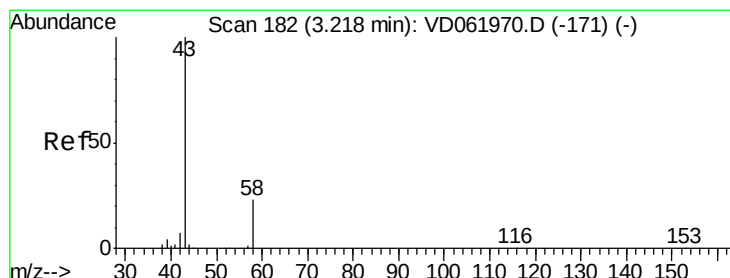
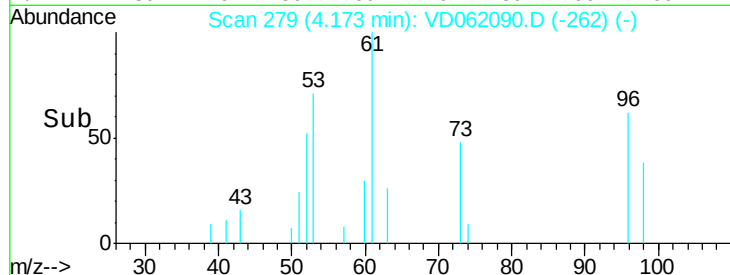
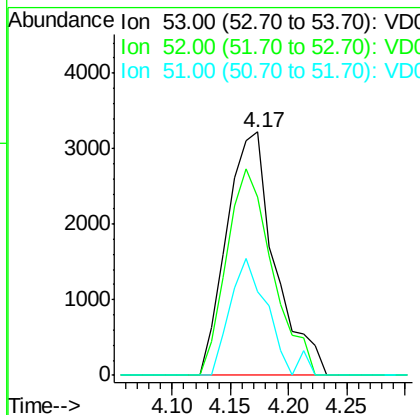
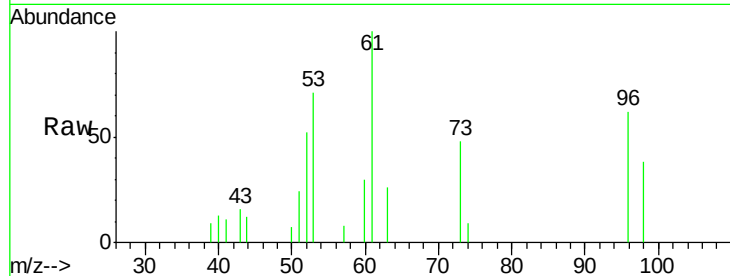
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	53	Resp:	9225
Ion	Ratio	Lower	Upper
53	100		
52	73.2	65.0	97.4
51	34.2	32.6	48.8

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5/2/2019 7:23:33 AM



#16

Acetone

Concen: 11.810 ug/l

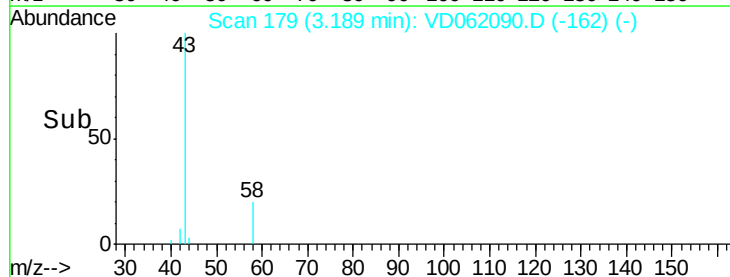
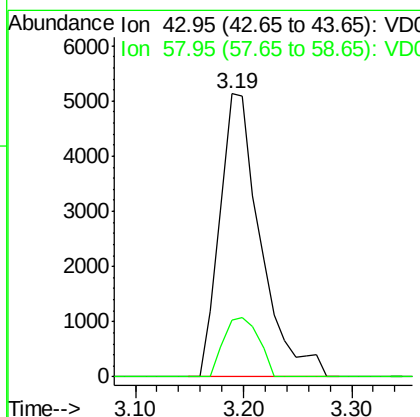
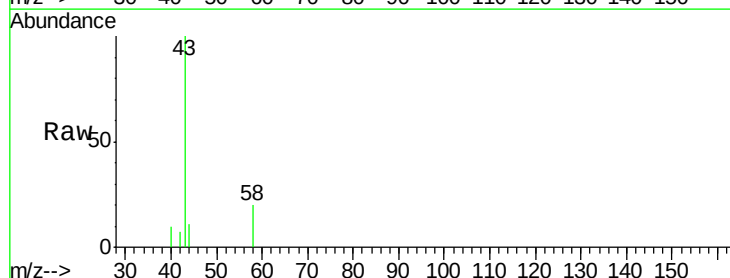
RT: 3.19 min Scan# 179

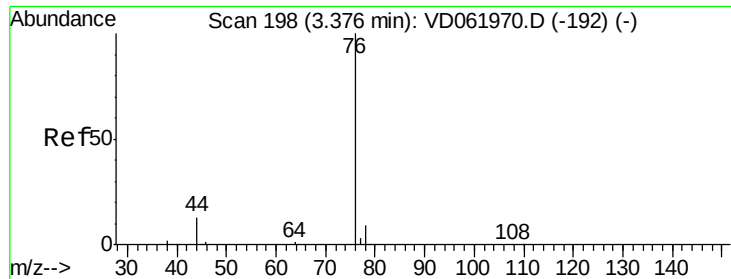
Delta R.T. -0.03 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Tgt Ion:	43	Resp:	13417
Ion	Ratio	Lower	Upper
43	100		
58	20.2	19.9	29.9





#17

Carbon Disulfide

Concen: 2.565 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.03 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 76 Resp: 36725

Ion Ratio Lower Upper

76 100

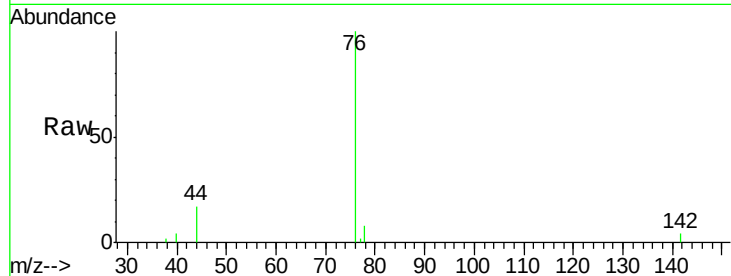
78 8.1 7.2 10.8

Manual Integrations

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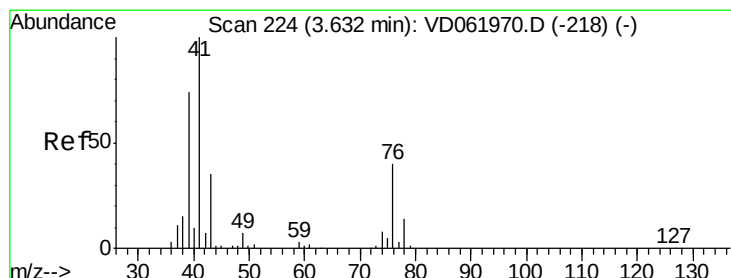
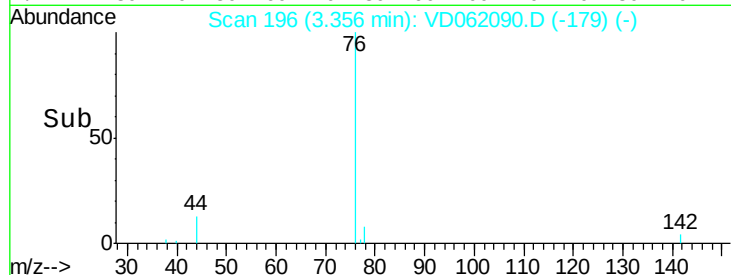
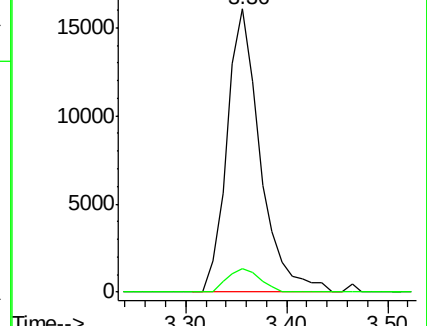
MMDadoda

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 3.025 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD062090.D

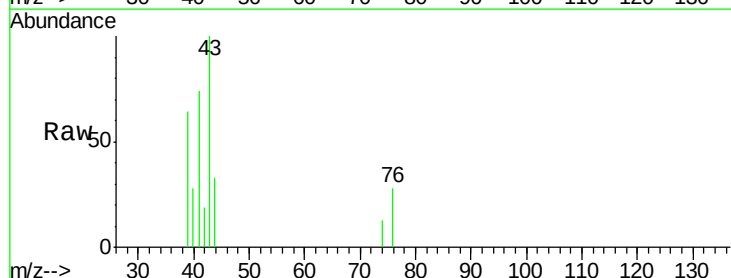
Acq: 30 Apr 2019 16:33

Tgt Ion: 43 Resp: 6914

Ion Ratio Lower Upper

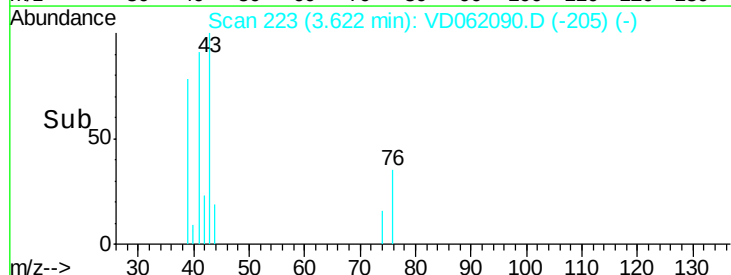
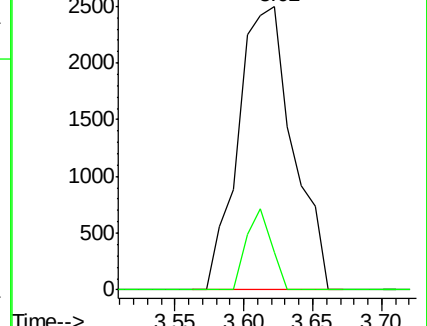
43 100

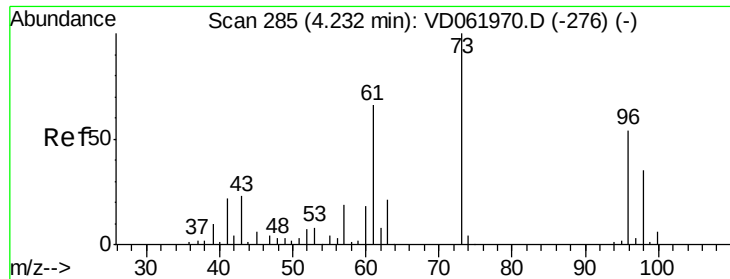
74 13.5 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





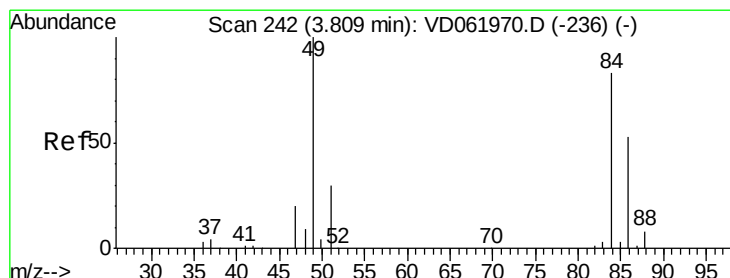
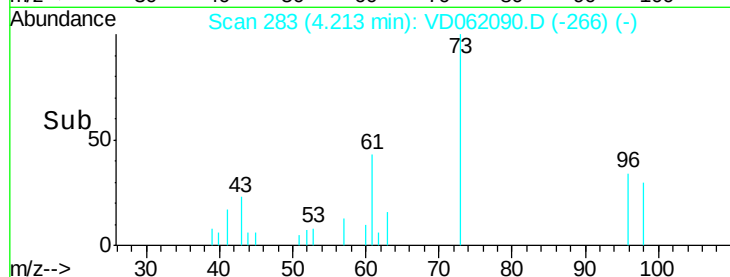
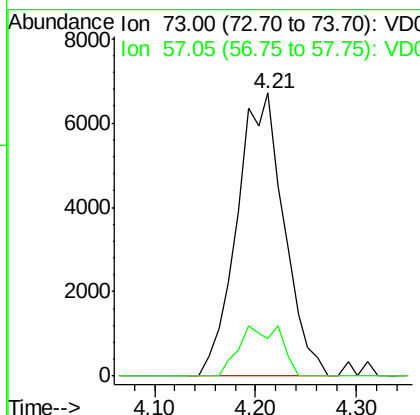
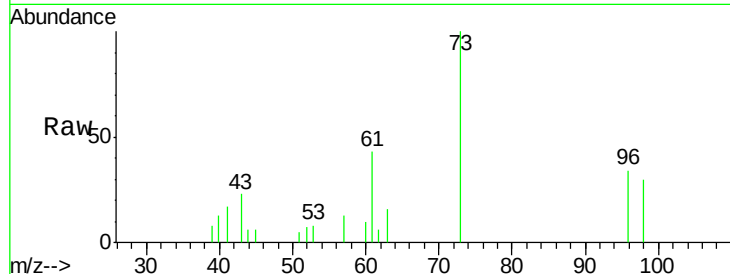
#19
Methyl tert-butyl Ether
Concen: 2.209 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 73 Resp: 21723
Ion Ratio Lower Upper
73 100
57 13.2 16.3 24.5#

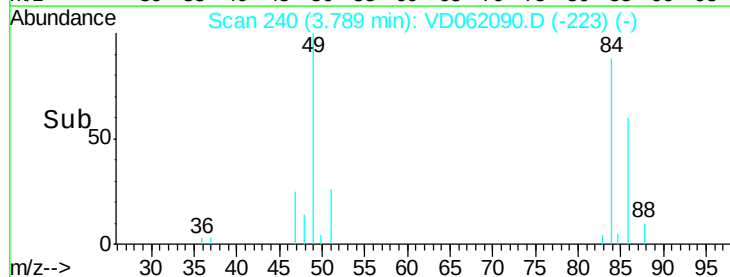
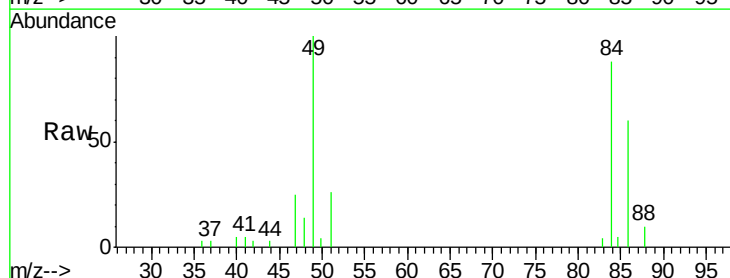
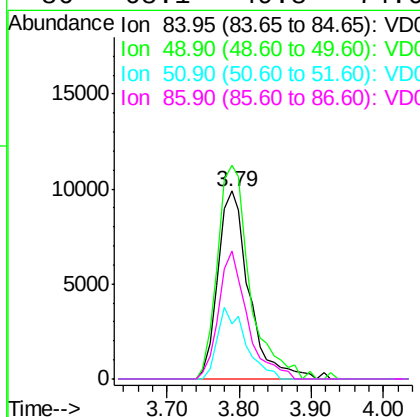
Manual Integrations
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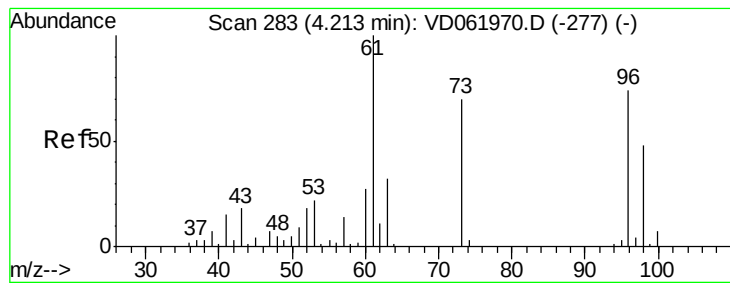
MMDadoda
5/2/2019 7:23:33 AM



#20
Methylene Chloride
Concen: 4.696 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion: 84 Resp: 29573
Ion Ratio Lower Upper
84 100
49 113.6 94.0 141.0
51 29.2 29.0 43.4
86 68.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 2.257 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.03 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

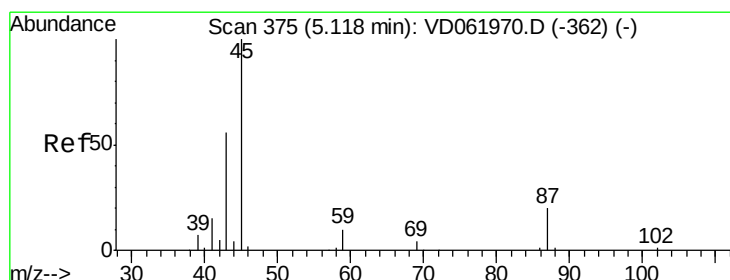
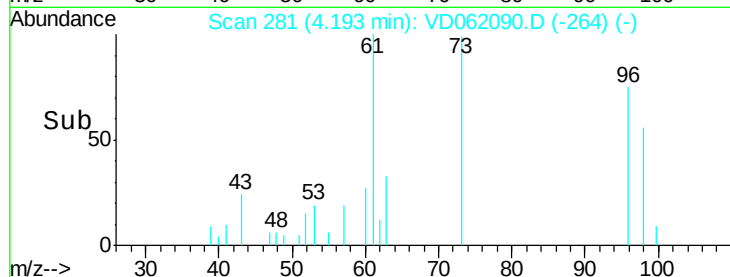
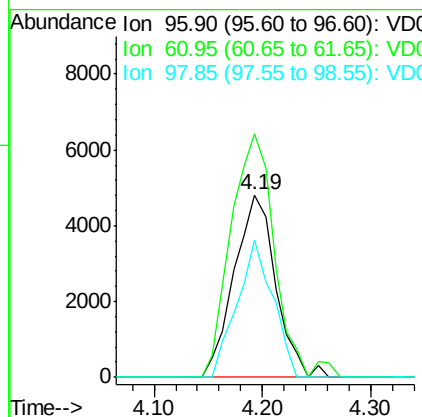
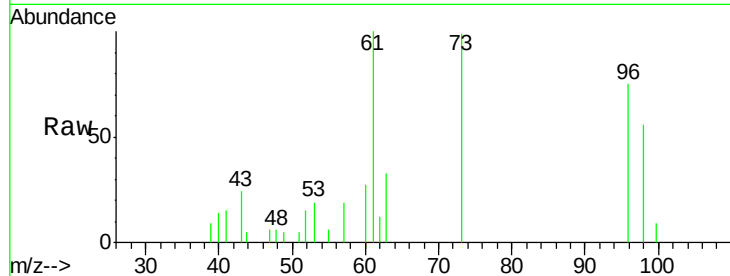
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	96	Resp:	12831
Ion	Ratio	Lower	Upper
96	100		
61	133.5	104.4	156.6
98	75.3	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 2.390 ug/l

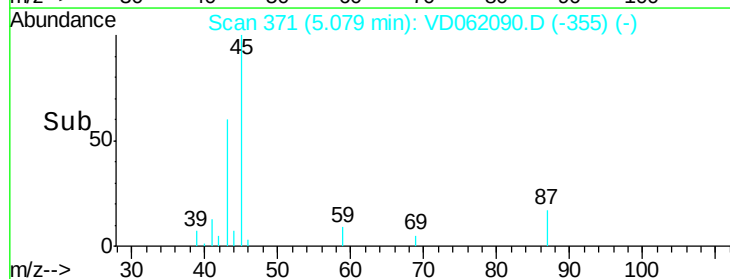
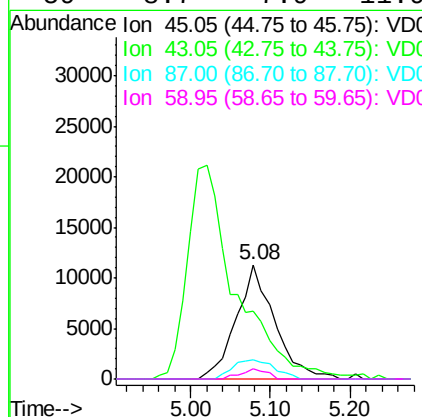
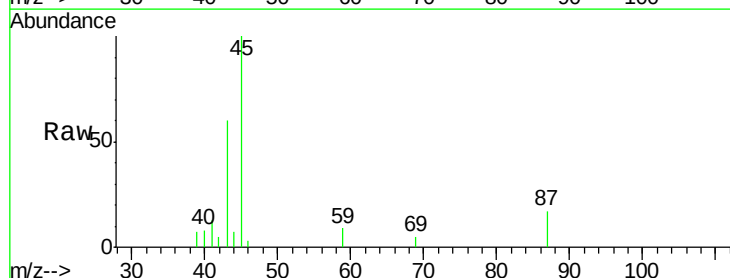
RT: 5.08 min Scan# 371

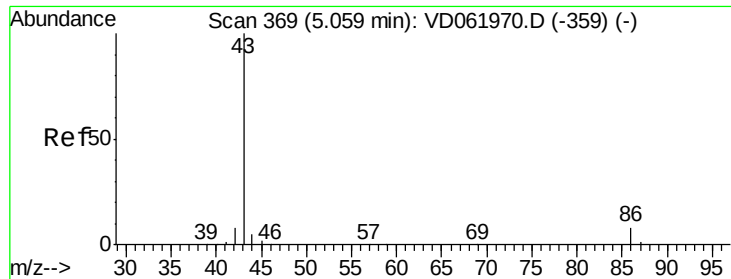
Delta R.T. -0.04 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Tgt Ion:	45	Resp:	37761
Ion	Ratio	Lower	Upper
45	100		
43	59.6	46.2	69.2
87	17.0	15.9	23.9
59	8.7	7.9	11.9





#23

Vinyl Acetate

Concen: 10.736 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.04 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 43 Resp: 88328

Ion Ratio Lower Upper

43 100

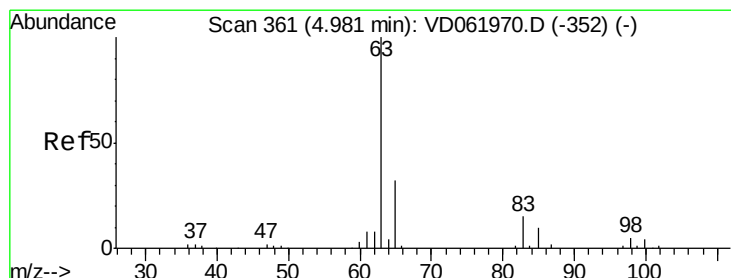
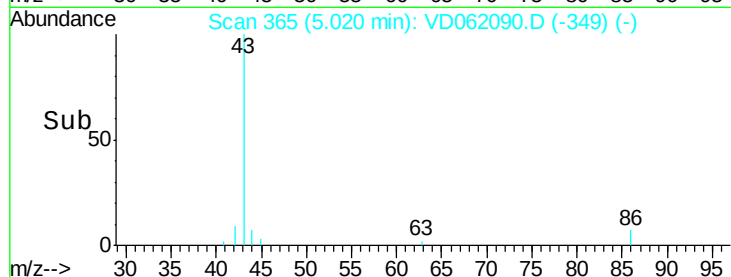
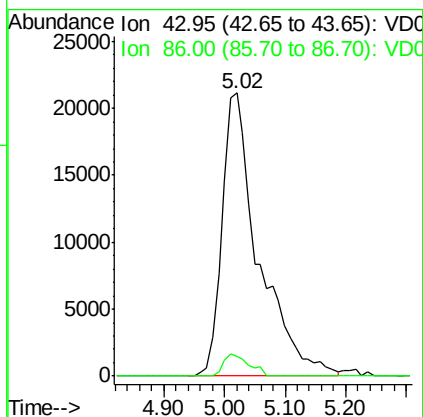
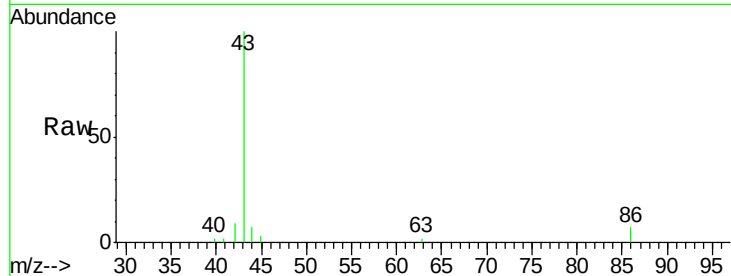
86 7.1 6.4 9.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 2.312 ug/l

RT: 4.94 min Scan# 357

Delta R.T. -0.05 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

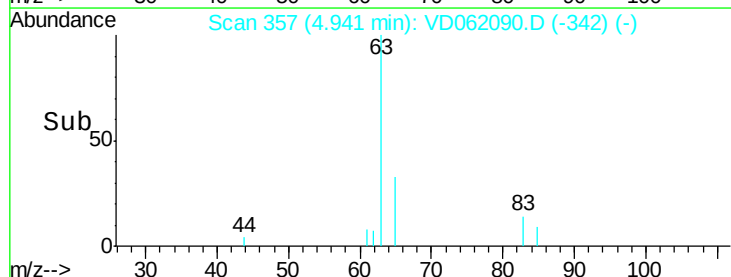
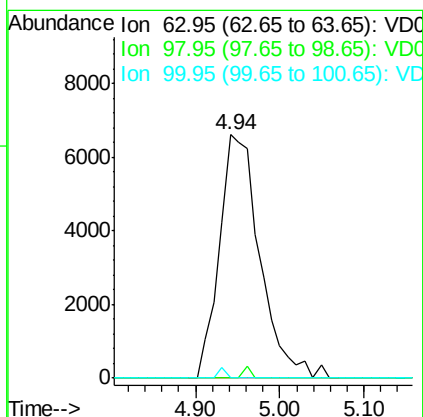
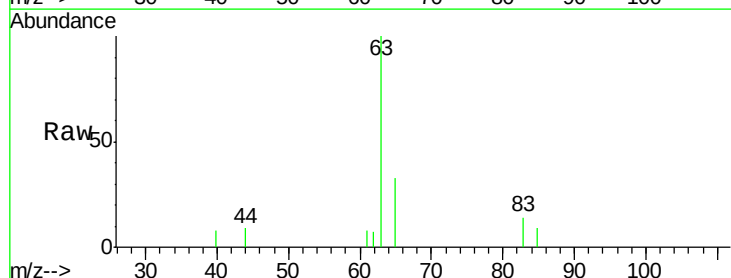
Tgt Ion: 63 Resp: 22075

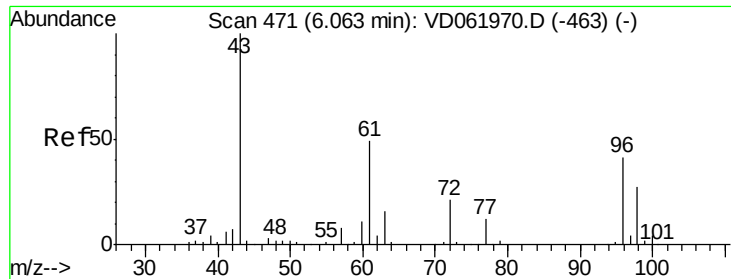
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 0.0 1.8 5.5#





#25

2-Butanone

Concen: 11.738 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.04 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 43 Resp: 16168

Ion Ratio Lower Upper

43 100

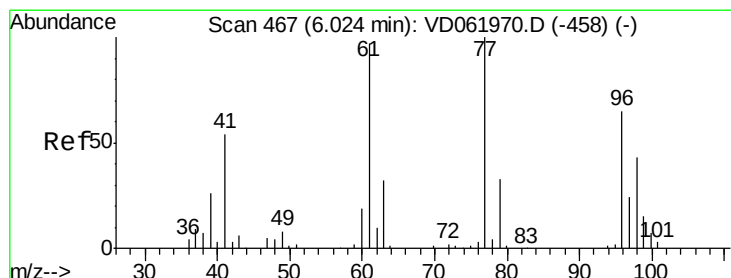
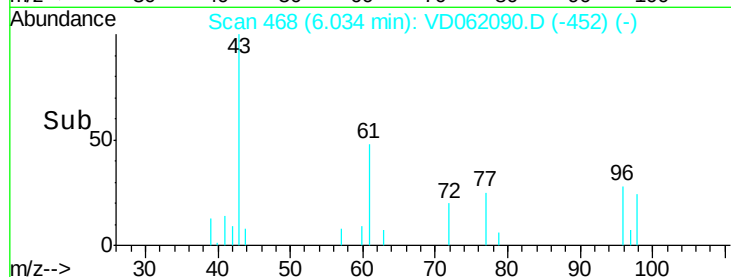
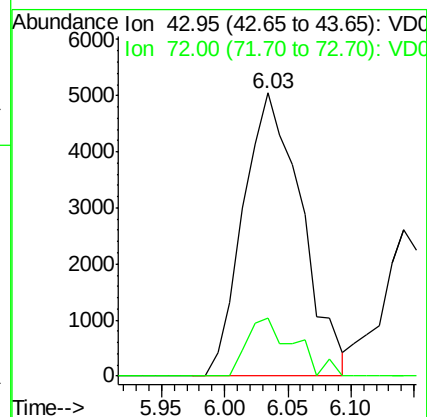
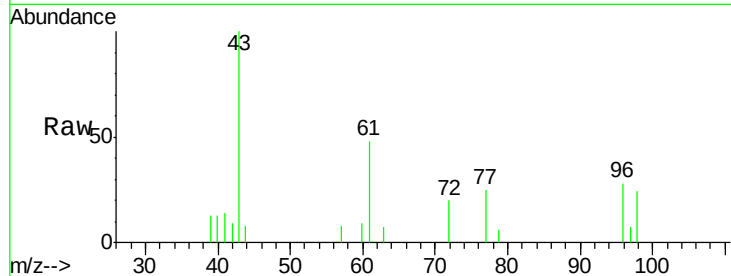
72 20.4 16.2 24.4

Manual Integrations

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MMDadoda

5/2/2019 7:23:33 AM



#26

2,2-Dichloropropane

Concen: 2.410 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.03 min

Lab File: VD062090.D

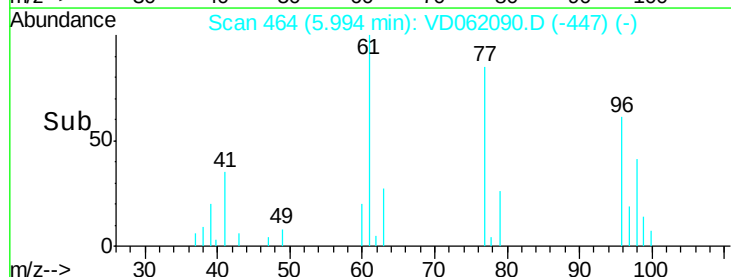
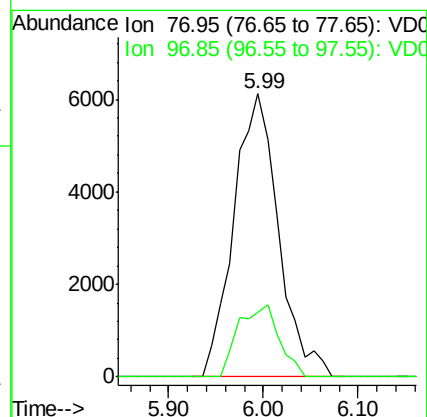
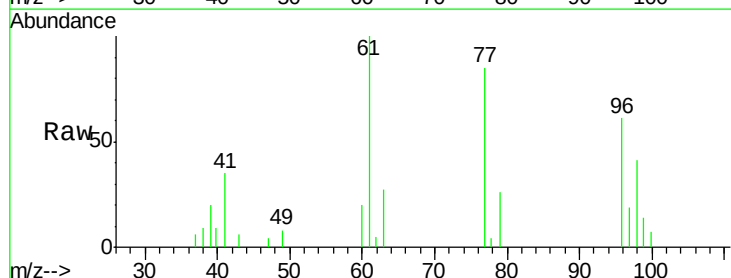
Acq: 30 Apr 2019 16:33

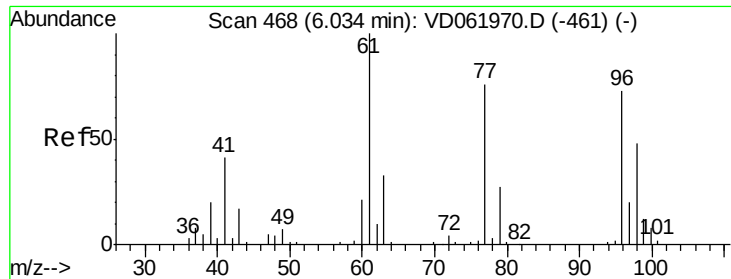
Tgt Ion: 77 Resp: 20075

Ion Ratio Lower Upper

77 100

97 22.9 11.9 35.9





#27

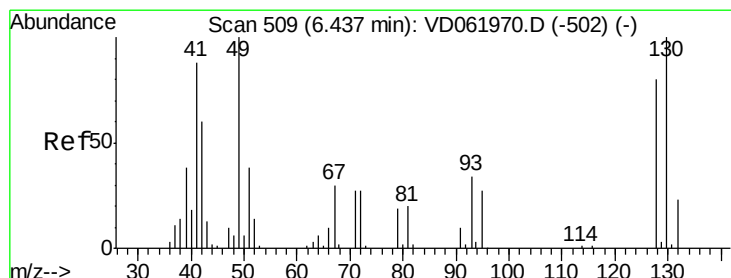
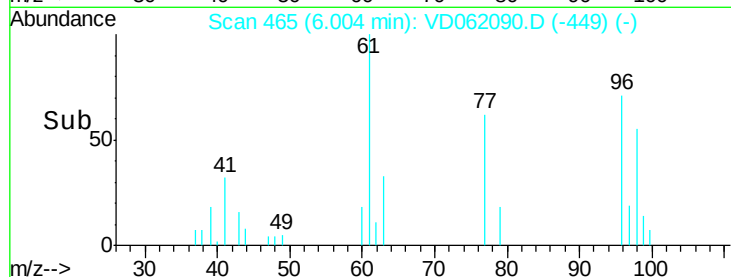
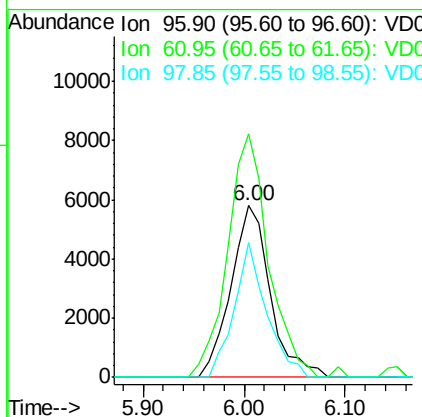
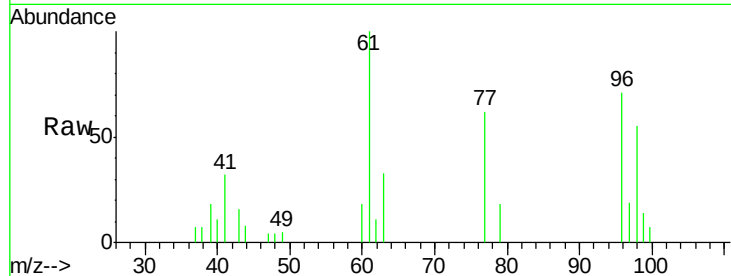
cis-1,2-Dichloroethene
Concen: 2.442 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.04 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	279.8
98	78.4	0.0	136.0

Manual Integrations
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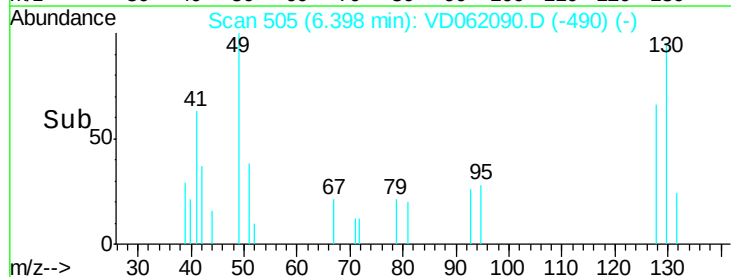
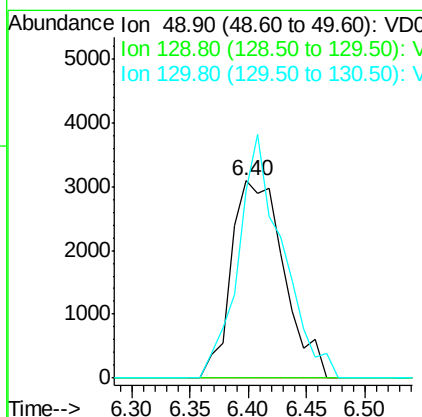
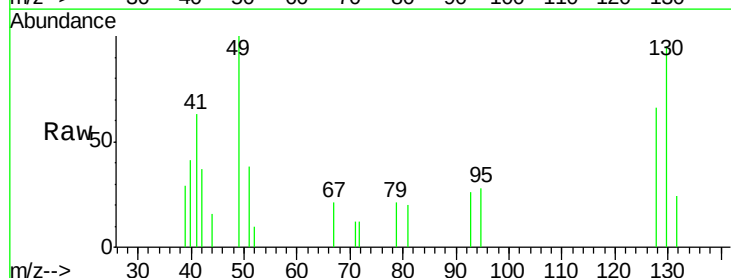
MMDadoda
5/2/2019 7:23:33 AM

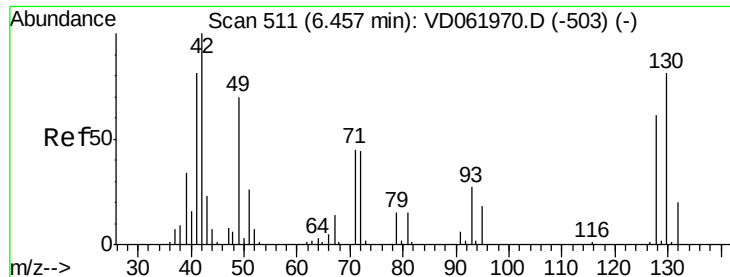


#28

Bromochloromethane
Concen: 2.641 ug/l
RT: 6.40 min Scan# 505
Delta R.T. -0.05 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.6
130	94.7	86.7	130.1





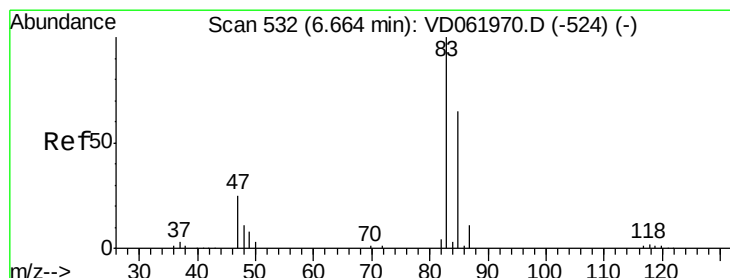
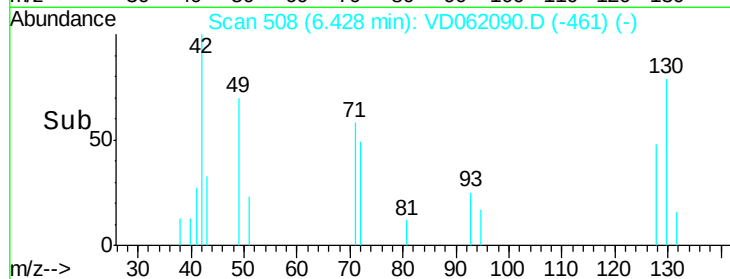
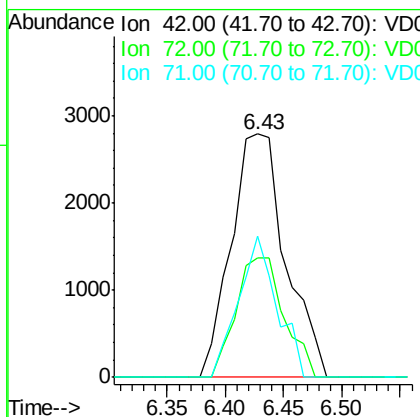
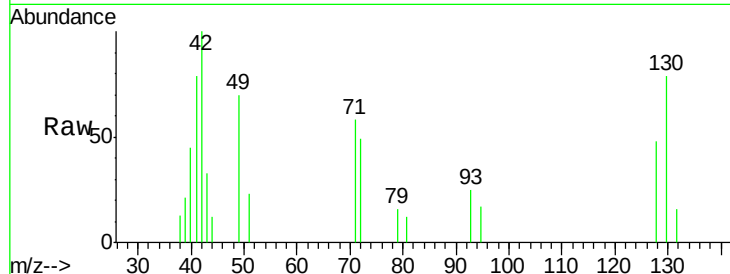
#29
Tetrahydrofuran
Concen: 13.321 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	37.8	56.6
71	40.8	36.7	55.1

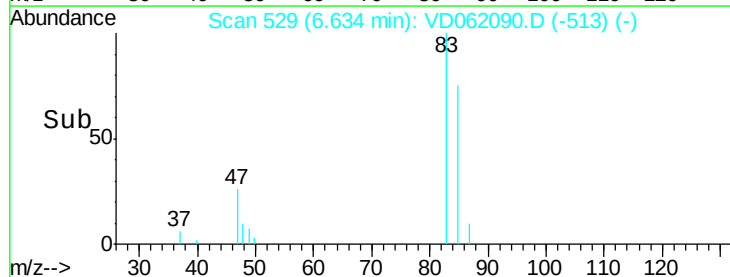
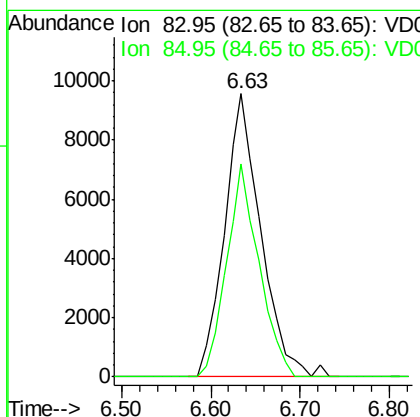
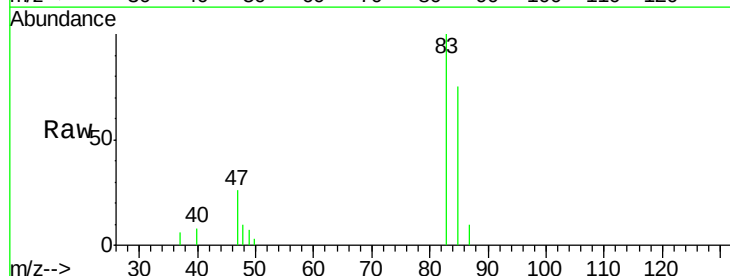
Manual Integrations
APPROVED

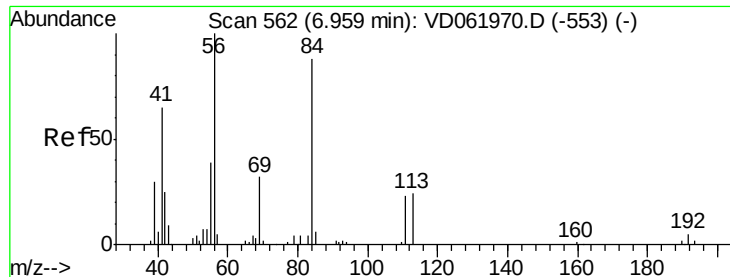
MMDadoda
5/2/2019 7:23:33 AM



#30
Chloroform
Concen: 2.507 ug/l
RT: 6.63 min Scan# 529
Delta R.T. -0.04 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	75.0	51.7	77.5





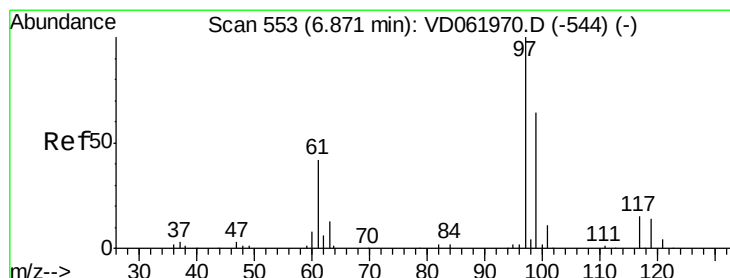
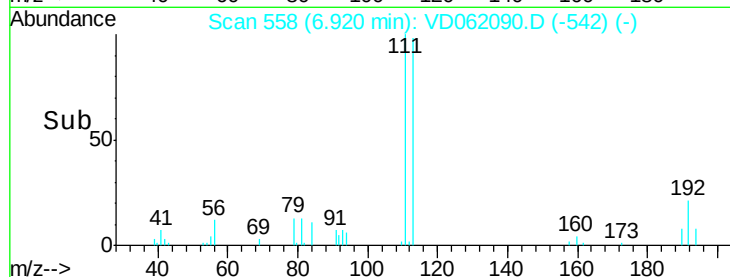
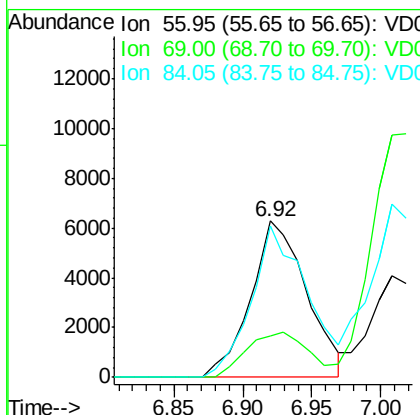
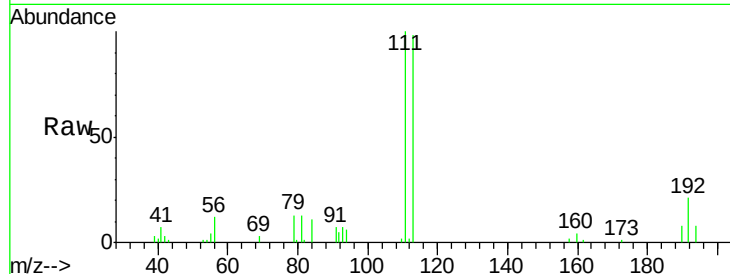
#31
Cyclohexane
Concen: 2.503 ug/l
RT: 6.92 min Scan# 558
Delta R.T. -0.04 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	26.8	25.8	38.6	
84	96.9	72.2	108.4	

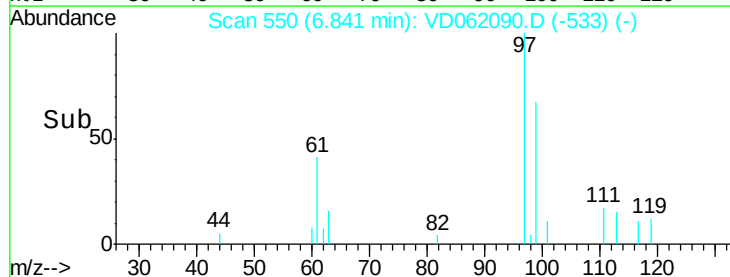
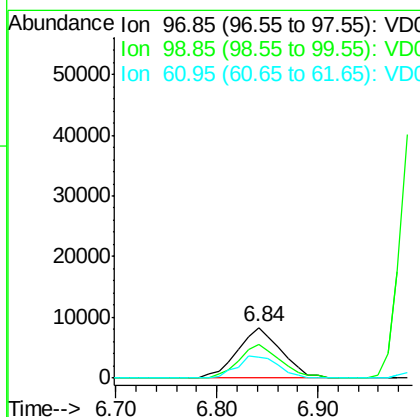
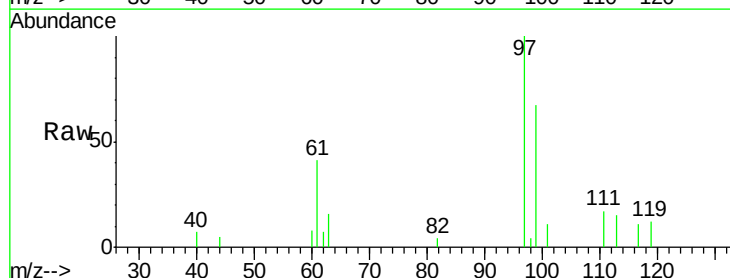
Manual Integrations
APPROVED

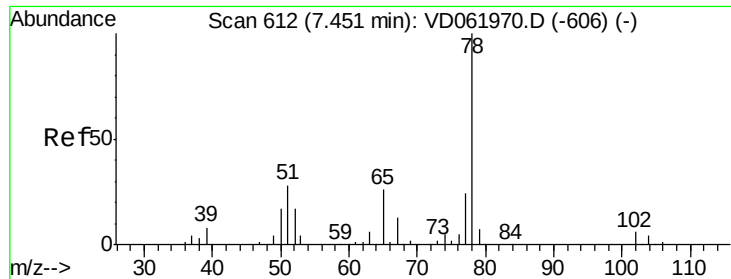
MMDadoda
5/2/2019 7:23:33 AM



#32
1,1,1-Trichloroethane
Concen: 2.621 ug/l
RT: 6.84 min Scan# 550
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	67.1	52.2	78.2	
61	41.4	32.4	48.6	





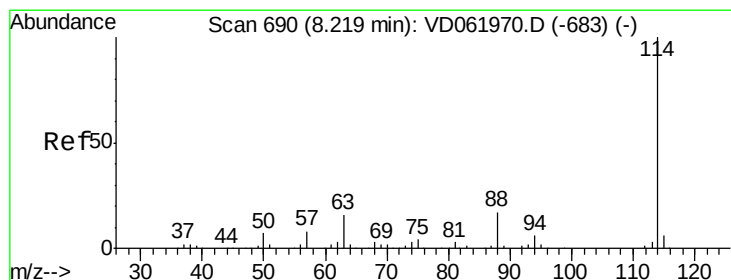
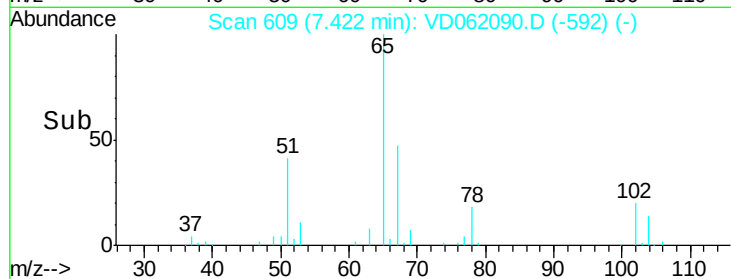
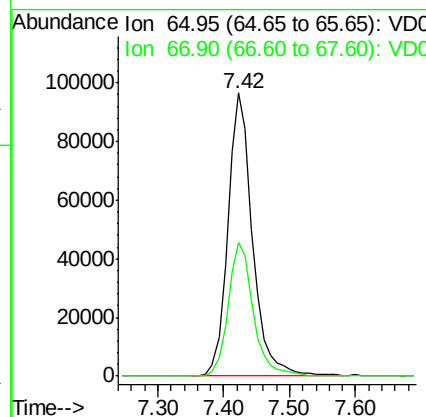
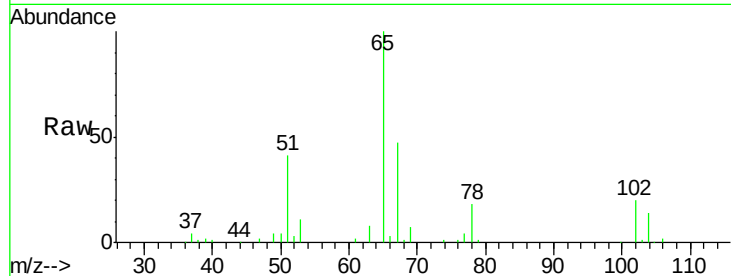
#33
 1,2-Dichloroethane-d4
 Concen: 53.028 ug/l
 RT: 7.42 min Scan# 609
 Delta R.T. -0.03 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
65	100	252307		
67	47.2	0.0	98.0	

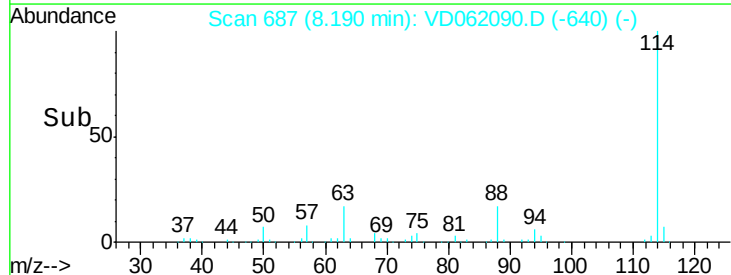
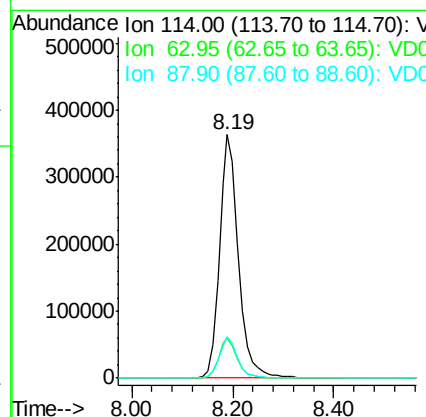
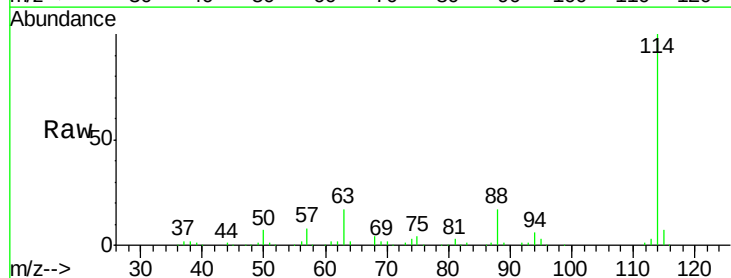
Manual Integrations
 APPROVED

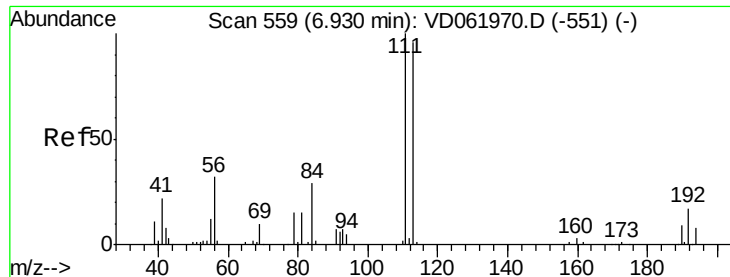
MMDadoda
 5/2/2019 7:23:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	953089		
63	16.7	0.0	32.4	
88	17.2	0.0	33.6	





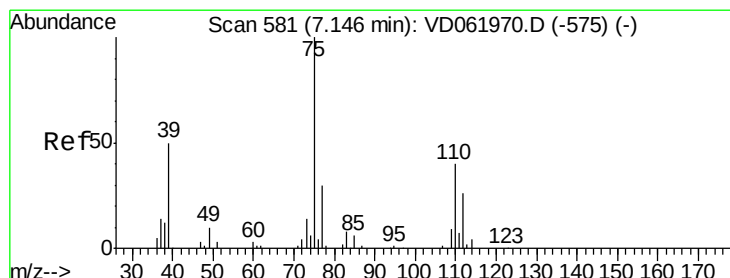
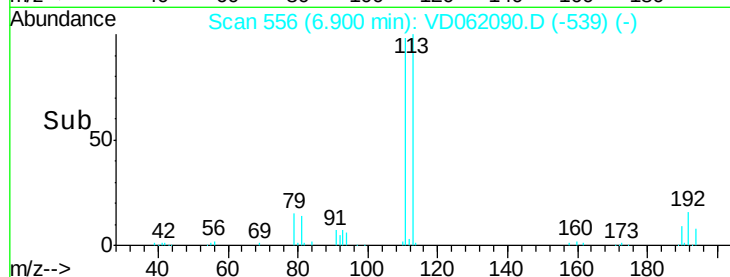
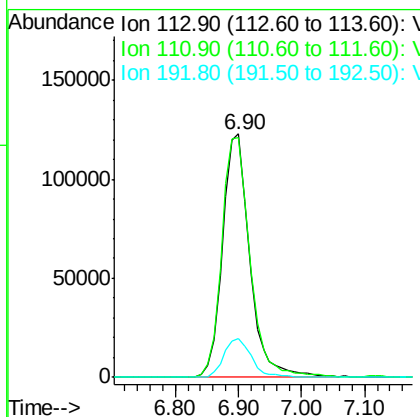
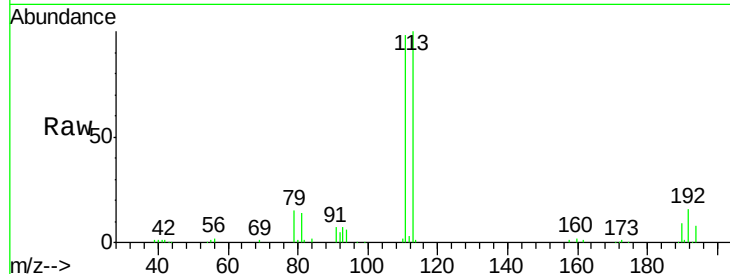
#35
 Dibromofluoromethane
 Concen: 55.812 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
113	100	367884		
111	98.4		78.5	117.7
192	16.2		13.0	19.4

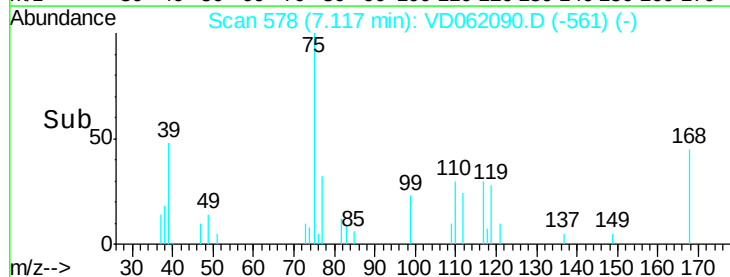
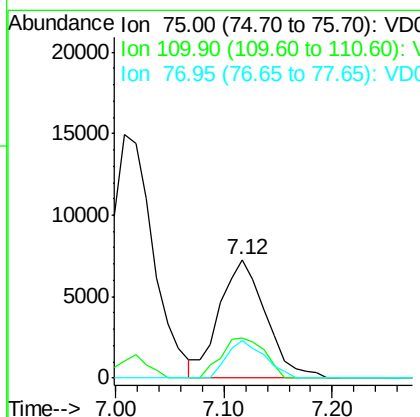
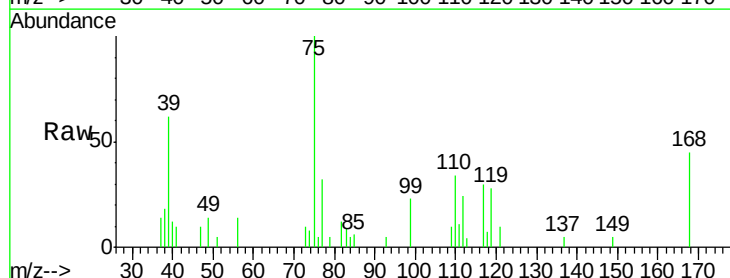
Manual Integrations
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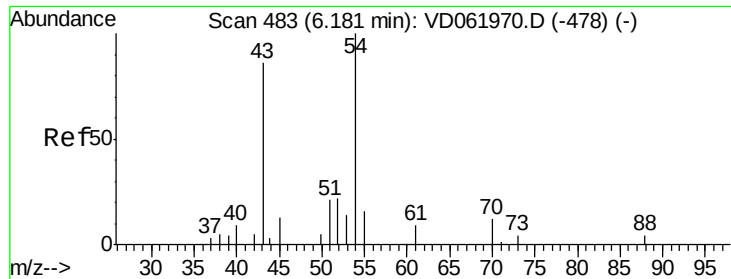
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 2.907 ug/l
 RT: 7.12 min Scan# 578
 Delta R.T. -0.03 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21584		
110	34.0		19.1	57.1
77	31.8		25.6	38.4





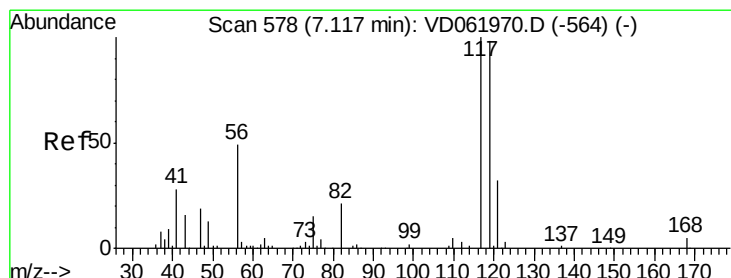
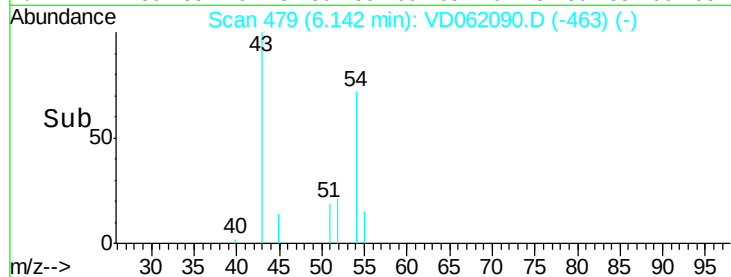
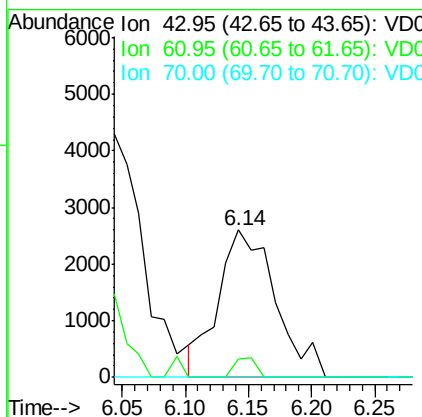
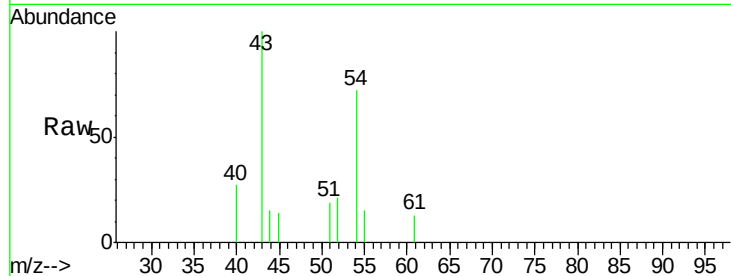
#37
Ethyl Acetate
Concen: 2.575 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.04 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 43 Resp: 8147
Ion Ratio Lower Upper
43 100
61 12.6 14.7 22.1#
70 0.0 7.8 11.6#

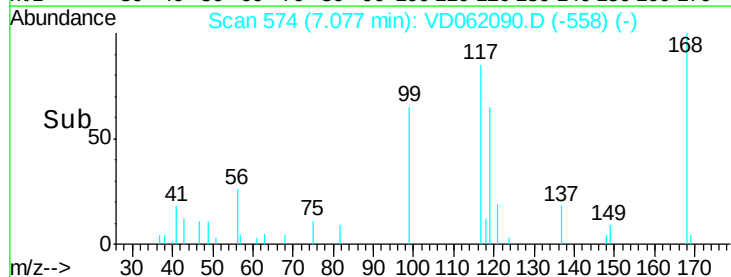
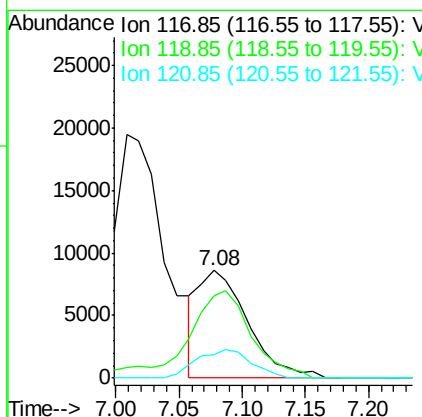
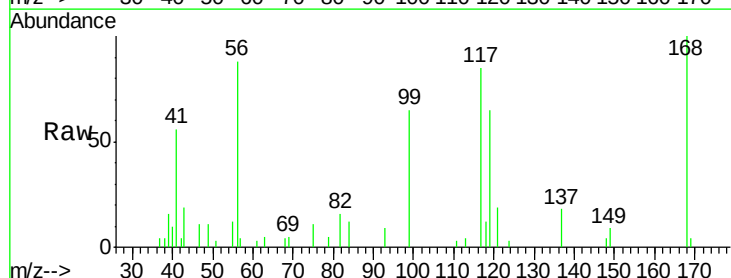
Manual Integrations
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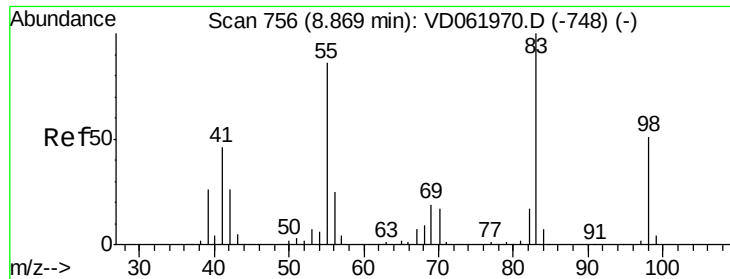
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#38
Carbon Tetrachloride
Concen: 2.465 ug/l
RT: 7.08 min Scan# 574
Delta R.T. -0.04 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion: 117 Resp: 23193
Ion Ratio Lower Upper
117 100
119 76.1 75.8 113.8
121 21.9 25.9 38.9#





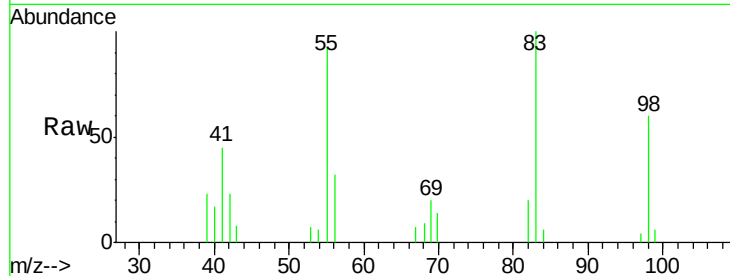
#39
Methylvlclohexane
Concen: 2.680 ug/l
RT: 8.84 min Scan# 753
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

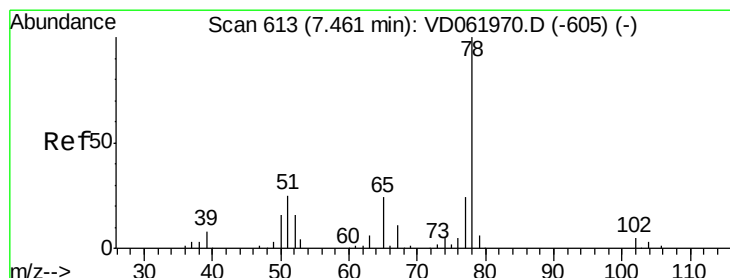
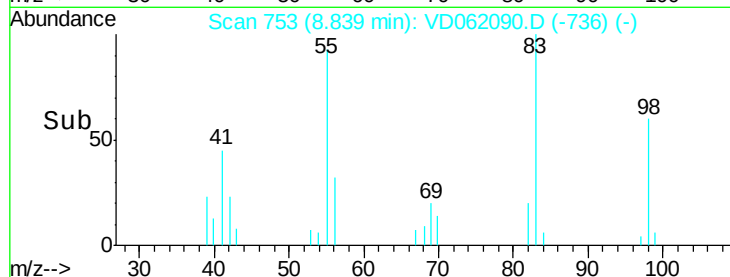
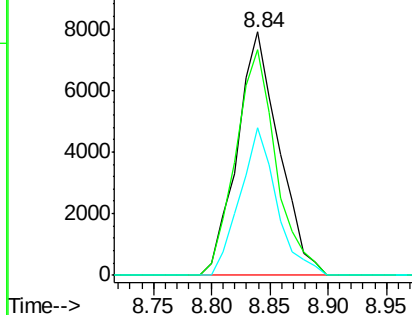
Tot Ion	83	Resp	19635
Ion Ratio	Lower	Upper	
83	100		
55	92.9	68.2	102.4
98	60.5	38.2	57.4#

Manual Integrations
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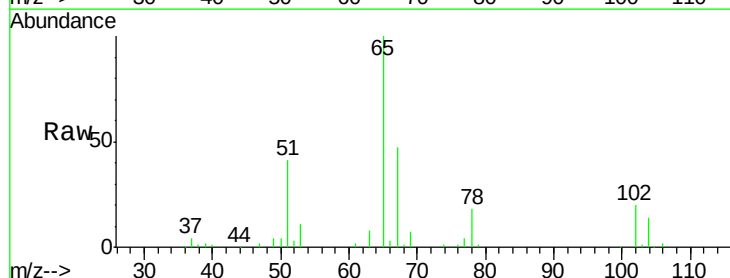


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

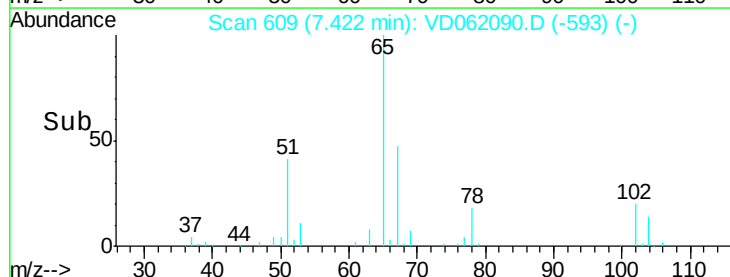
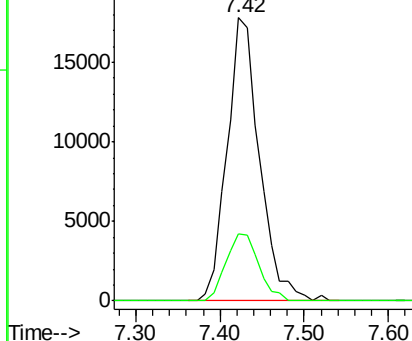


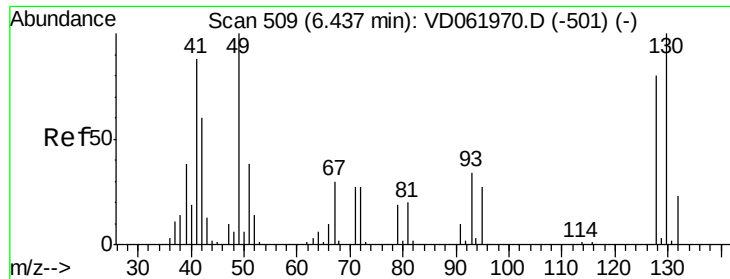
#40
Benzene
Concen: 2.596 ug/l
RT: 7.42 min Scan# 609
Delta R.T. -0.04 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion	78	Resp	47726
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.7	29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





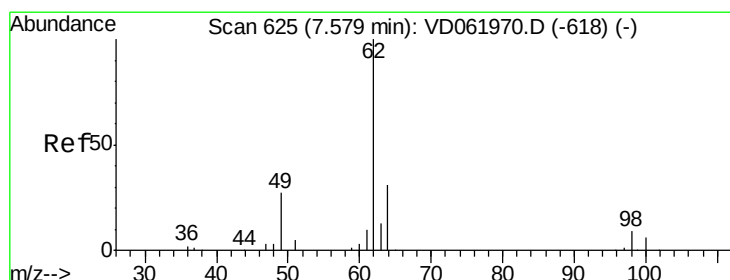
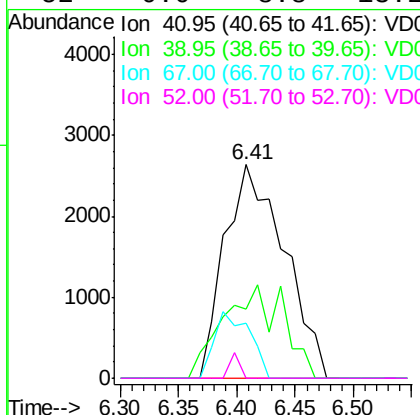
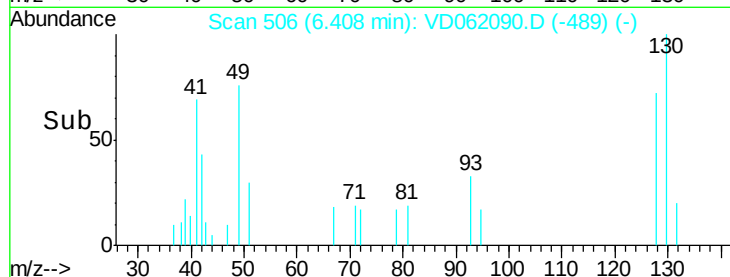
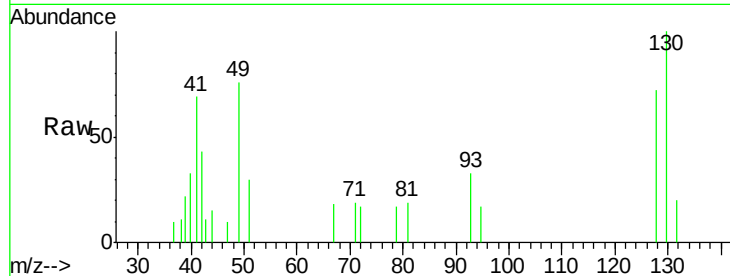
#41
Methacrylonitrile
Concen: 2.528 ug/l
RT: 6.41 min Scan# 506
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
41	100		
39	32.3	34.1	51.1#
67	25.9	23.8	35.6
52	0.0	8.8	13.2#

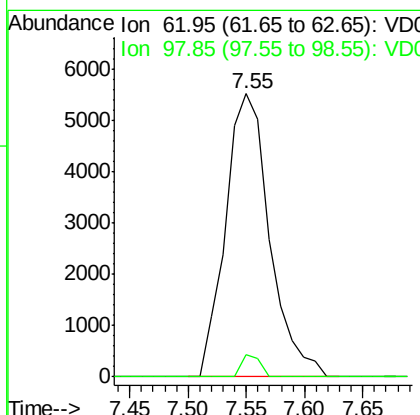
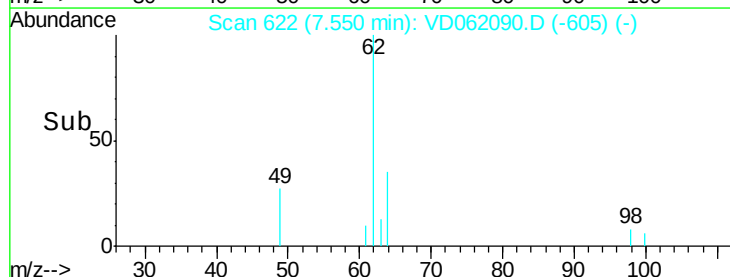
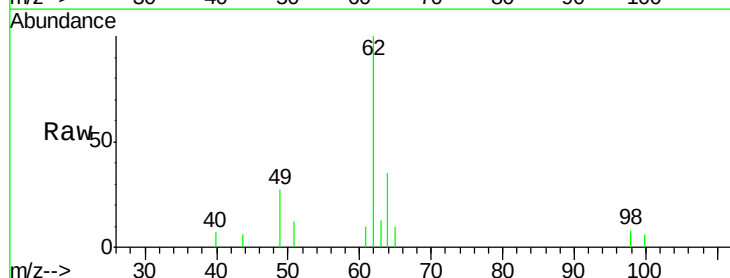
Manual Integrations
APPROVED

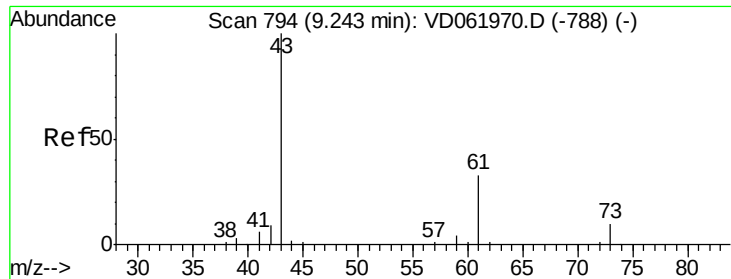
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#42
1,2-Dichloroethane
Concen: 2.317 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.8





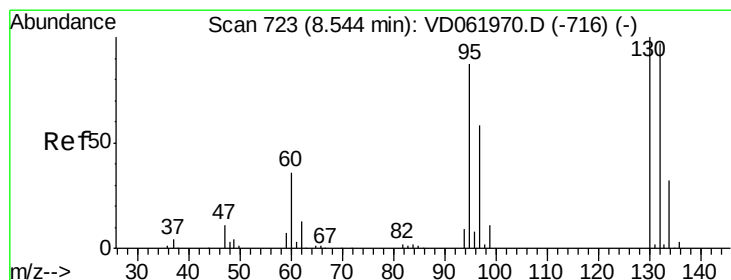
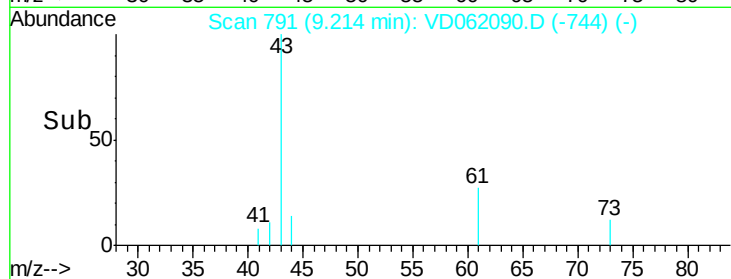
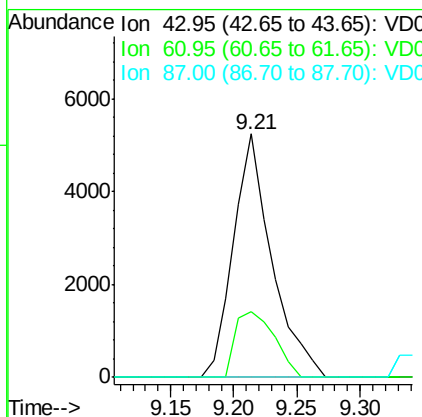
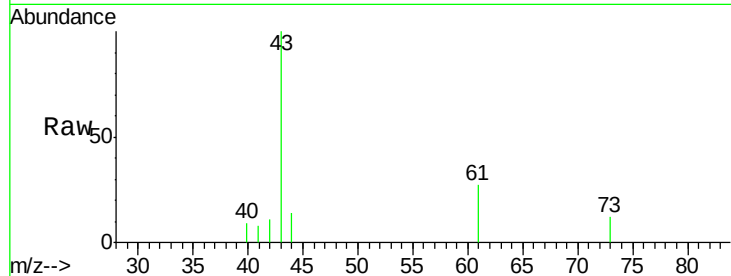
#43
Isopropyl Acetate
Concen: 2.392 ug/l
RT: 9.21 min Scan# 791
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	25.1	37.7
87	0.0	0.0	0.0

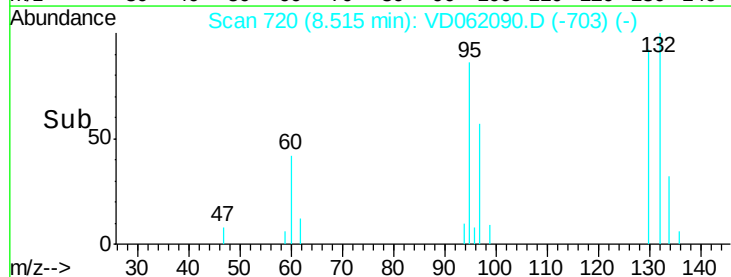
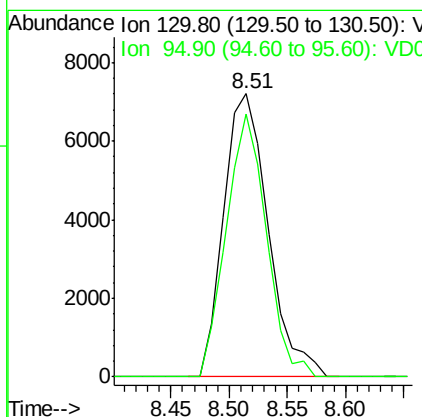
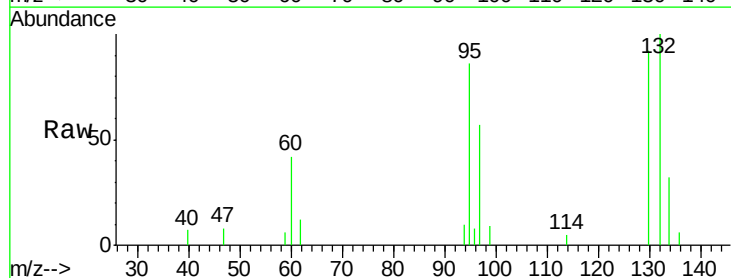
Manual Integrations
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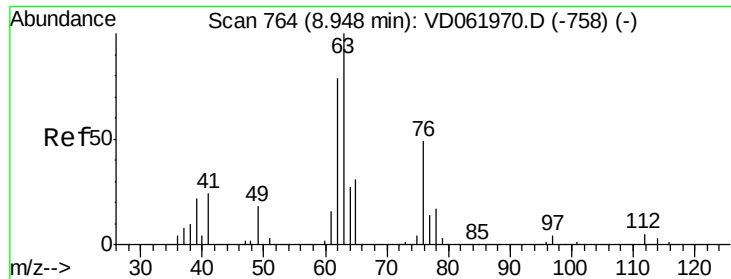
MMDadoda
5/2/2019 7:23:33 AM



#44
Trichloroethene
Concen: 2.670 ug/l
RT: 8.51 min Scan# 720
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	174.0





#45

1,2-Dichloropropane

Concen: 2.426 ug/l

RT: 8.91 min Scan# 760

Delta R.T. -0.03 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 63 Resp: 11312

Ion Ratio Lower Upper

63 100

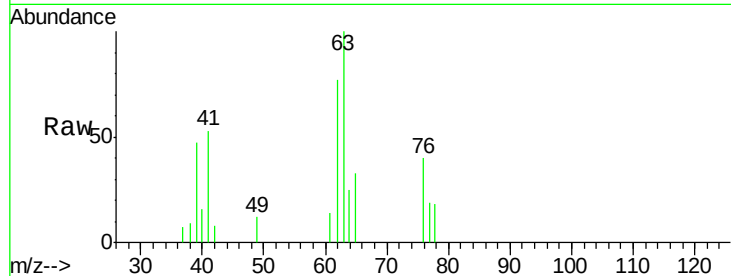
65 32.9 23.8 35.6

Manual Integrations

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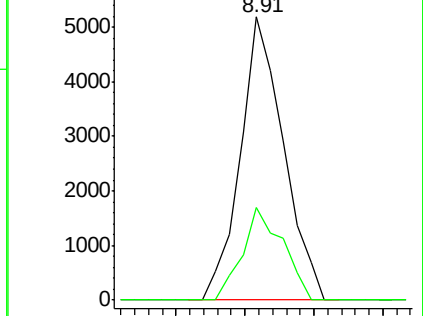
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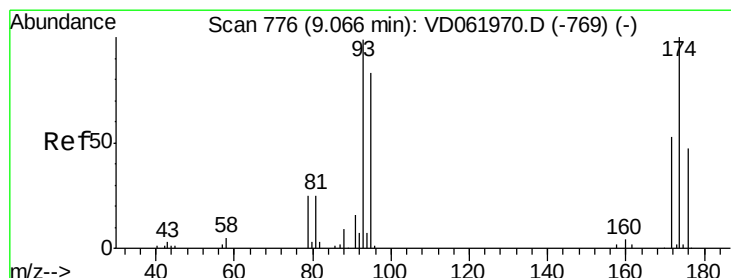
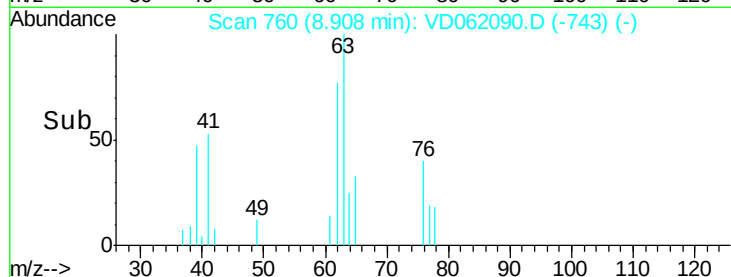


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



Time-->



#46

Dibromomethane

Concen: 2.554 ug/l

RT: 9.04 min Scan# 773

Delta R.T. -0.03 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

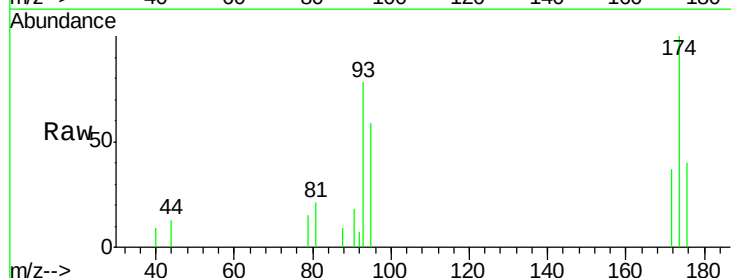
Tgt Ion: 93 Resp: 8572

Ion Ratio Lower Upper

93 100

95 75.4 64.8 97.2

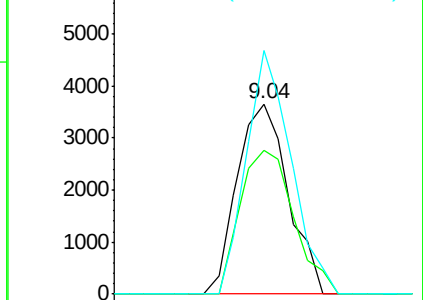
174 128.1 79.3 118.9#



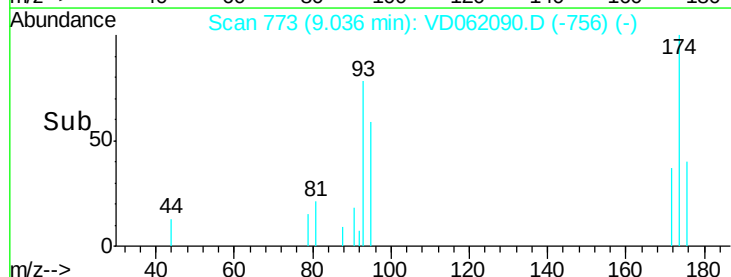
Abundance Ion 92.90 (92.60 to 93.60): VDC

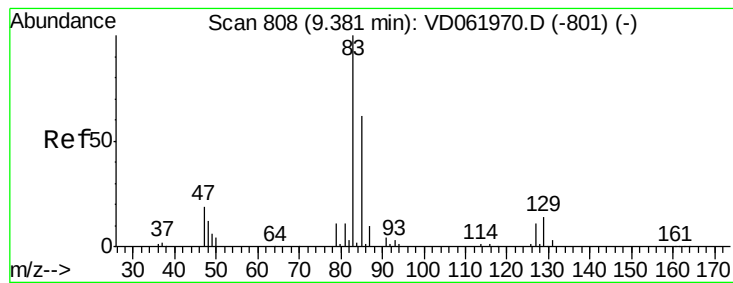
Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V



Time-->





#47

Bromodichloromethane

Concen: 2.157 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

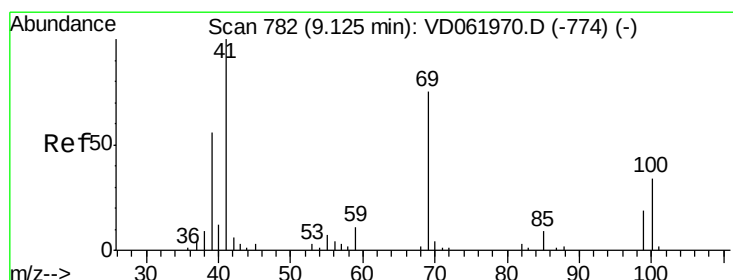
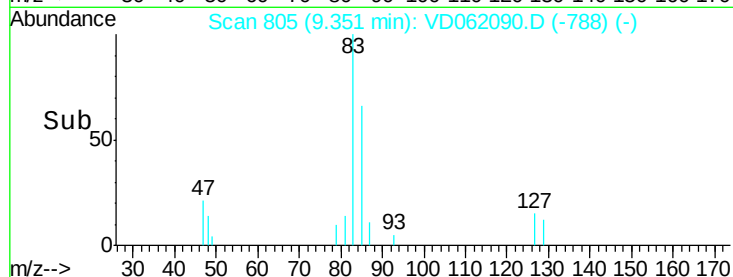
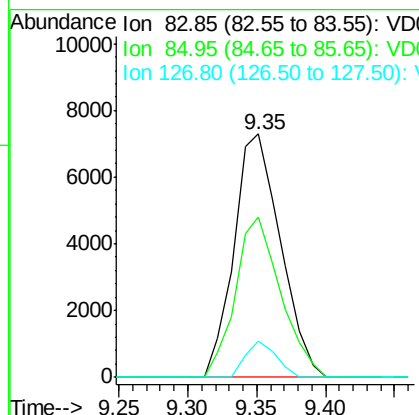
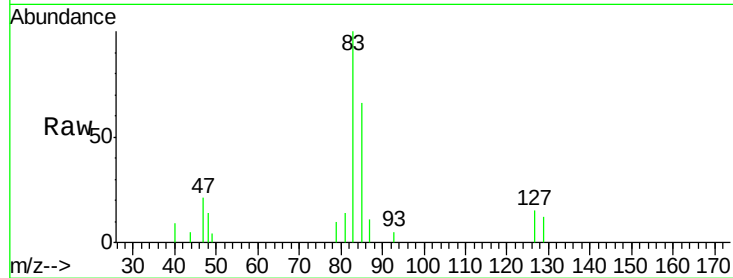
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	83	Resp:	17107
Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.9	76.3
127	14.8	8.1	12.1#

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#48

Methyl methacrylate

Concen: 2.556 ug/l

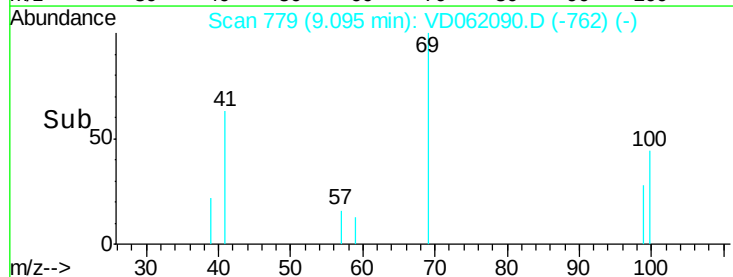
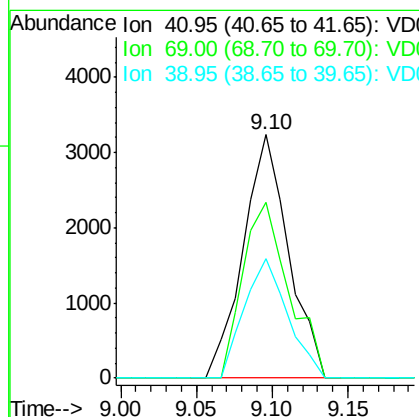
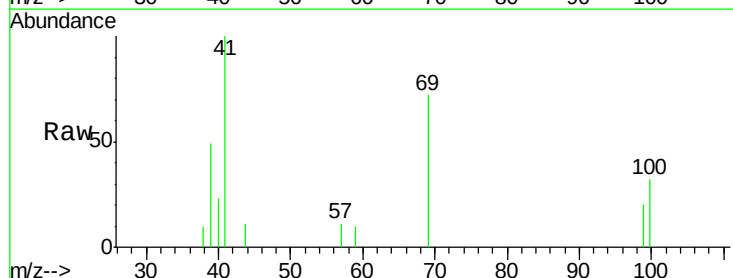
RT: 9.10 min Scan# 779

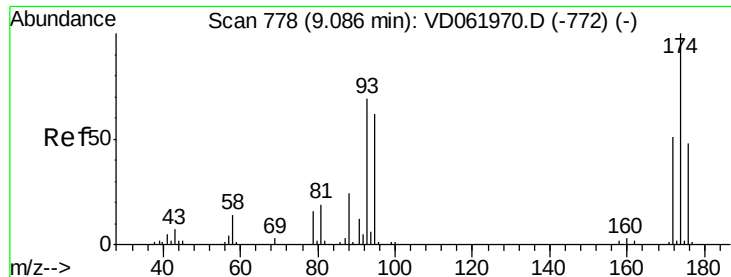
Delta R.T. -0.03 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Tgt Ion:	41	Resp:	6743
Ion	Ratio	Lower	Upper
41	100		
69	72.3	64.2	96.2
39	49.0	46.8	70.2





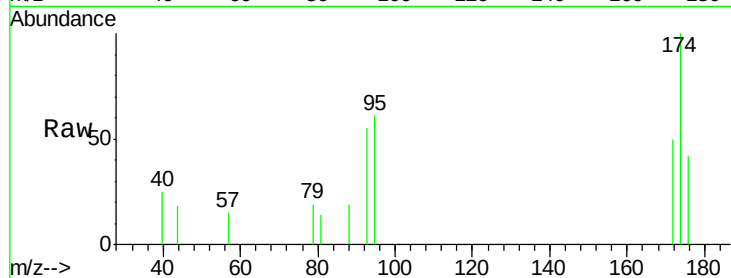
#49
1,4-Dioxane
Concen: 41.068 ug/l
RT: 9.06 min Scan# 775
Delta R.T. -0.02 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

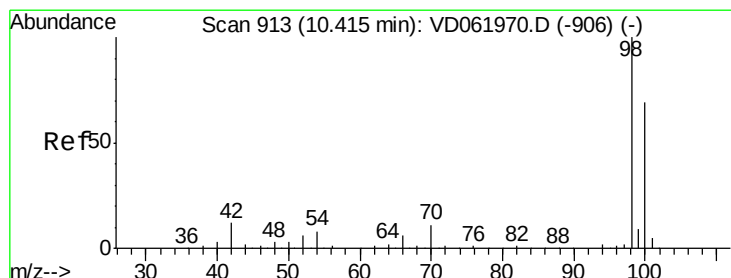
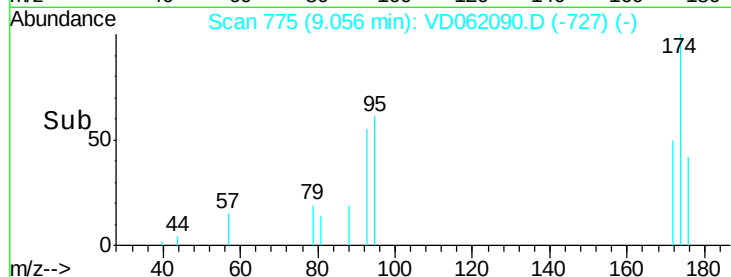
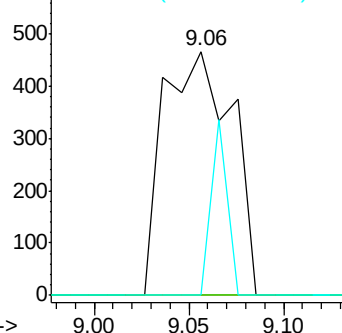
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.4	35.0#
58	0.0	44.0	66.0#

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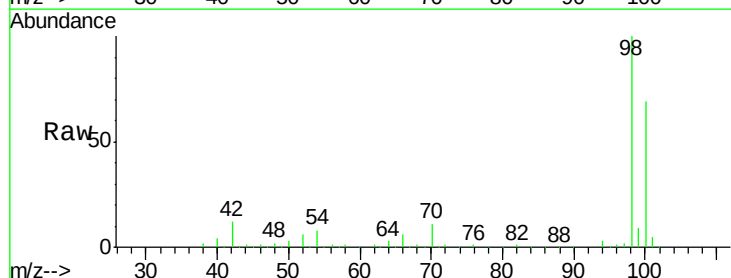


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

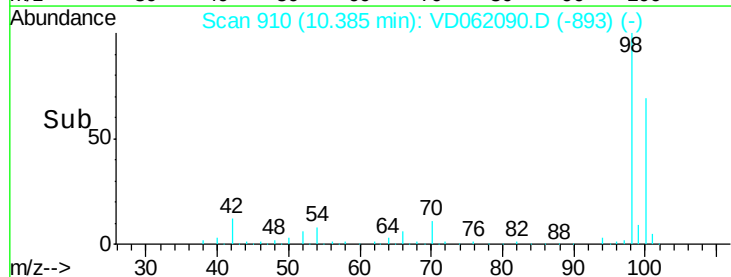
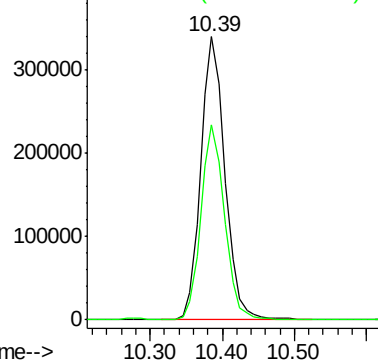


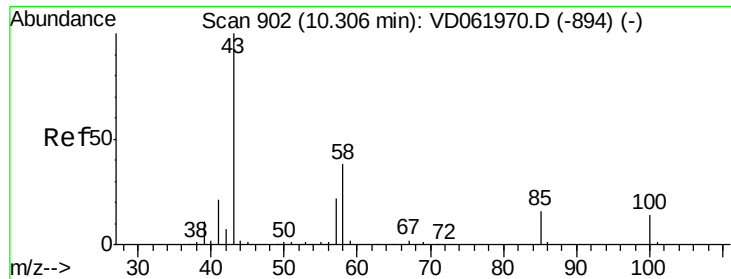
#50
Toluene-d8
Concen: 50.518 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.0	53.8	80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 13.176 ug/l

RT: 10.28 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 43 Resp: 37257

Ion Ratio Lower Upper

43 100

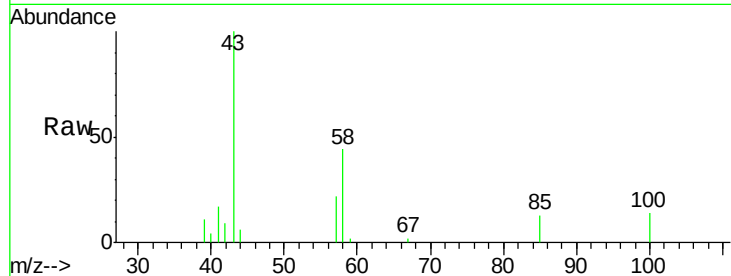
58 44.1 30.4 45.6

Manual Integrations

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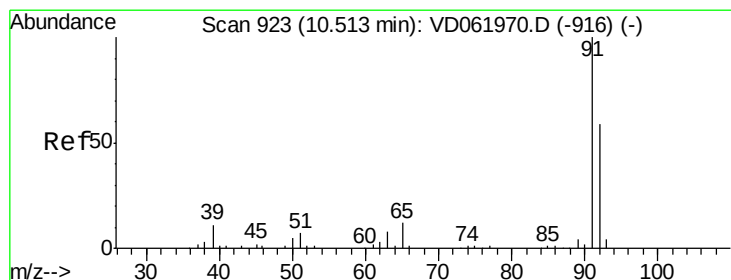
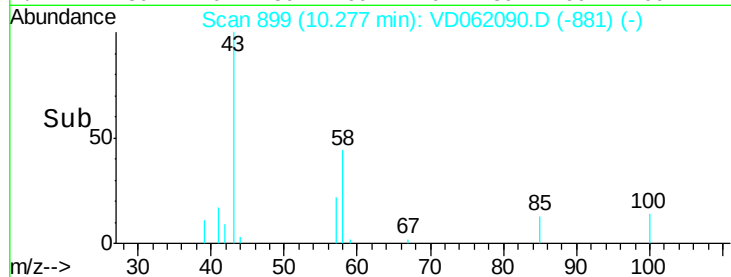
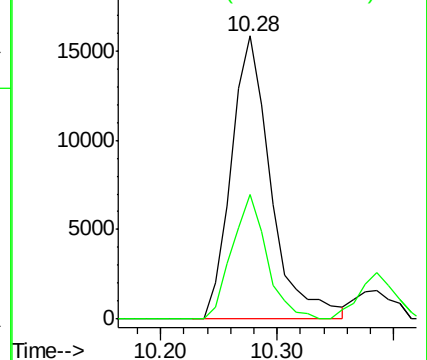
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 2.679 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.03 min

Lab File: VD062090.D

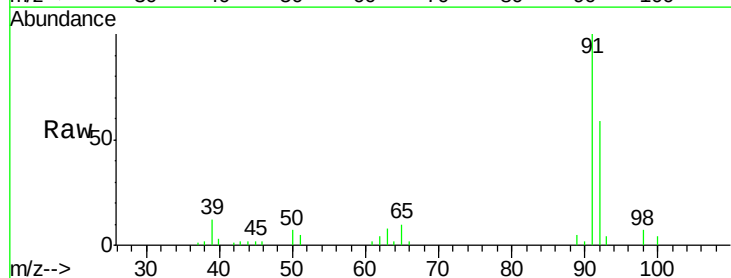
Acq: 30 Apr 2019 16:33

Tgt Ion: 92 Resp: 31396

Ion Ratio Lower Upper

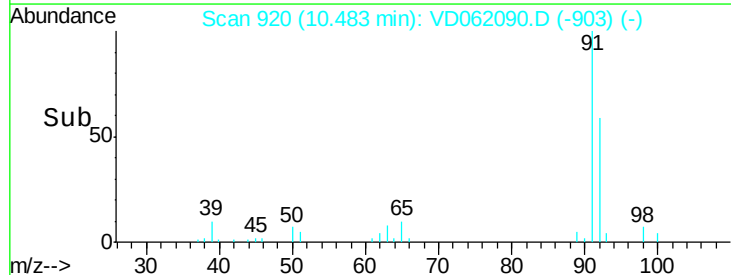
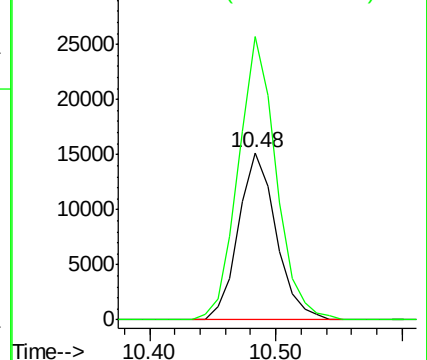
92 100

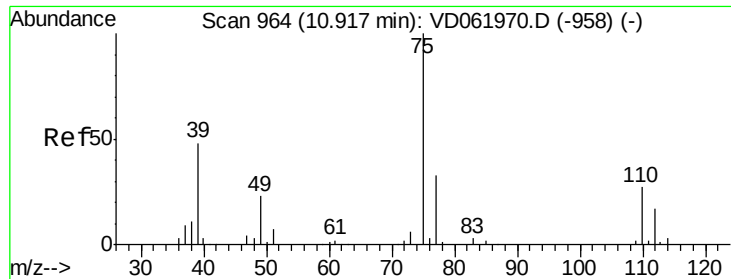
91 169.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





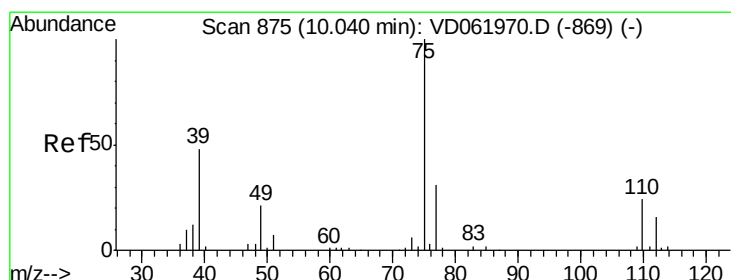
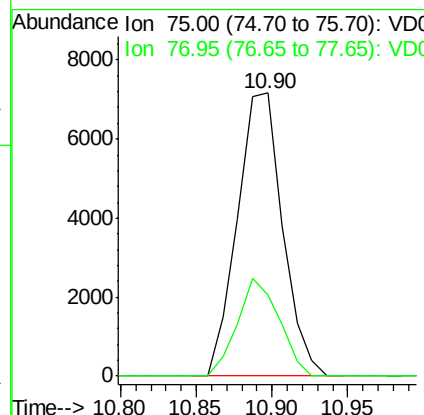
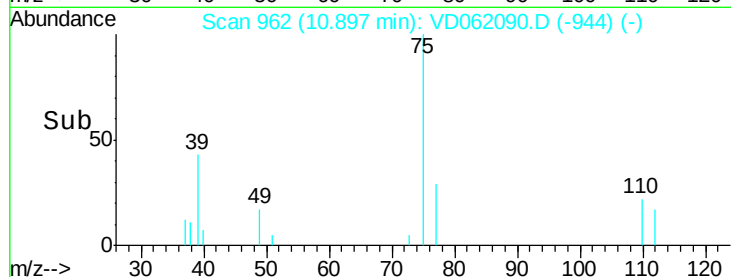
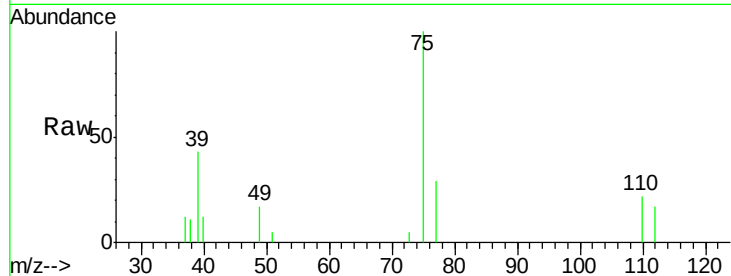
#53
t-1,3-Dichloropropene
Concen: 2.242 ug/l
RT: 10.90 min Scan# 962
Delta R.T. -0.02 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 75 Resp: 14925
Ion Ratio Lower Upper
75 100
77 28.9 25.8 38.8

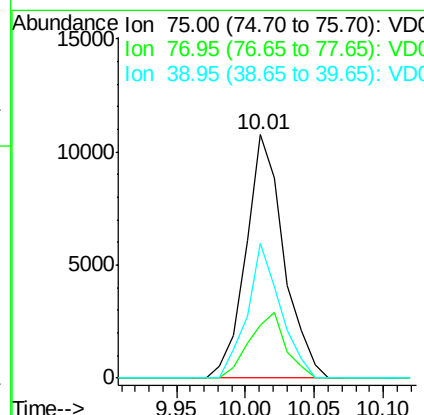
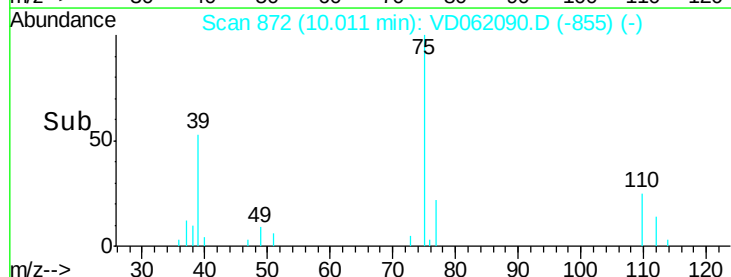
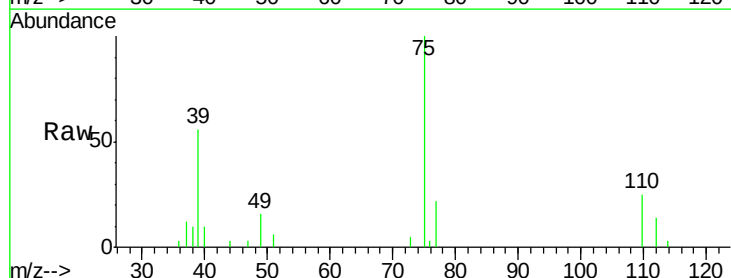
Manual Integrations
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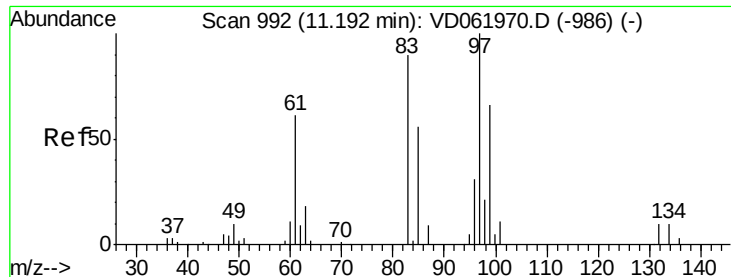
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#54
cis-1,3-Dichloropropene
Concen: 2.547 ug/l
RT: 10.01 min Scan# 872
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion: 75 Resp: 20614
Ion Ratio Lower Upper
75 100
77 21.7 25.5 38.3#
39 55.6 39.4 59.2





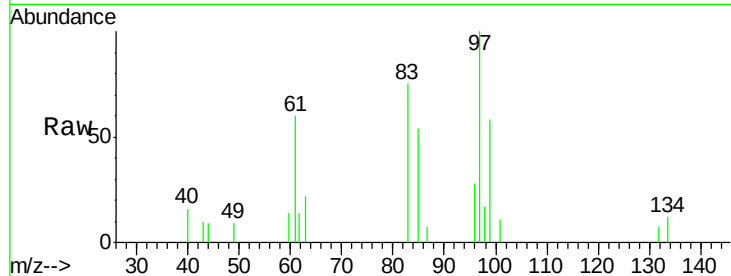
#55
1,1,2-Trichloroethane
Concen: 2.446 ug/l
RT: 11.16 min Scan# 989
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

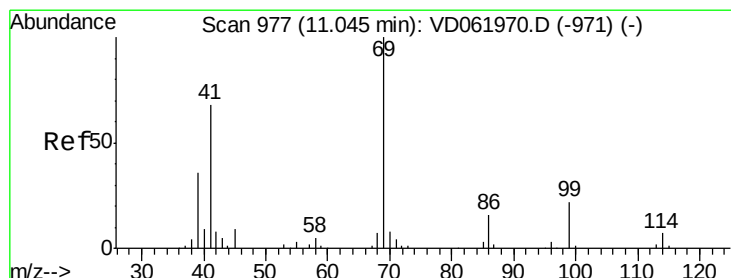
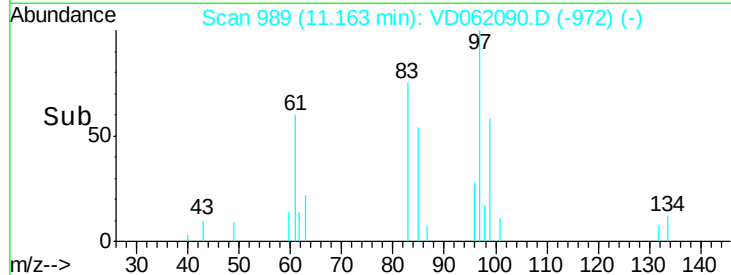
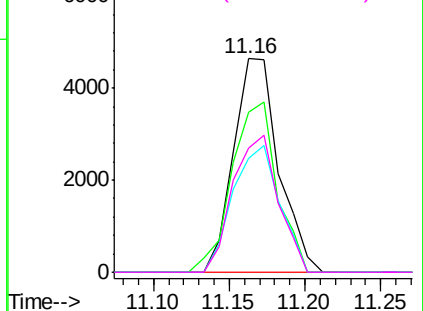
Tot Ion:	97	Resp:	9627
Ion	Ratio	Lower	Upper
97	100		
83	74.7	65.7	98.5
85	53.6	45.6	68.4
99	57.9	48.4	72.6

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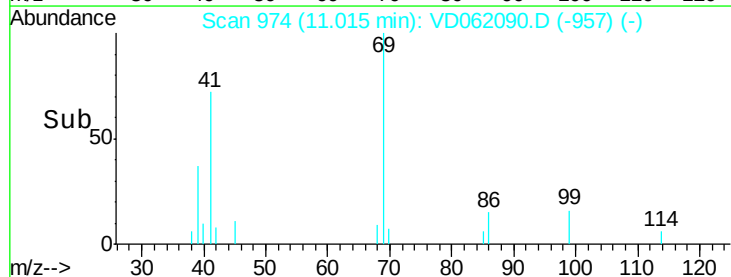
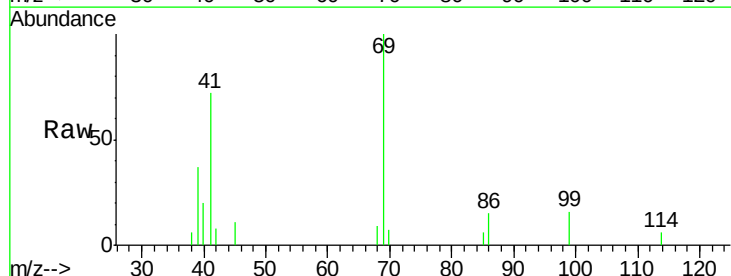
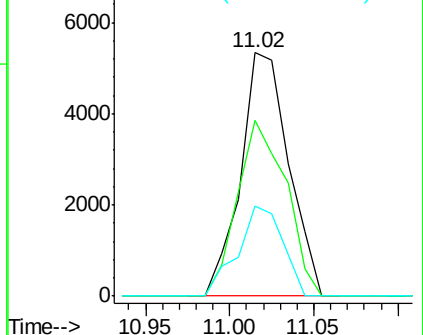
Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

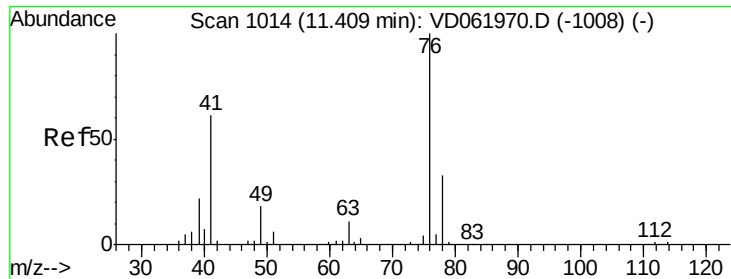


#56
Ethyl methacrylate
Concen: 2.420 ug/l
RT: 11.02 min Scan# 974
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion:	69	Resp:	10547
Ion	Ratio	Lower	Upper
69	100		
41	72.2	56.3	84.5
39	36.7	29.4	44.2

Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





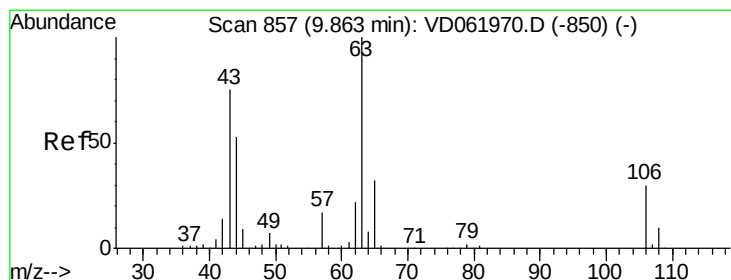
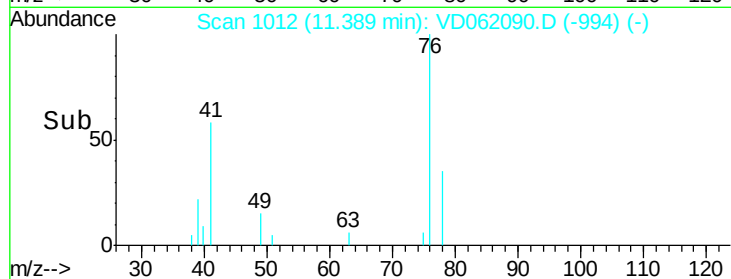
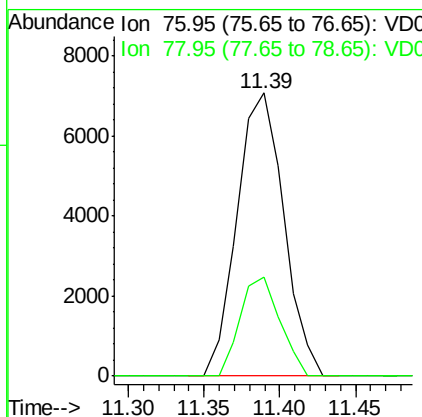
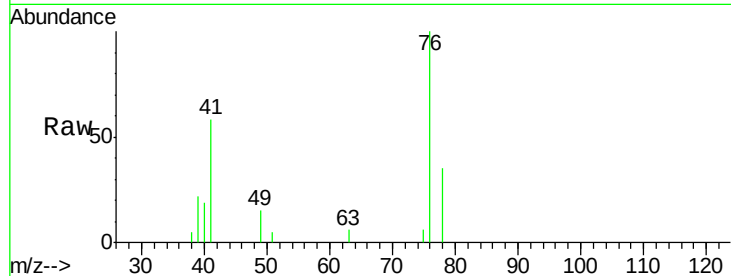
#57
 1,3-Dichloropropane
 Concen: 2.501 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 76 Resp: 15203
 Ion Ratio Lower Upper
 76 100
 78 35.1 26.2 39.2

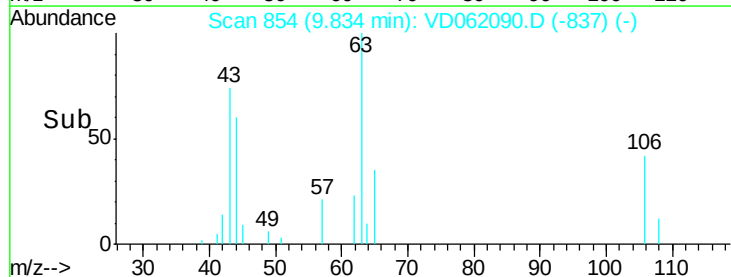
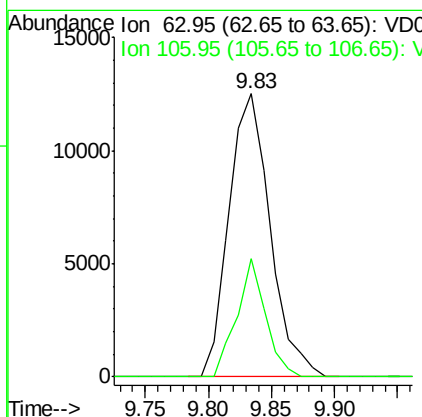
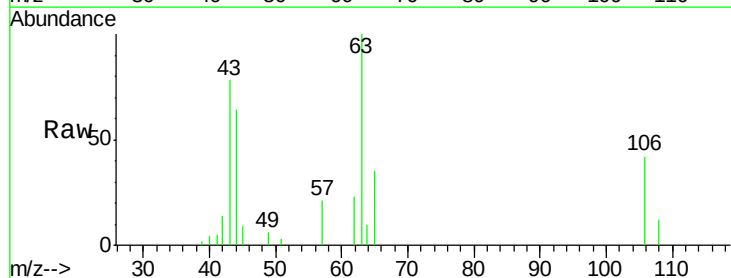
Manual Integrations
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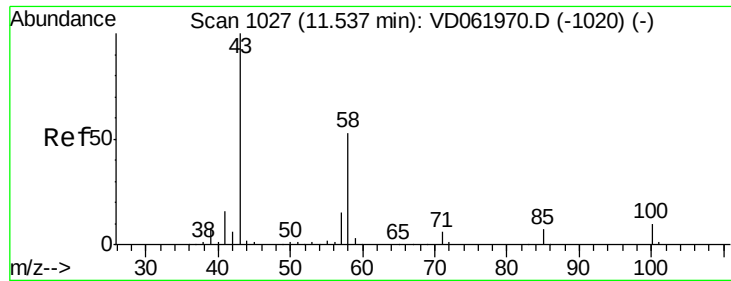
MMDadoda
 5/2/2019 7:23:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.964 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.03 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Tgt Ion: 63 Resp: 28296
 Ion Ratio Lower Upper
 63 100
 106 41.8 22.6 34.0#





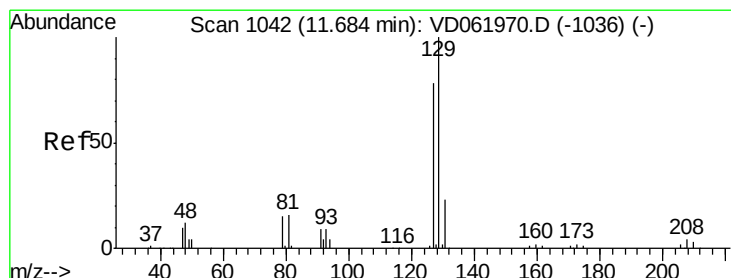
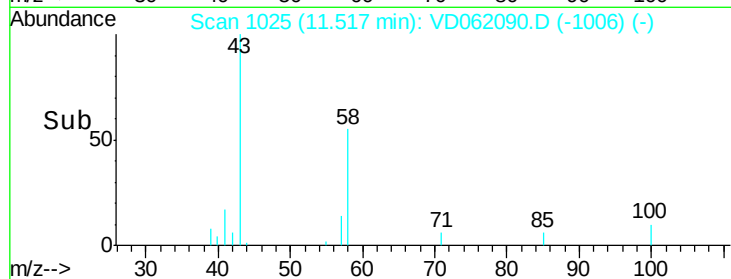
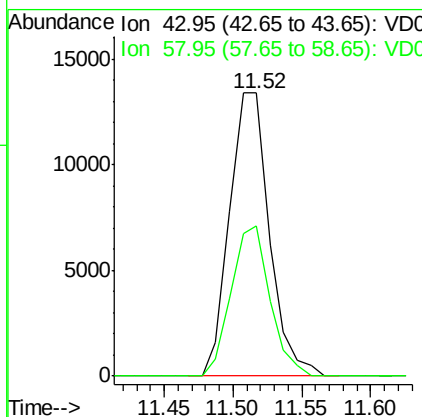
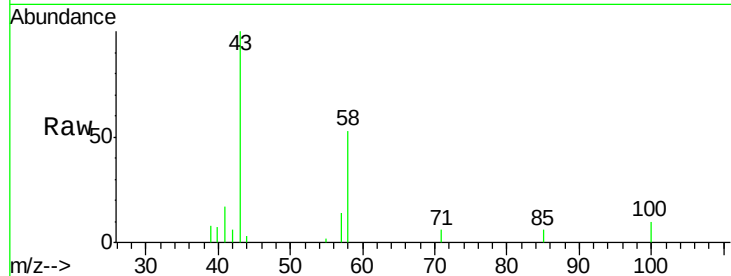
#59
2-Hexanone
Concen: 12.723 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 43 Resp: 26987
Ion Ratio Lower Upper
43 100
58 53.0 25.4 76.4

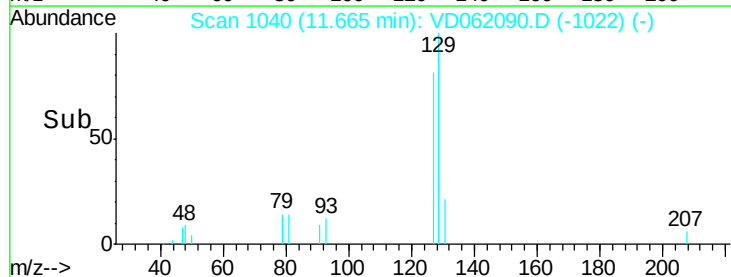
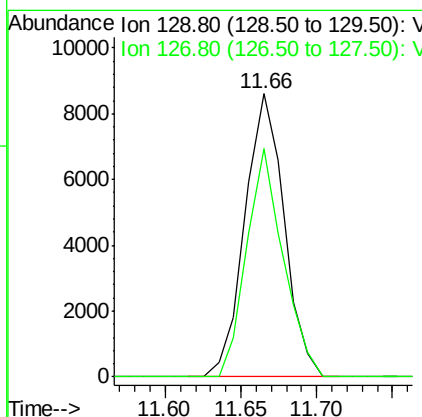
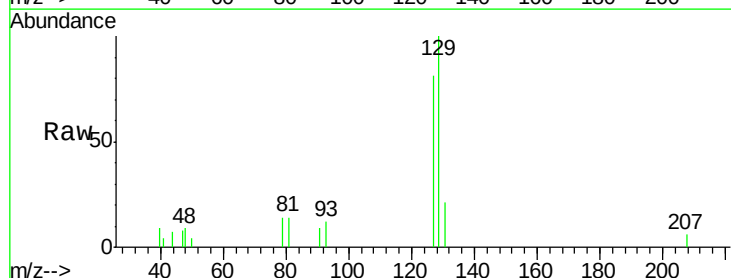
Manual Integrations
APPROVED

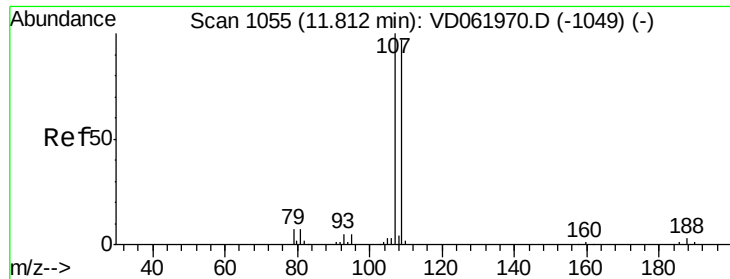
MMDadoda
5/2/2019 7:23:33 AM



#60
Dibromochloromethane
Concen: 2.391 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.02 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion: 129 Resp: 15571
Ion Ratio Lower Upper
129 100
127 80.8 38.0 113.9





#61

1,2-Dibromoethane

Concen: 2.649 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 107 Resp: 12366

Ion Ratio Lower Upper

107 100

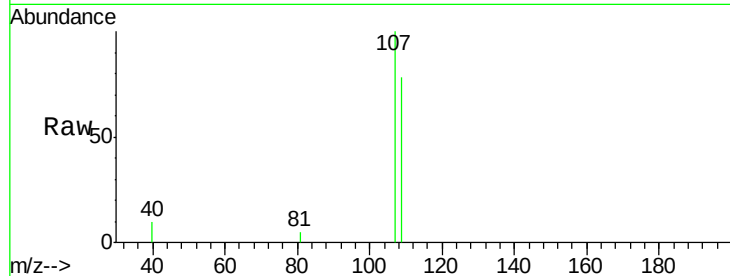
109 77.8 78.3 117.5#

Manual Integrations

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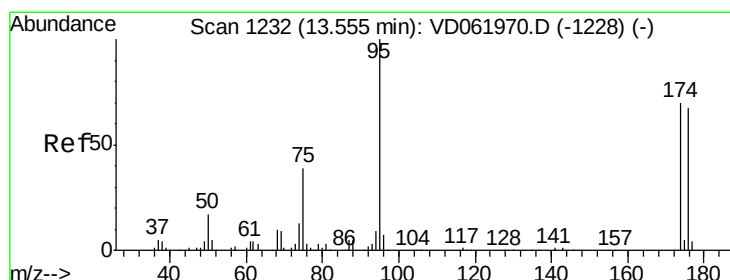
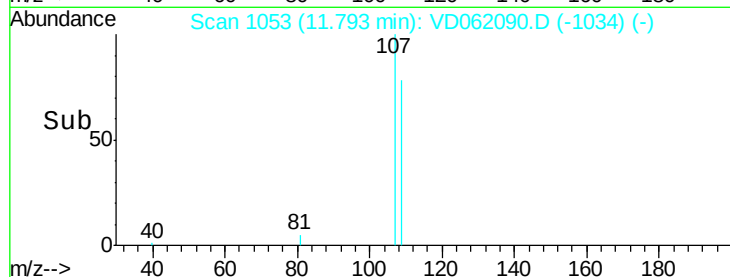
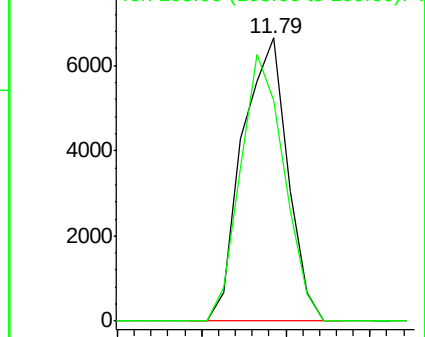
MMDadoda

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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: 49.153 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

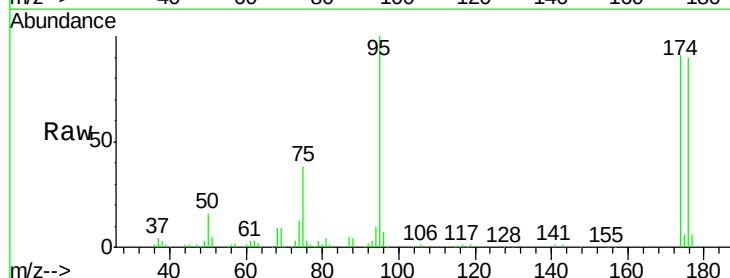
Tgt Ion: 95 Resp: 309218

Ion Ratio Lower Upper

95 100

174 91.3 0.0 181.8

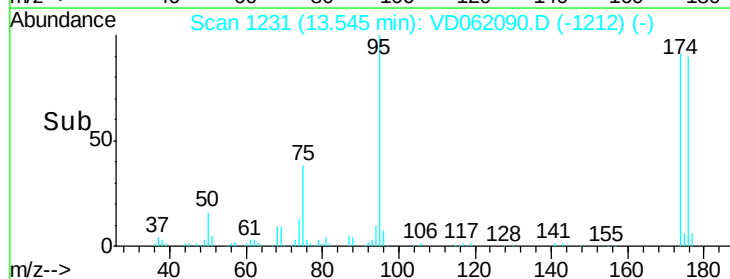
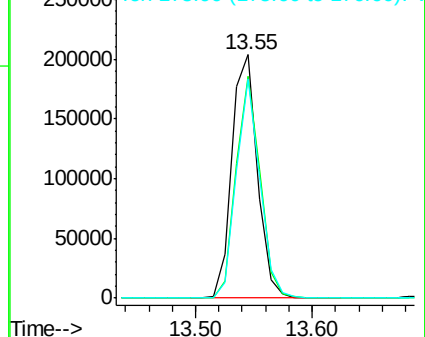
176 90.0 0.0 174.4

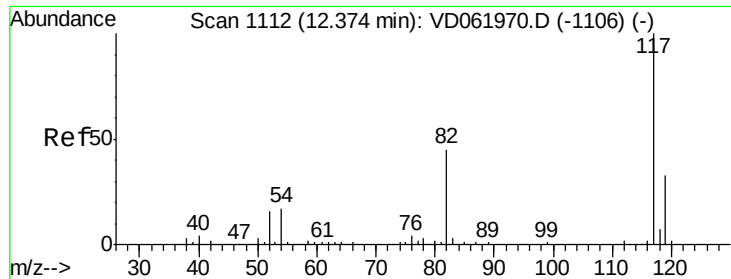


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





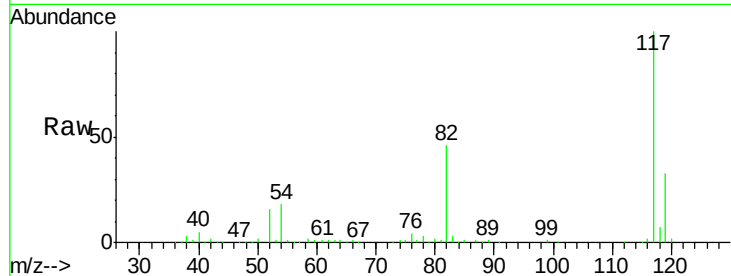
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

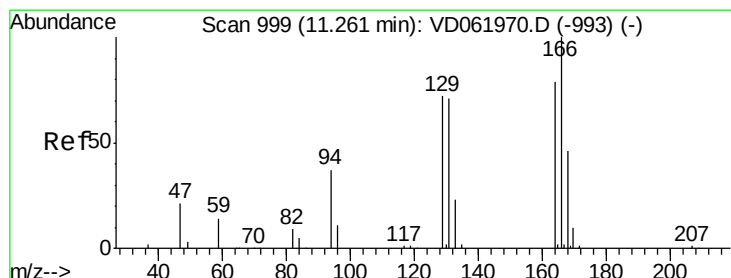
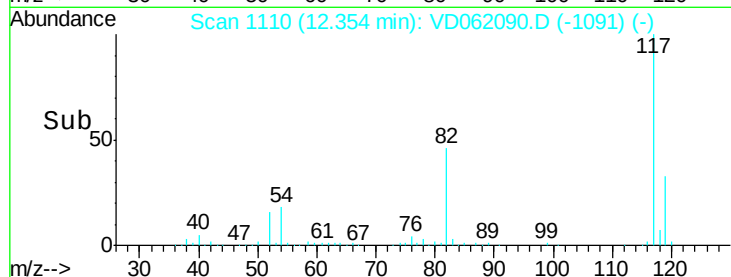
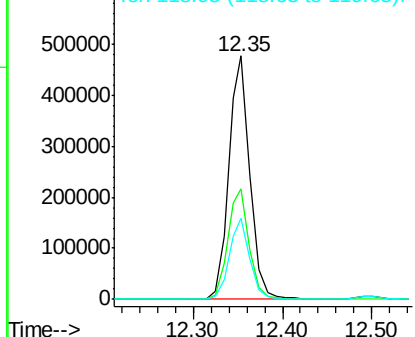
Tot Ion	Ratio	Lower	Upper
117	100		
82	45.5	36.2	54.2
119	33.3	26.2	39.4

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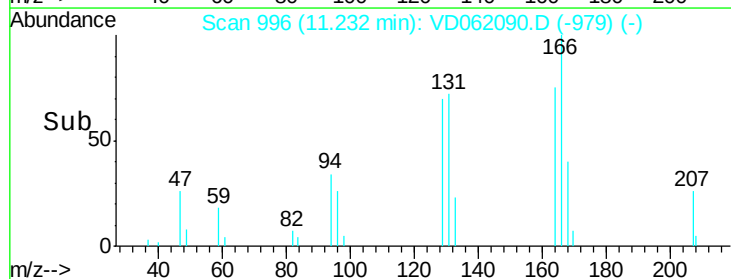
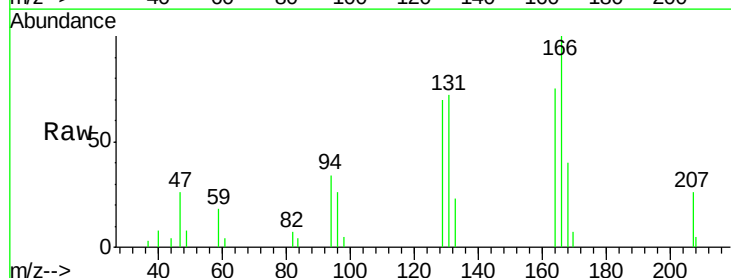
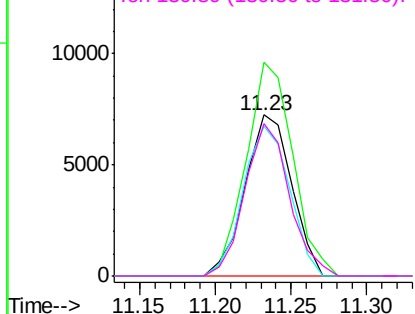
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

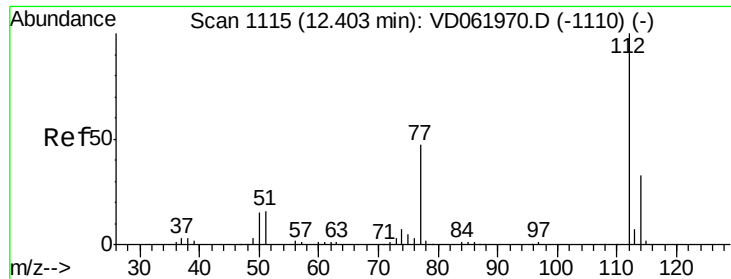


#64
Tetrachloroethene
Concen: 2.759 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.03 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.8	101.5	152.3
129	93.0	74.6	112.0
131	95.1	72.6	108.8

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





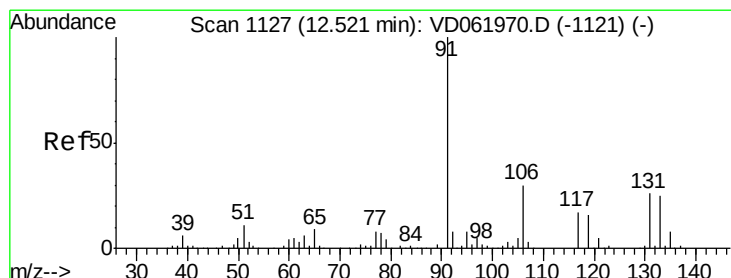
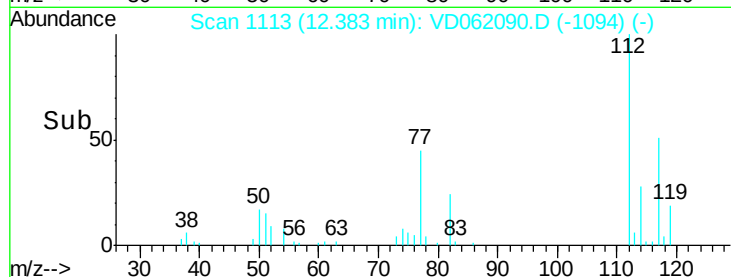
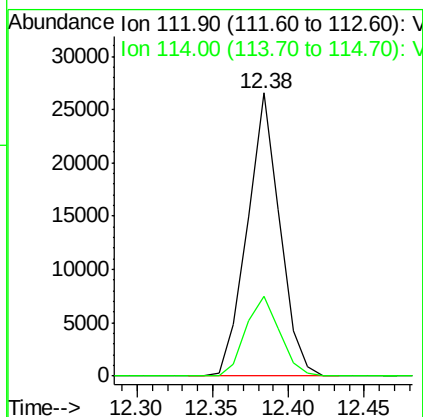
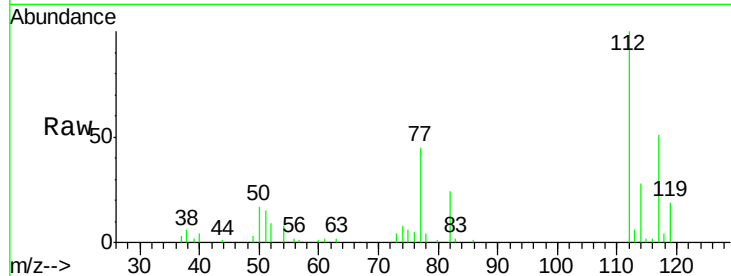
#65
Chlorobenzene
Concen: 2.664 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion:112 Resp: 39960
Ion Ratio Lower Upper
112 100
114 28.2 25.8 38.8

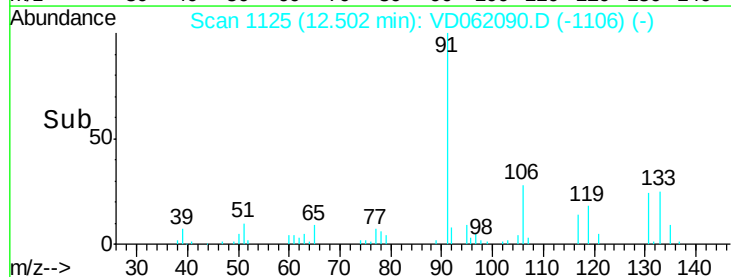
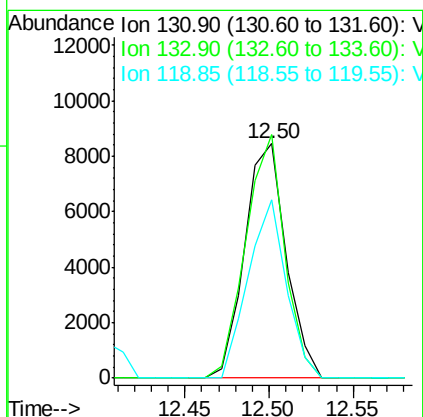
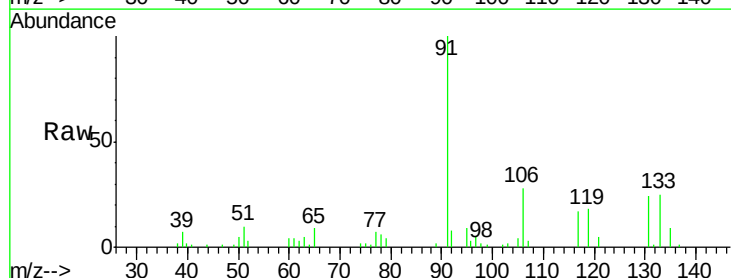
Manual Integrations
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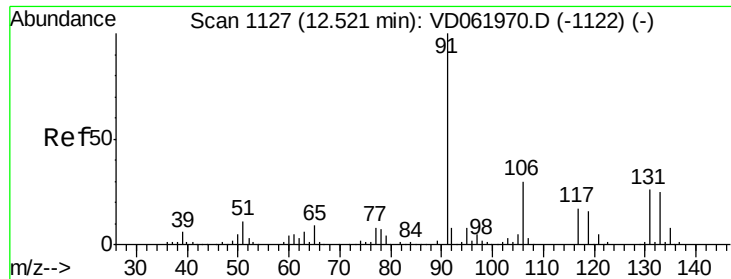
MMDadoda
5/2/2019 7:23:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 2.266 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion:131 Resp: 14416
Ion Ratio Lower Upper
131 100
133 103.9 48.6 145.8
119 76.3 34.7 104.1





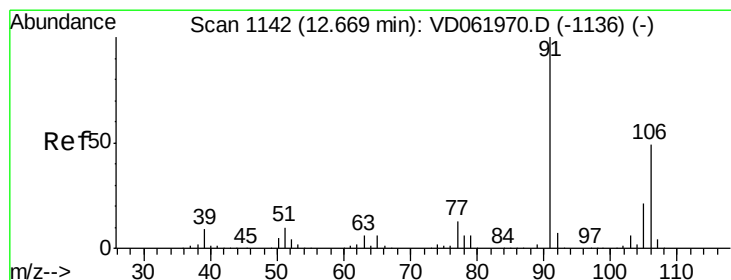
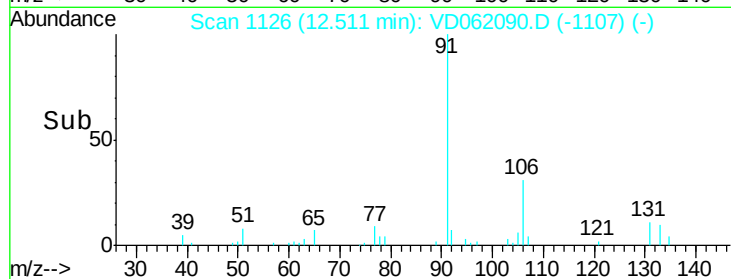
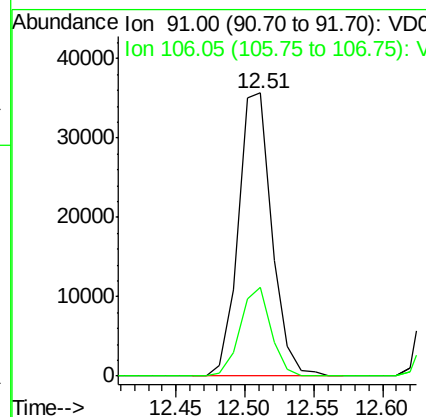
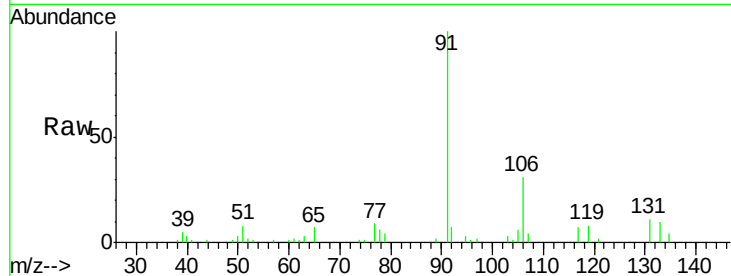
#67
Ethyl Benzene
Concen: 2.472 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 91 Resp: 60499
Ion Ratio Lower Upper
91 100
106 31.5 24.7 37.1

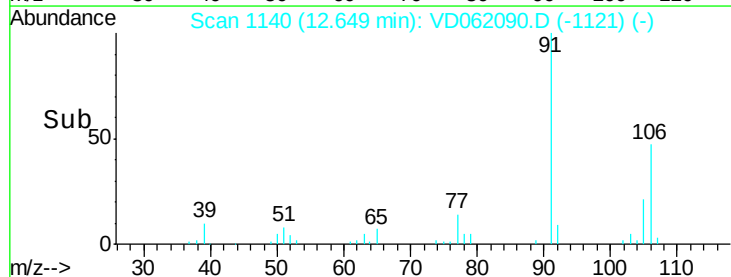
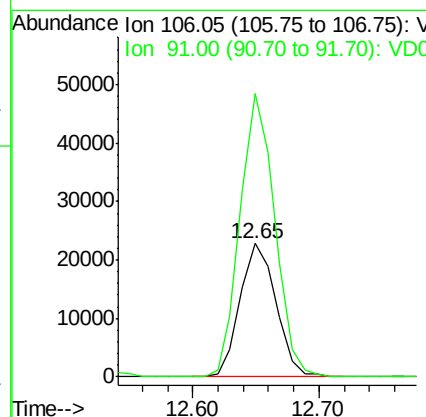
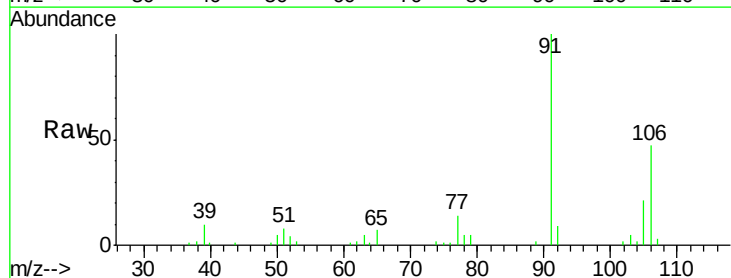
Manual Integrations
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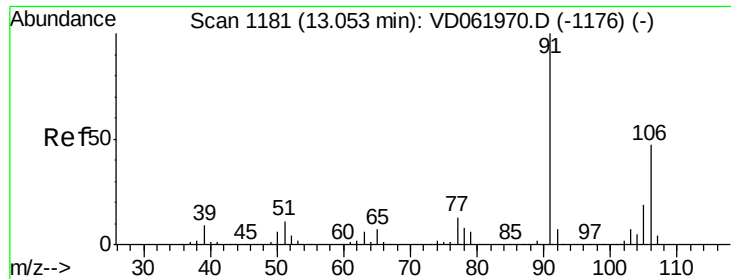
MMDadoda
5/2/2019 7:23:33 AM



#68
m/p-Xylenes
Concen: 5.085 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion: 106 Resp: 44992
Ion Ratio Lower Upper
106 100
91 212.4 164.0 246.0





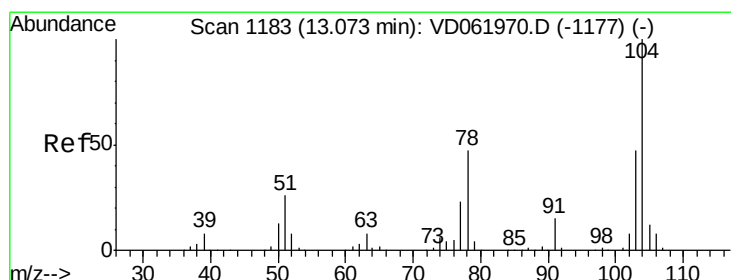
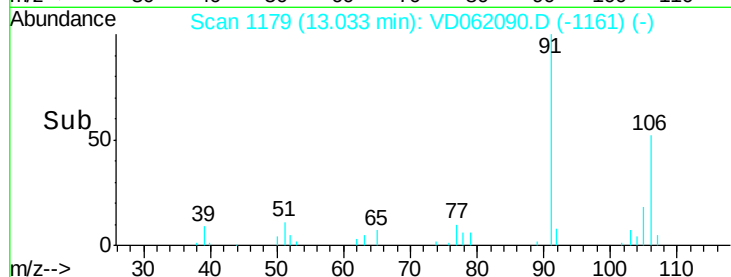
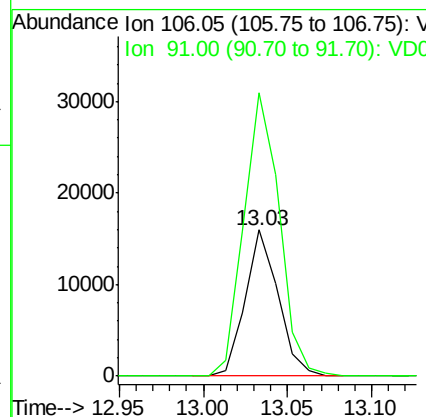
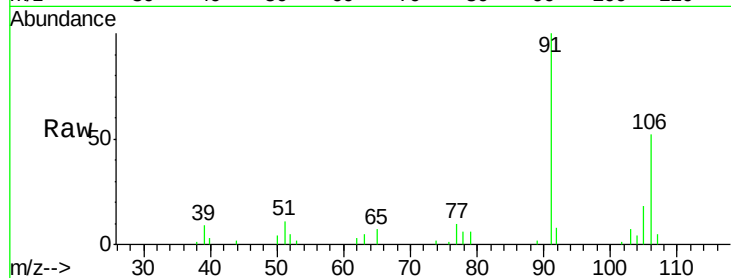
#69
o-Xylene
Concen: 2.658 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.02 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion:106 Resp: 21516
Ion Ratio Lower Upper
106 100
91 194.1 106.7 319.9

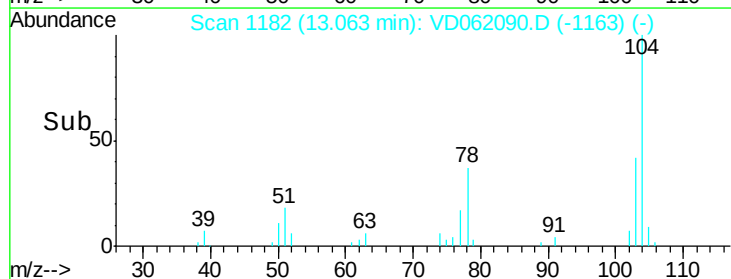
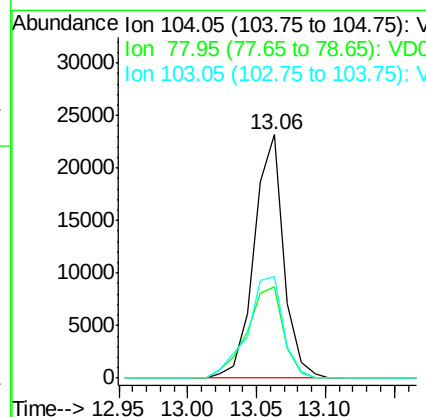
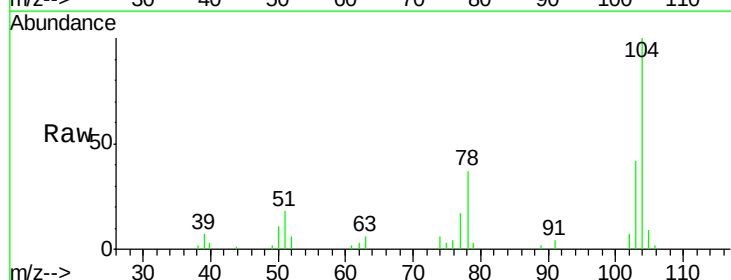
Manual Integrations
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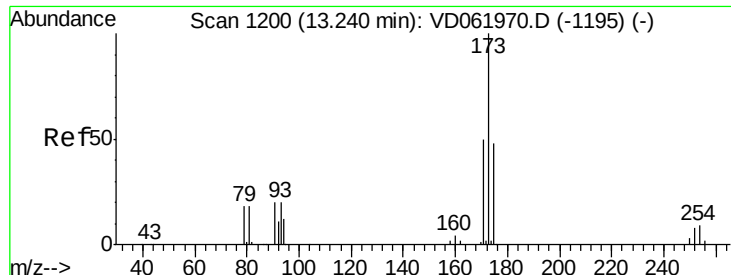
MMDadoda
5/2/2019 7:23:33 AM



#70
Styrene
Concen: 2.478 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion:104 Resp: 34633
Ion Ratio Lower Upper
104 100
78 37.4 35.4 53.2
103 41.8 37.5 56.3





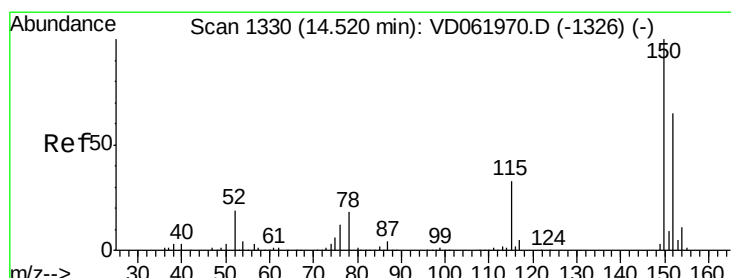
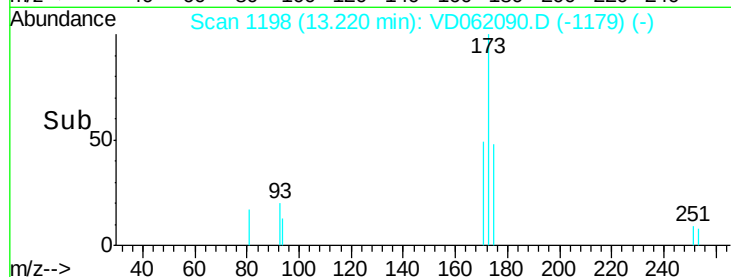
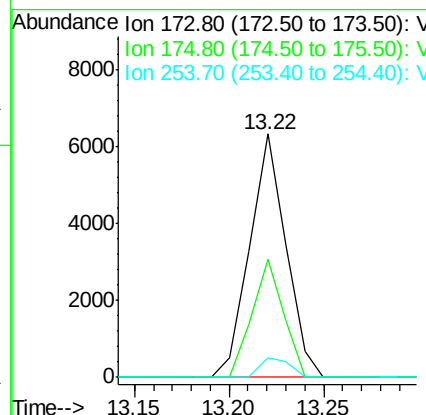
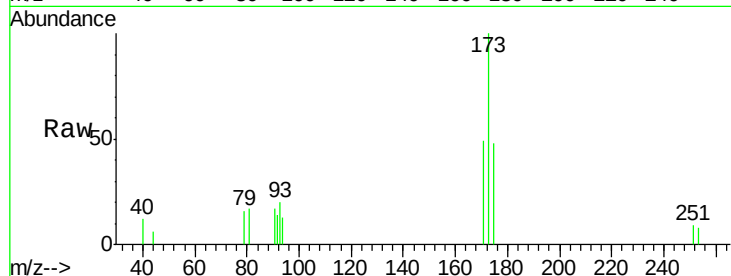
#71
Bromoform
Concen: 2.316 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. -0.01 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.4
254	7.8	5.4	8.2

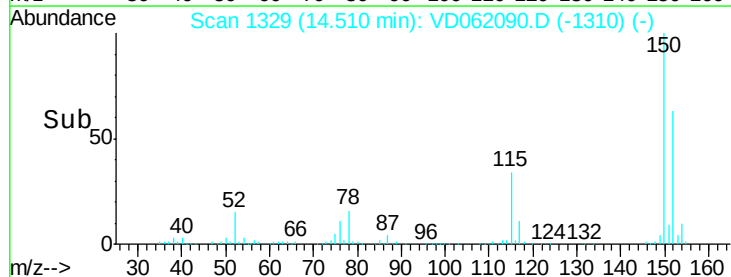
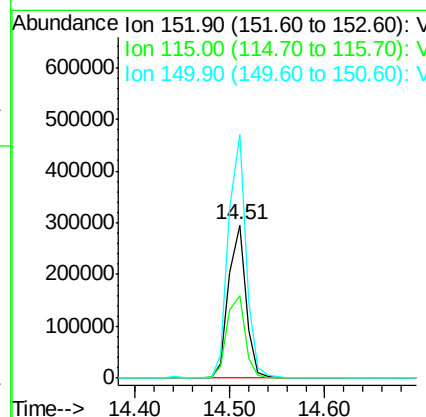
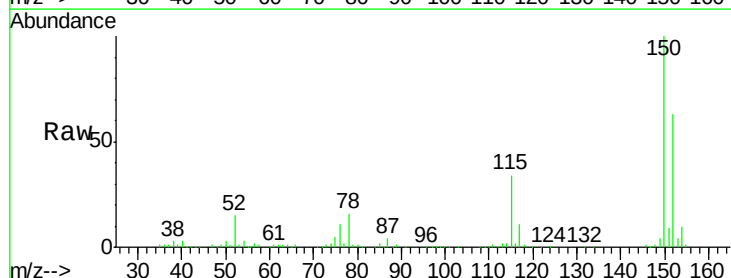
Manual Integrations
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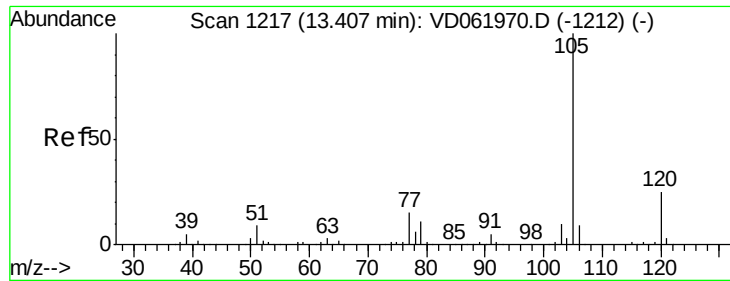
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	30.9	92.7
150	158.9	0.0	314.8





#73

Isopropylbenzene

Concen: 2.523 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 105 Resp: 63571

Ion Ratio Lower Upper

105 100

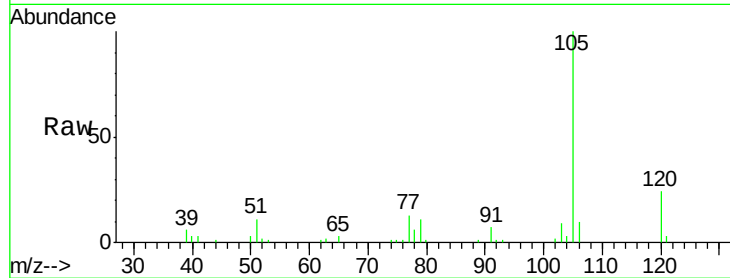
120 23.8 12.0 36.1

Manual Integrations

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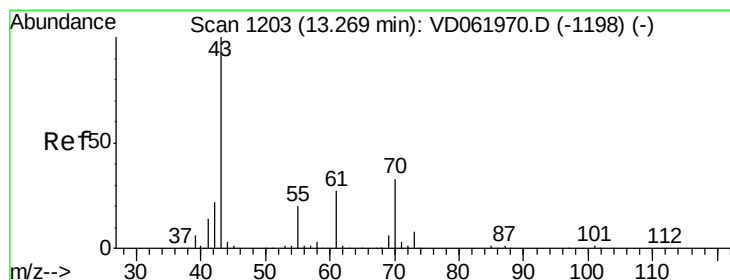
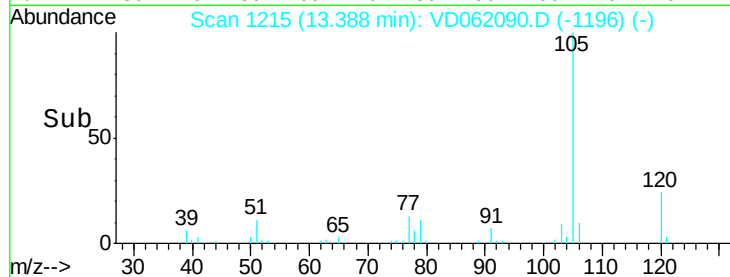
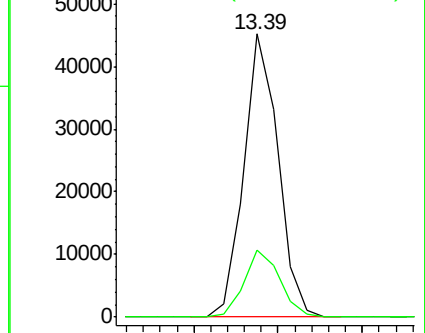
MMDadoda

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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: 2.123 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Tgt Ion: 43 Resp: 13774

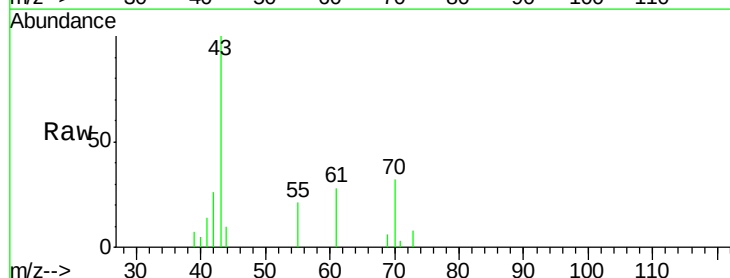
Ion Ratio Lower Upper

43 100

70 32.3 24.2 36.4

55 21.1 16.0 24.0

61 27.8 21.6 32.4

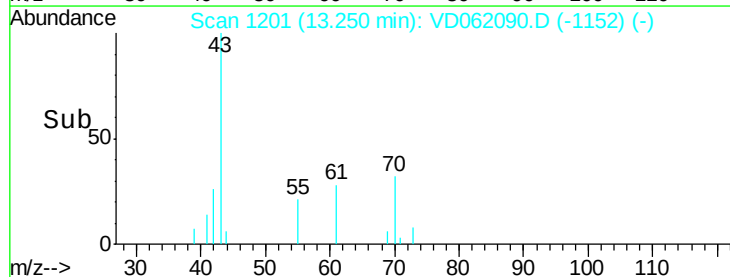
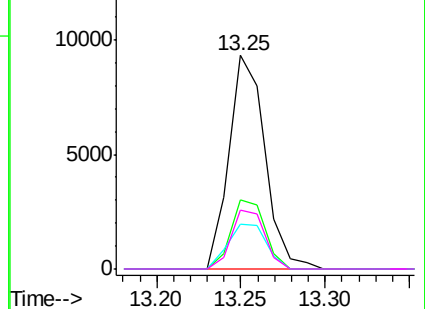


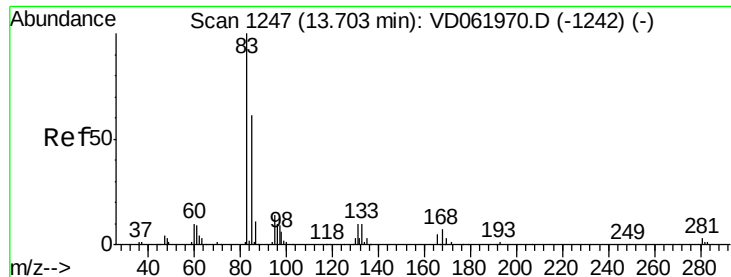
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 2.195 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

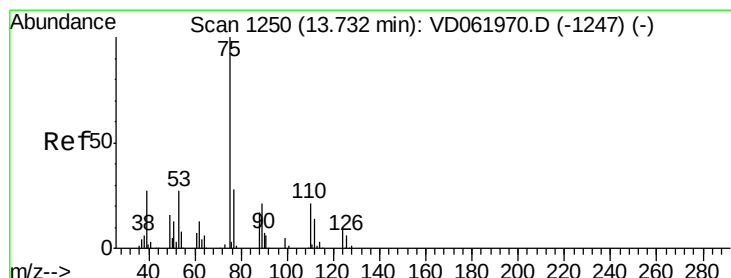
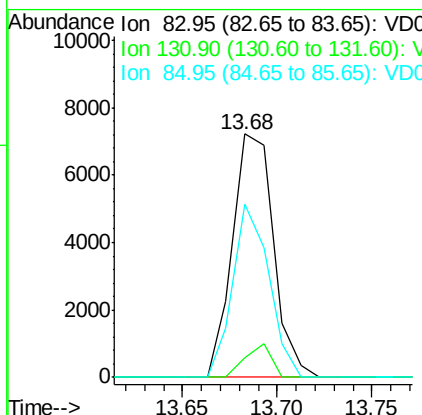
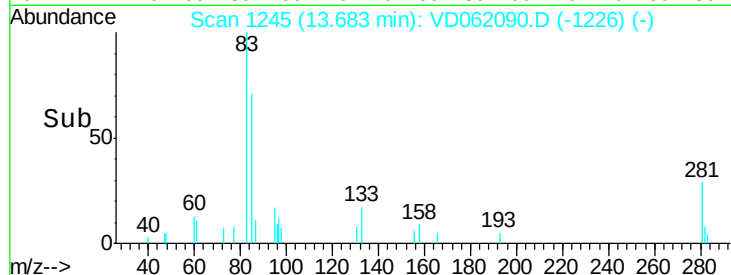
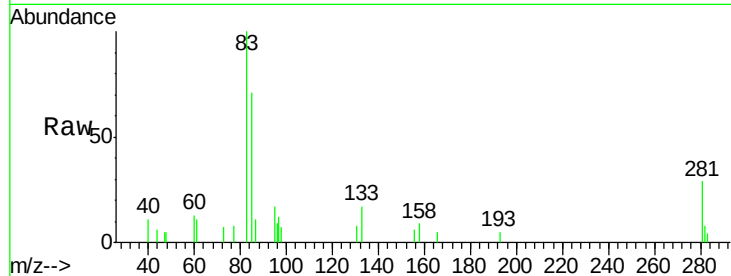
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	83	Resp:	10838
Ion Ratio	Lower	Upper	
83	100		
131	8.1	5.0	14.9
85	71.4	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 2.415 ug/l

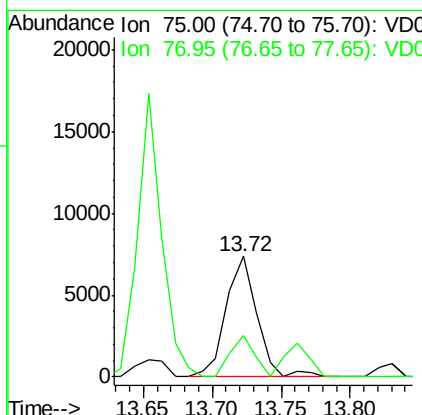
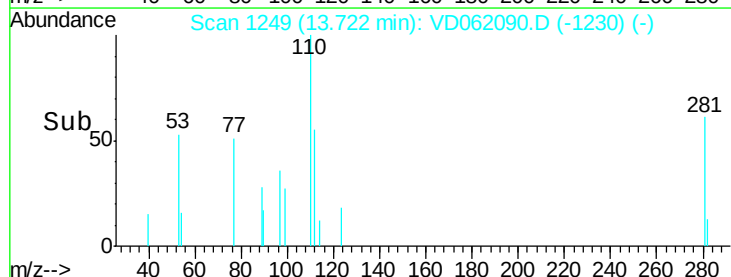
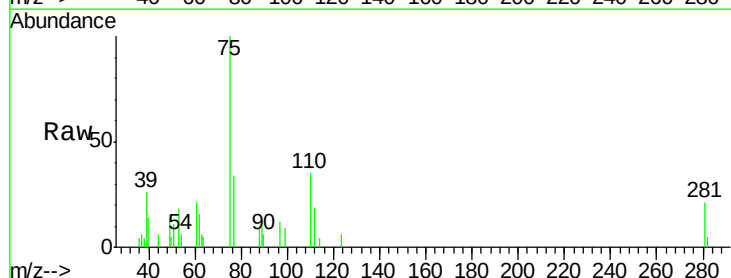
RT: 13.72 min Scan# 1249

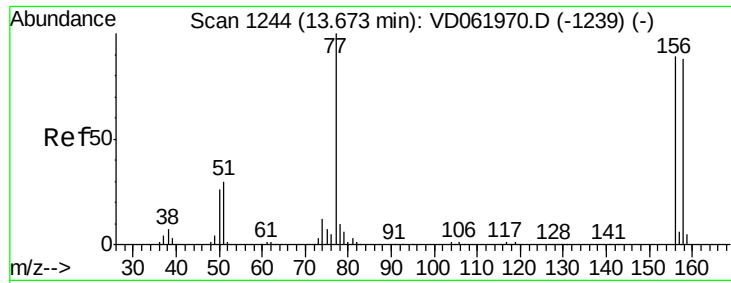
Delta R.T. -0.01 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Tgt Ion:	75	Resp:	11581
Ion Ratio	Lower	Upper	
75	100		
77	34.2	16.4	49.4





#77

Bromobenzene

Concen: 2.503 ug/l

RT: 13.65 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Instrument :

MSVOA_D

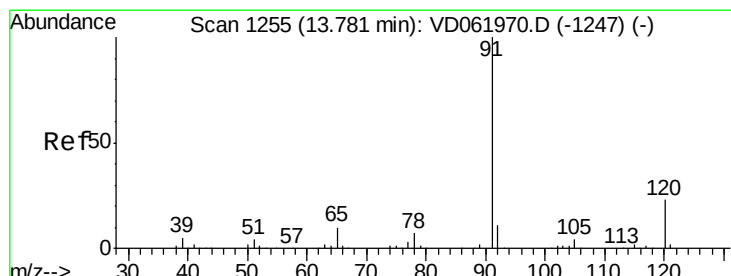
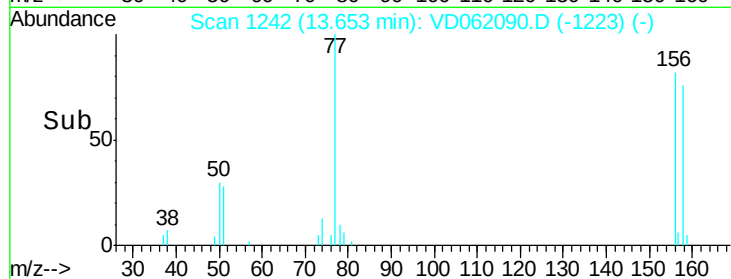
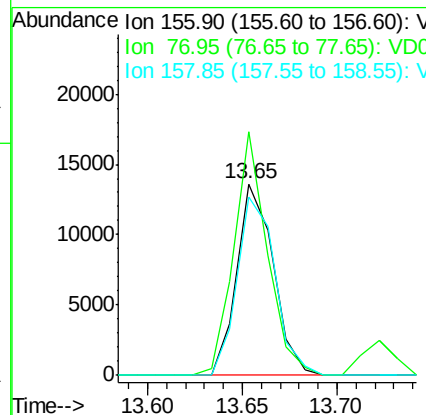
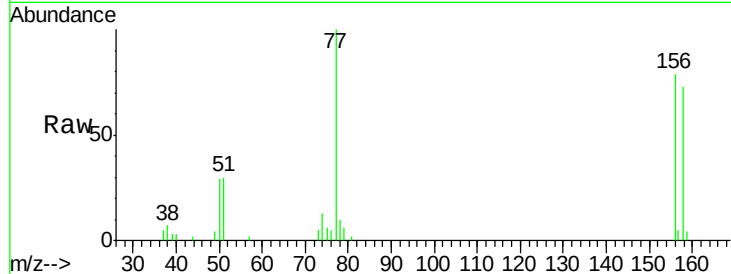
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		18086		
77	127.1	53.1	159.4		
158	93.3	49.4	148.0		

Manual Integrations
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#78

n-propylbenzene

Concen: 2.612 ug/l

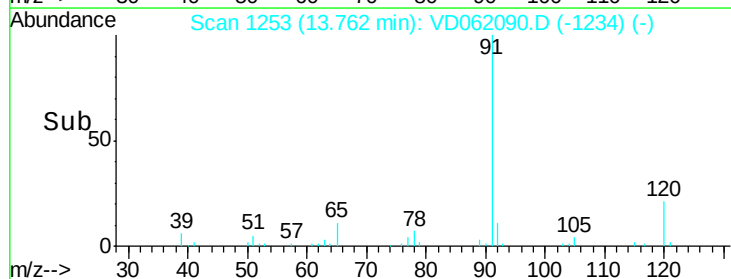
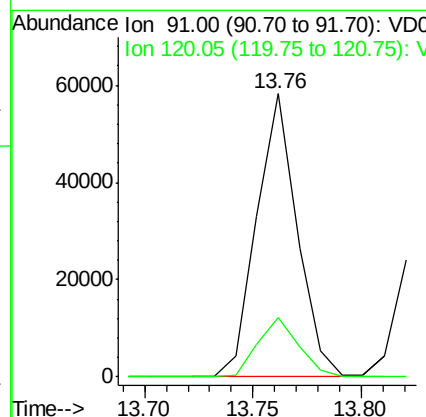
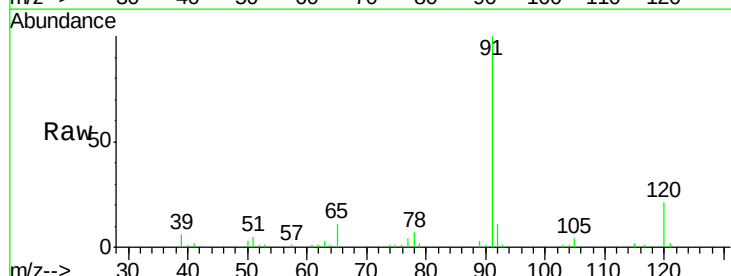
RT: 13.76 min Scan# 1253

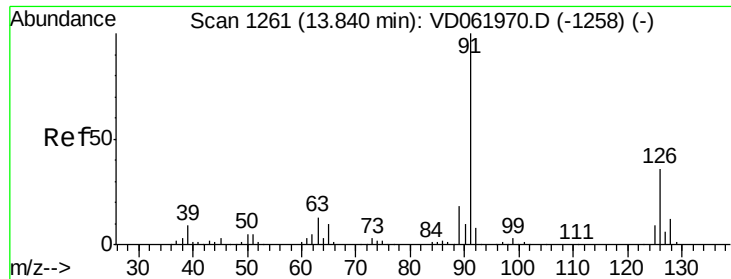
Delta R.T. -0.01 min

Lab File: VD062090.D

Acq: 30 Apr 2019 16:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		75333		
120	20.9	11.1	33.1		





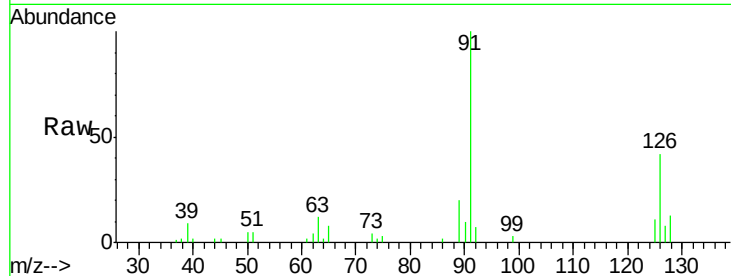
#79
 2-Chlorotoluene
 Concen: 2.207 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

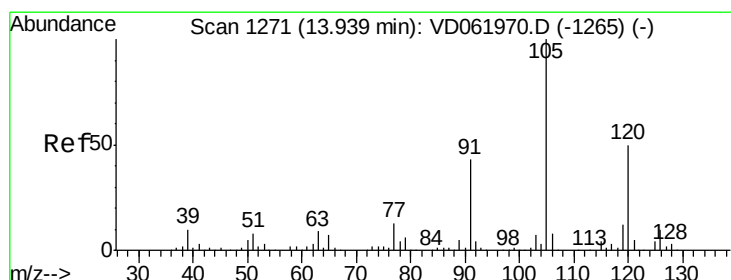
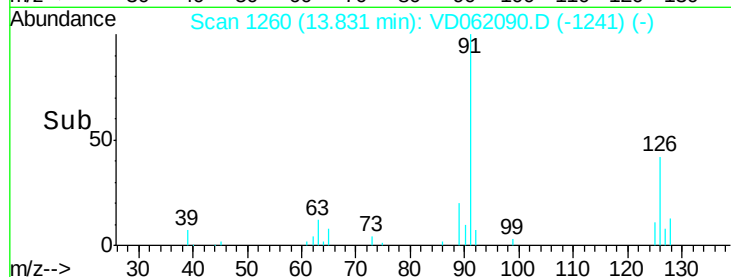
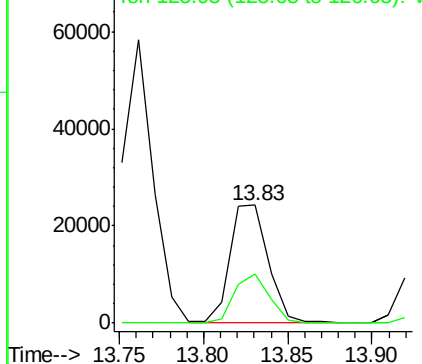
Tot Ion: 91 Resp: 38553
 Ion Ratio Lower Upper
 91 100
 126 41.5 18.6 55.8

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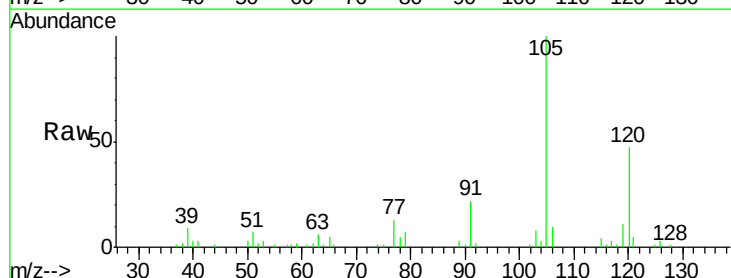


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

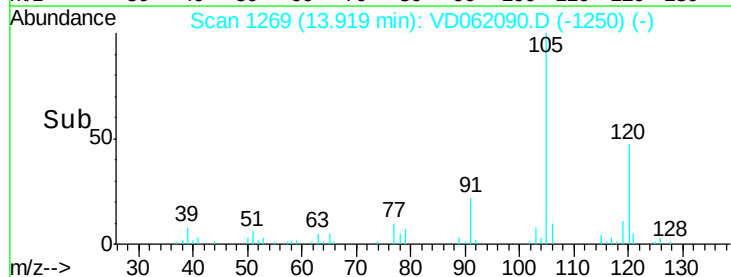
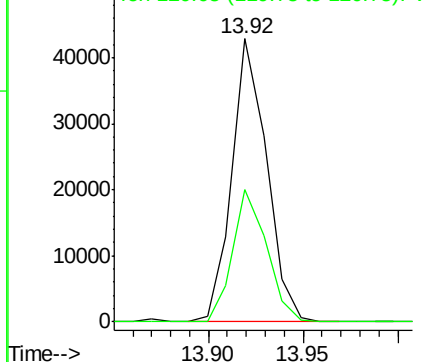


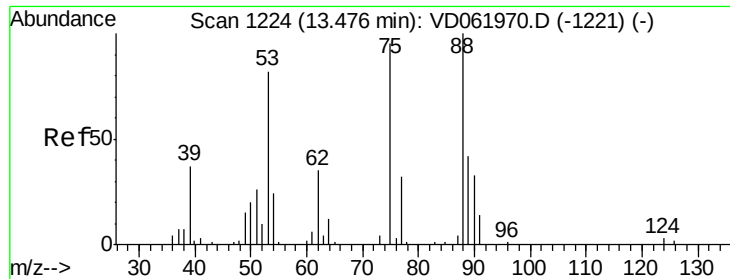
#80
 1,3,5-Trimethylbenzene
 Concen: 2.700 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Tgt Ion: 105 Resp: 54228
 Ion Ratio Lower Upper
 105 100
 120 46.7 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)
 Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)





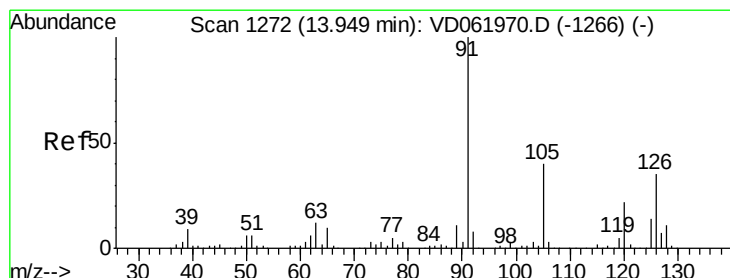
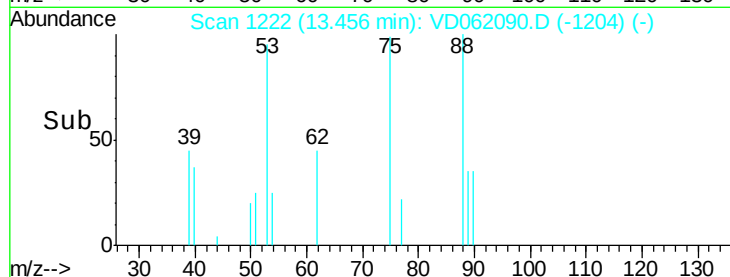
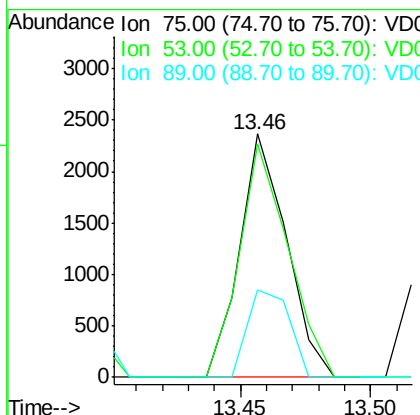
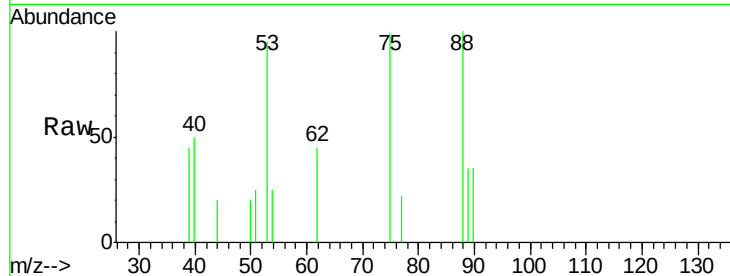
#81
trans-1,4-Dichloro-2-butene
Concen: 2.038 ug/l m
RT: 13.46 min Scan# 1222
Delta R.T. -0.02 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.1	65.8	98.8
89	35.8	35.0	52.6

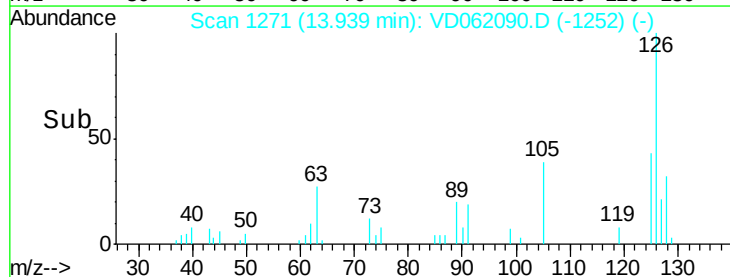
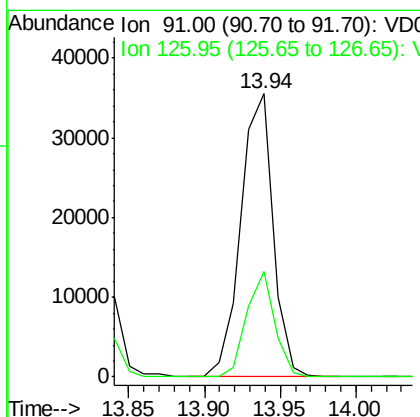
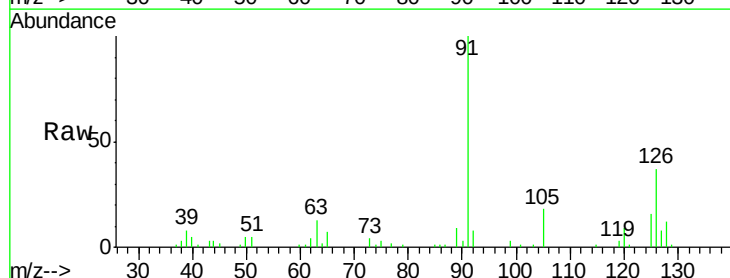
Manual Integrations
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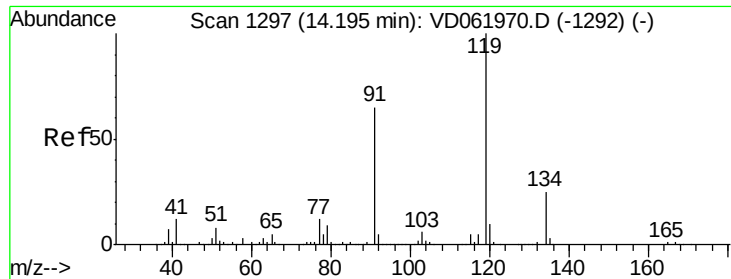
MMDadoda
5/2/2019 7:23:33 AM



#82
4-Chlorotoluene
Concen: 2.737 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.2	19.1	57.5





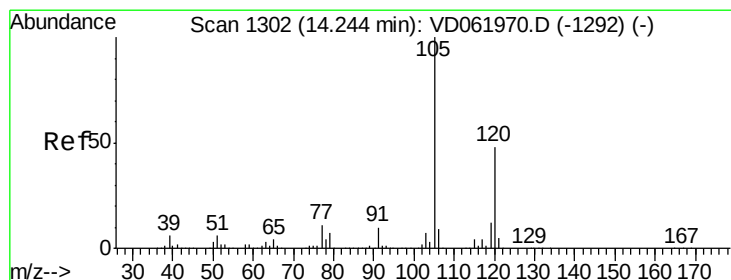
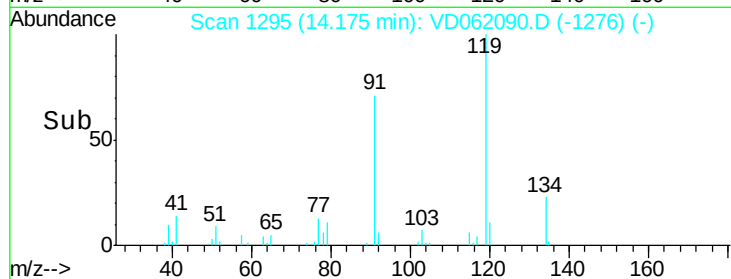
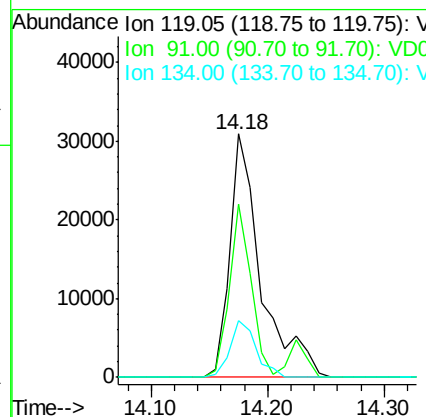
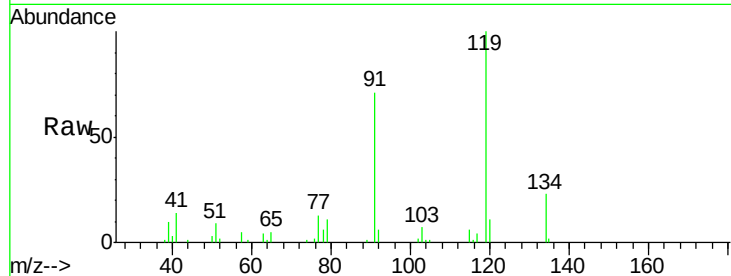
#83
 tert-Butylbenzene
 Concen: 2.463 ug/l
 RT: 14.18 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.0	34.2	102.6
134	23.2	12.0	36.0

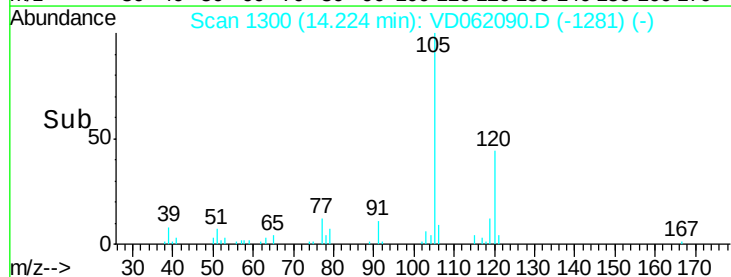
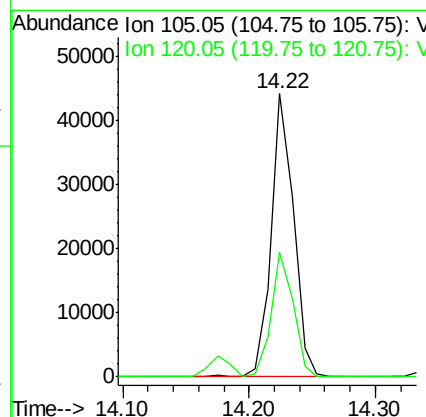
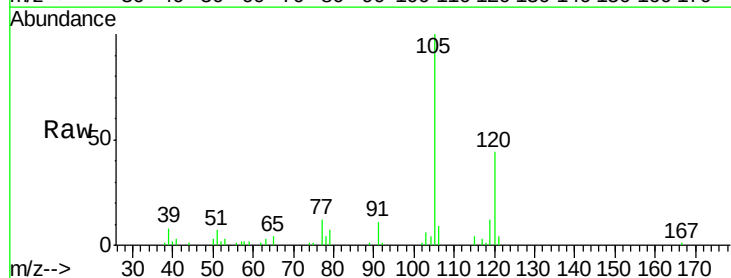
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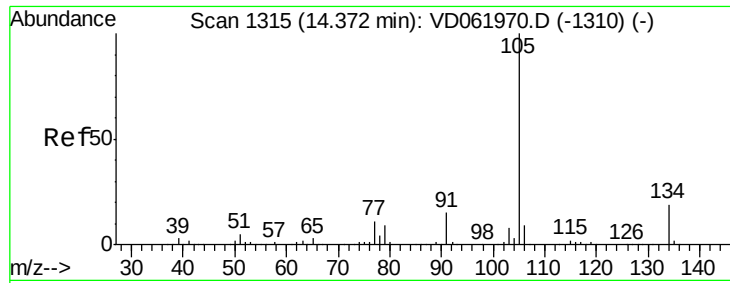
MMDadoda
 5/2/2019 7:23:33 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 2.847 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	23.1	69.2





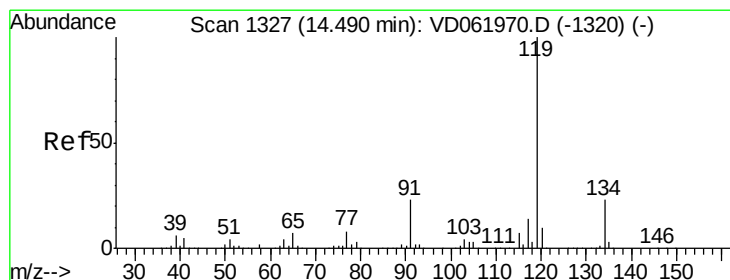
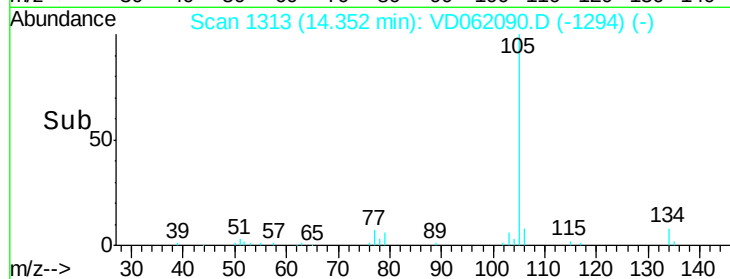
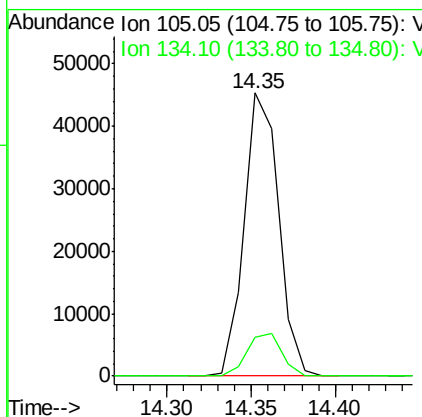
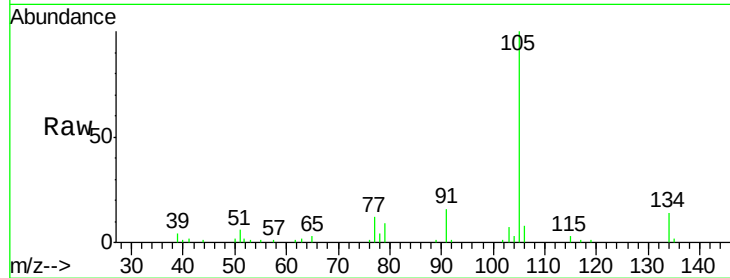
#85
 sec-Butylbenzene
 Concen: 2.562 ug/l
 RT: 14.35 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion:105 Resp: 64428
 Ion Ratio Lower Upper
 105 100
 134 13.8 8.9 26.7

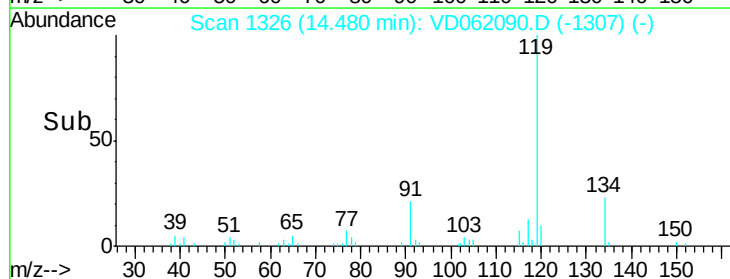
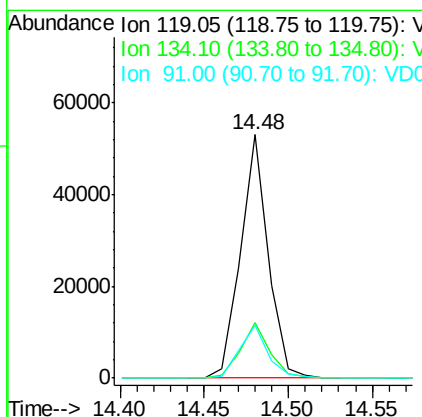
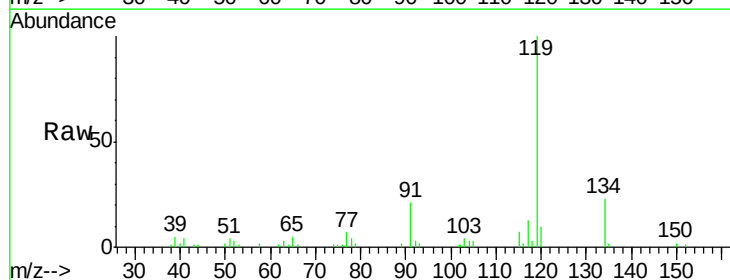
Manual Integrations
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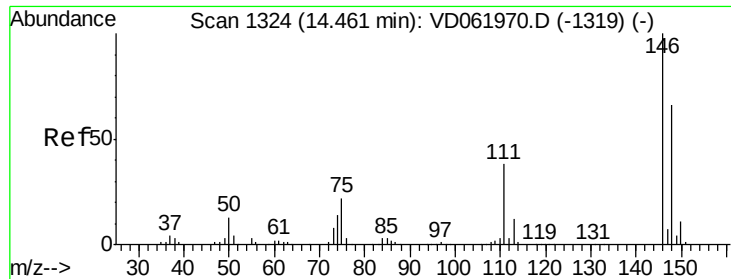
MMDadoda
 5/2/2019 7:23:33 AM



#86
 p-Isopropyltoluene
 Concen: 2.672 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Tgt Ion:119 Resp: 60135
 Ion Ratio Lower Upper
 119 100
 134 22.6 12.8 38.3
 91 21.5 10.7 32.1





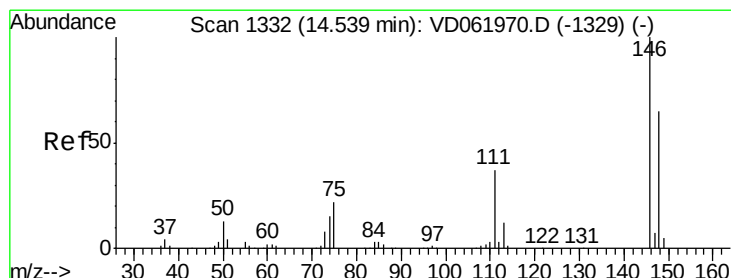
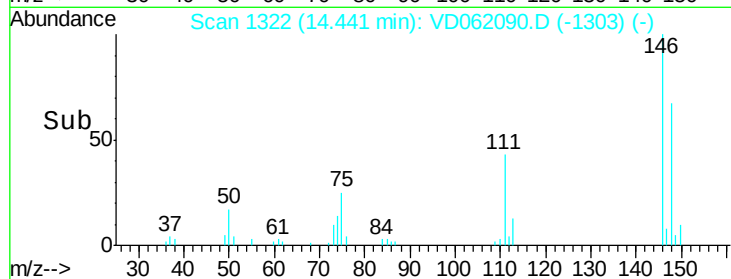
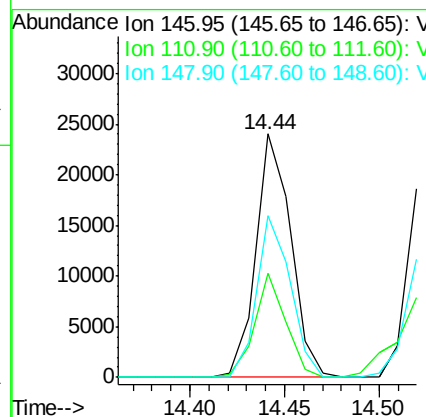
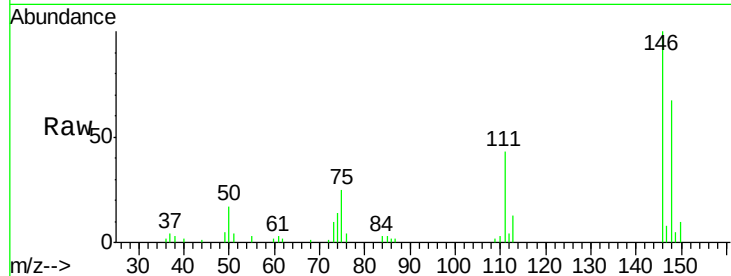
#87
 1,3-Dichlorobenzene
 Concen: 2.437 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.0	60.0
148	66.5	31.8	95.4

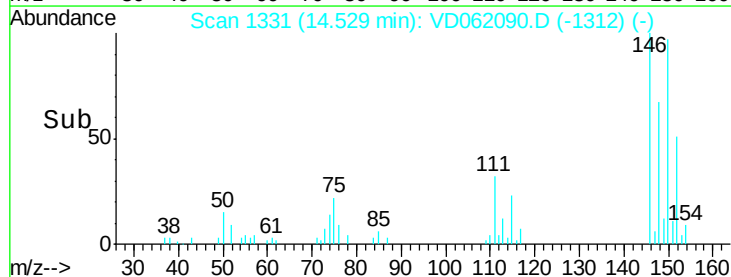
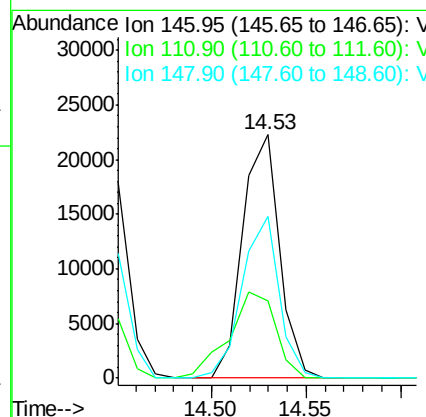
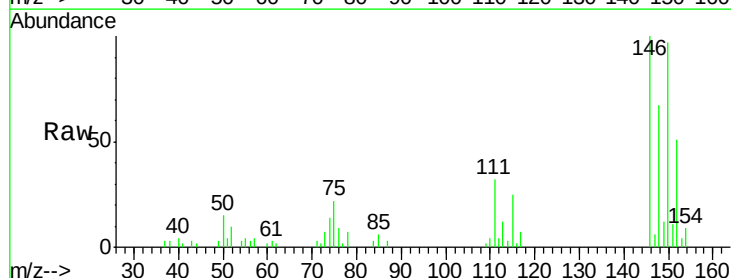
Manual Integrations
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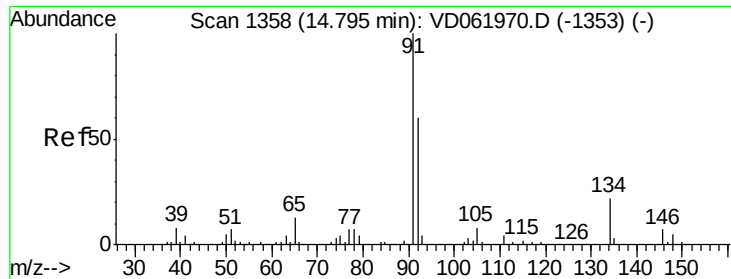
MMDadoda
 5/2/2019 7:23:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 2.536 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.9	20.2	60.5
148	66.6	32.0	96.2





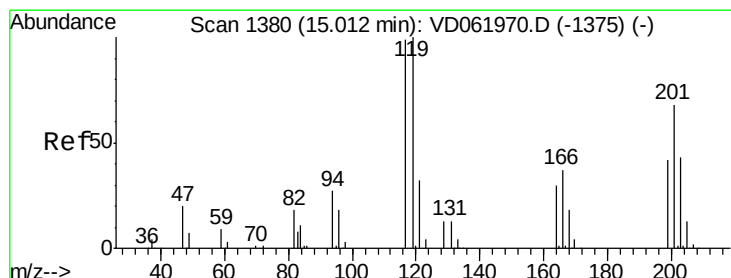
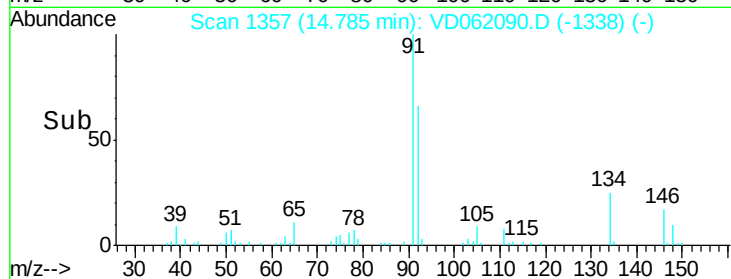
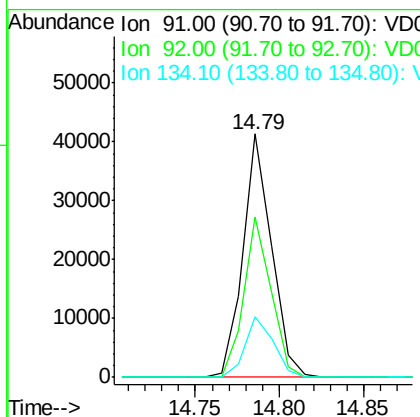
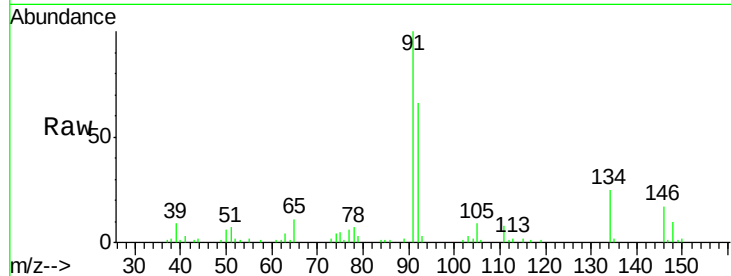
#89
n-Butylbenzene
Concen: 2.406 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
91	100	48611		
92	65.7		30.3	91.0
134	24.9		14.5	43.6

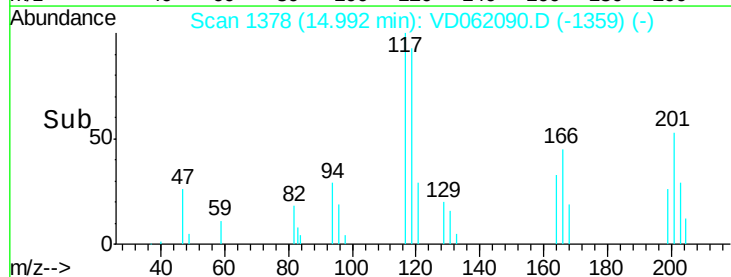
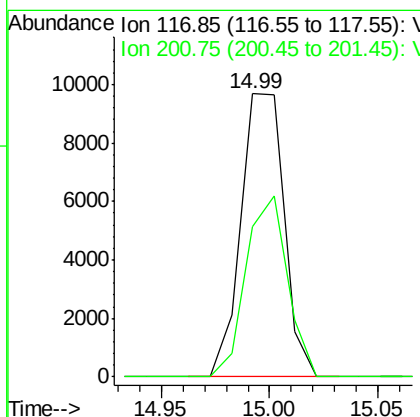
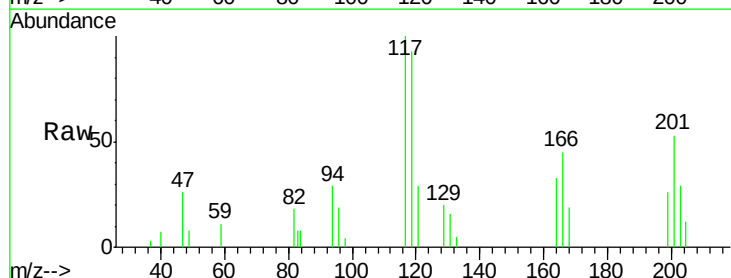
Manual Integrations
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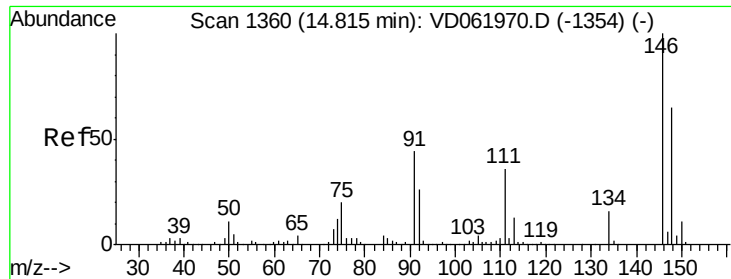
MMDadoda
5/2/2019 7:23:33 AM



#90
Hexachloroethane
Concen: 2.234 ug/l
RT: 14.99 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	13594		
201	53.3		30.2	90.6





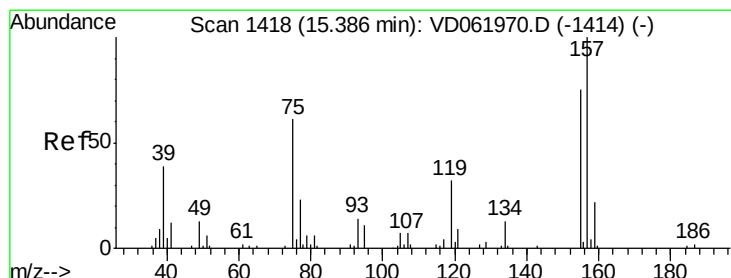
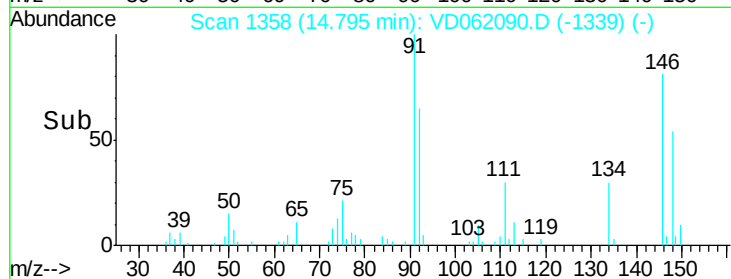
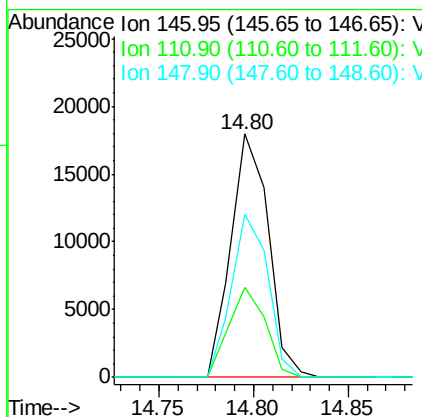
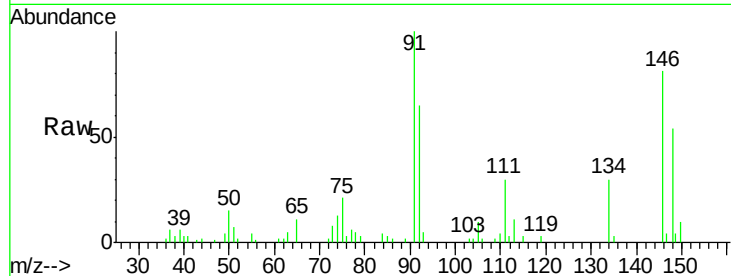
#91
 1,2-Dichlorobenzene
 Concen: 2.347 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	20.0	59.9
148	63.7	32.3	96.8

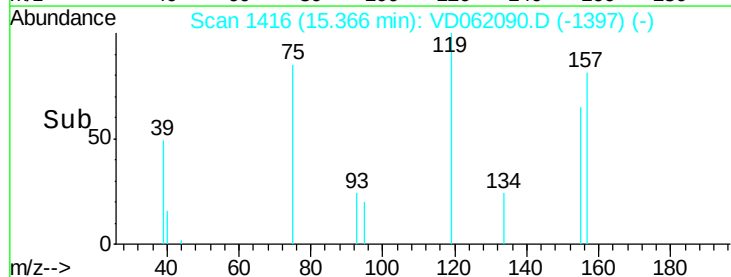
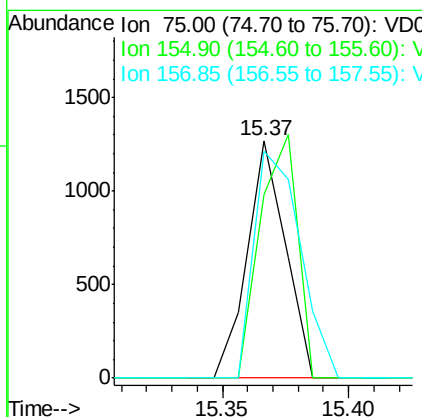
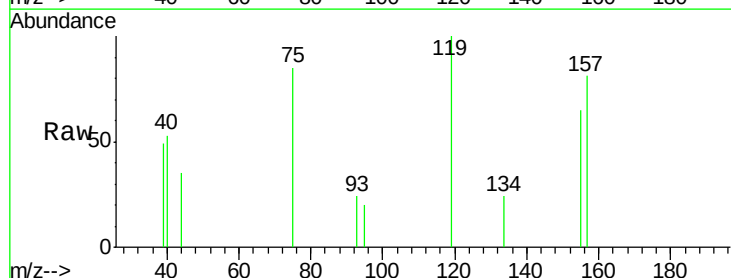
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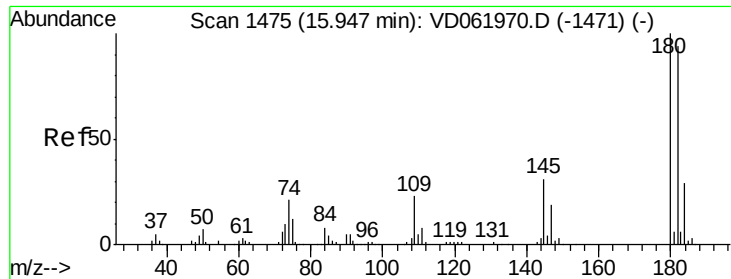
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.040 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	55.3	165.8
157	95.3	67.8	203.2





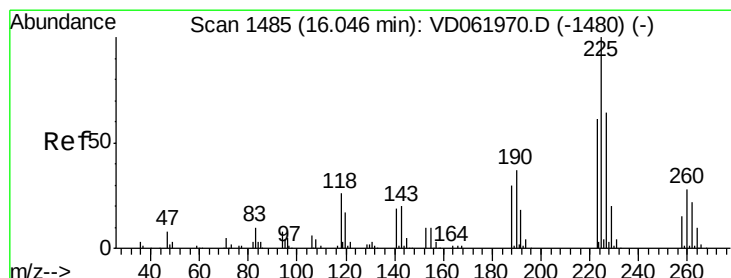
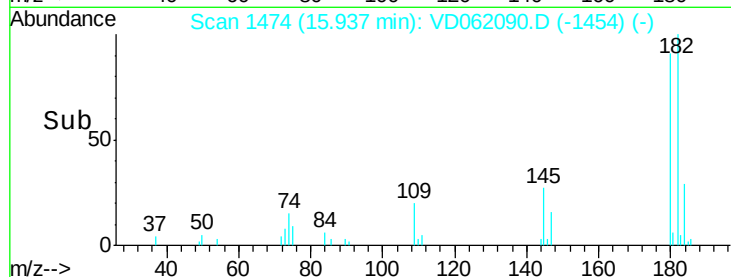
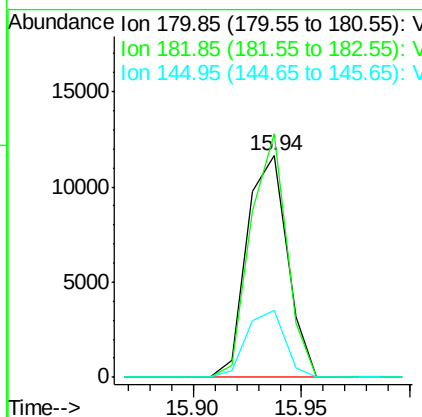
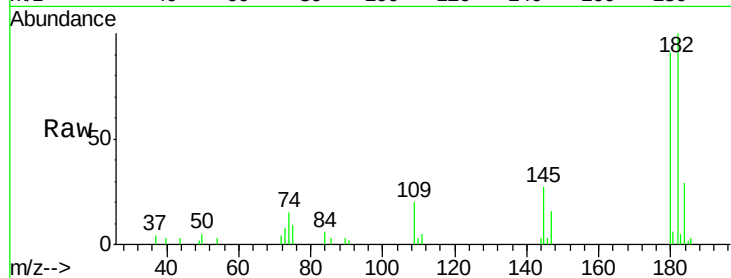
#93
 1,2,4-Trichlorobenzene
 Concen: 2.669 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
180	100	15035		
182	109.9	49.3	147.8	
145	30.0	16.2	48.6	

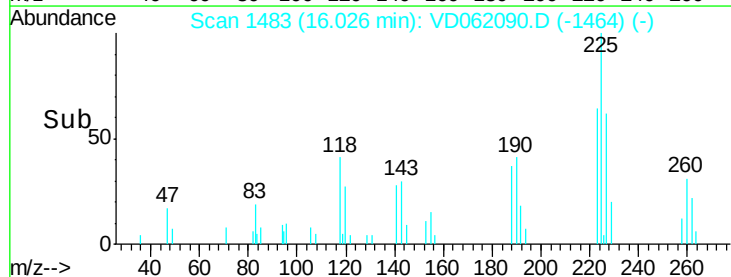
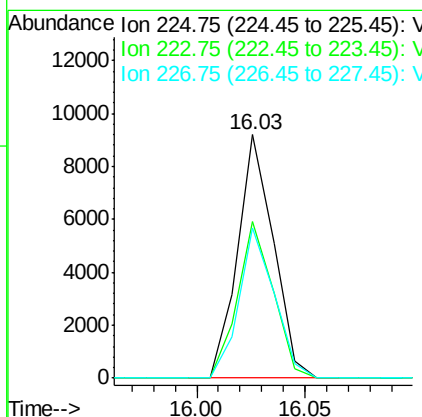
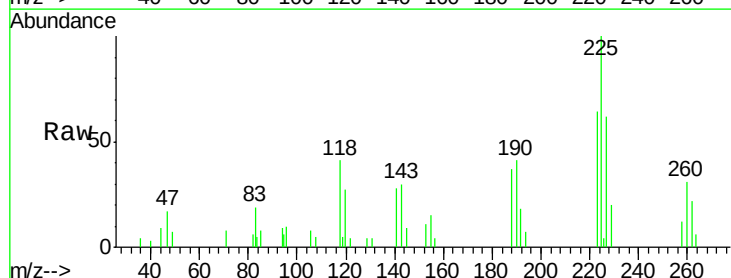
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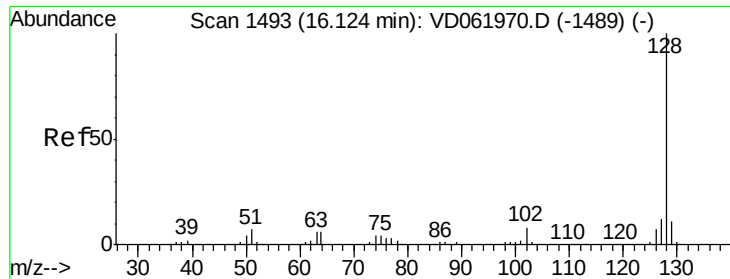
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#94
 Hexachlorobutadiene
 Concen: 2.571 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062090.D
 Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	10719		
223	64.3	30.6	92.0	
227	61.8	32.0	96.2	





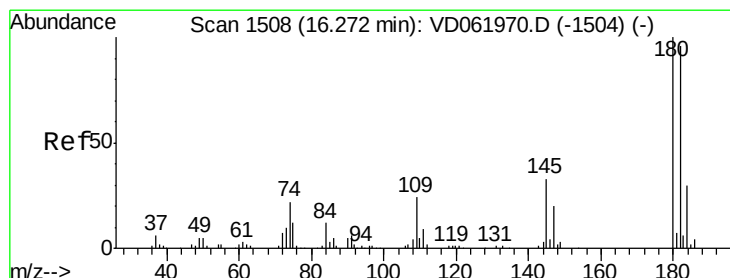
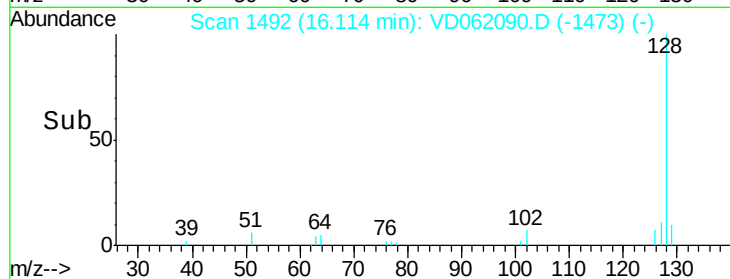
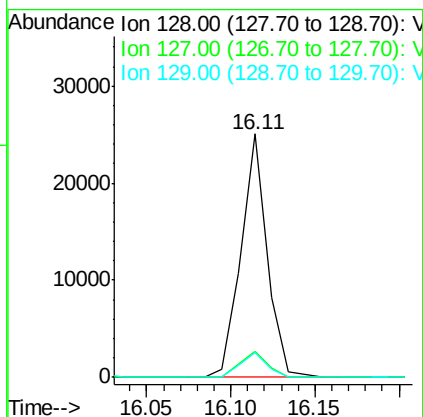
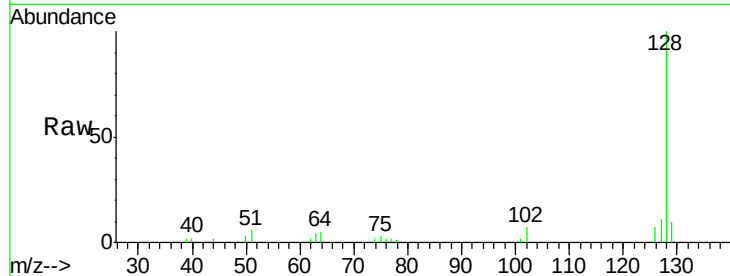
#95
Naphthalene
Concen: 2.969 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.8	9.8	14.8
129	10.2	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 2.918 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD062090.D
Acq: 30 Apr 2019 16:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.0	47.0	141.0
145	32.7	17.0	51.0

