

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101020\
 Data File : VW016869.D
 Acq On : 09 Oct 2020 19:18
 Operator : SY/VA
 Sample : L4214-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 4:20:54 PM

Quant Time: Oct 12 15:02:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 12 14:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	382088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	573828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	507357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	259005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	168085	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	7.89	113	176763	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.33	98	671227	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.62	95	236396	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	8787	4.216	ug/l	96
3) Chloromethane	2.21	50	10850	4.748	ug/l	100
4) Vinyl Chloride	2.37	62	14119	4.273	ug/l	97
5) Bromomethane	2.79	94	11349	4.472	ug/l	93
6) Chloroethane	2.93	64	9151	4.352	ug/l	94
7) Trichlorofluoromethane	3.26	101	9303	3.867	ug/l	89
8) Diethyl Ether	3.68	74	6470	4.306	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.07	101	14507	4.478	ug/l	97
10) Methyl Iodide	4.28	142	22857	4.414	ug/l	98
11) Tert butyl alcohol	5.16	59	4634	30.510	ug/l	97
12) 1,1-Dichloroethene	4.05	96	13780	4.310	ug/l	99
13) Acrolein	3.90	56	5014	24.418	ug/l	98
14) Allyl chloride	4.68	41	16493	4.309	ug/l	97
15) Acrylonitrile	5.37	53	10879	21.751	ug/l	96
16) Acetone	4.12	43	12536	24.905	ug/l	99
17) Carbon Disulfide	4.40	76	34868	4.099	ug/l	97
18) Methyl Acetate	4.68	43	5578	4.831	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	16285	4.726	ug/l	99
20) Methylene Chloride	4.92	84	23643	5.927	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	15495	4.317	ug/l	97
22) Diisopropyl ether	6.32	45	31109	4.472	ug/l	98
23) Vinyl Acetate	6.26	43	91361	20.497	ug/l	100
24) 1,1-Dichloroethane	6.22	63	24038	4.358	ug/l	98
25) 2-Butanone	7.18	43	14965	22.301	ug/l	100
26) 2,2-Dichloropropane	7.17	77	15297	4.533	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	16931	4.404	ug/l	96
28) Bromochloromethane	7.51	49	10016	4.537	ug/l	97
29) Tetrahydrofuran	7.54	42	8716	23.188	ug/l	98
30) Chloroform	7.68	83	26512	4.421	ug/l	98
31) Cyclohexane	7.96	56	24404	5.187	ug/l #	72
32) 1,1,1-Trichloroethane	7.88	97	21782	4.306	ug/l	97
36) 1,1-Dichloropropene	8.09	75	20919	4.217	ug/l	98
37) Ethyl Acetate	7.26	43	6290	3.881	ug/l #	93
38) Carbon Tetrachloride	8.07	117	20509	3.976	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22668	4.007	ug/l	98
40) Benzene	8.33	78	58839	4.257	ug/l	98
41) Methacrylonitrile	7.50	41	3885	4.045	ug/l	97
42) 1,2-Dichloroethane	8.40	62	16623	4.397	ug/l	97
43) Isopropyl Acetate	8.43	43	13041	4.200	ug/l	96
44) Trichloroethene	9.10	130	18041	4.217	ug/l	100
45) 1,2-Dichloropropane	9.37	63	13450	4.267	ug/l	97
46) Dibromomethane	9.46	93	7798	4.325	ug/l	99
47) Bromodichloromethane	9.65	83	18816	4.197	ug/l	88
48) Methyl methacrylate	9.44	41	5671	3.964	ug/l	96
49) 1,4-Dioxane	9.46	88	1713	82.603	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	34121	21.723	ug/l	98
52) Toluene	10.39	92	38684	4.234	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	15314	3.753	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	19704	3.953	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	10787	4.203	ug/l	94
56) Ethyl methacrylate	10.65	69	11318	4.054	ug/l	96
57) 1,3-Dichloropropane	10.93	76	18668	4.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	29821	19.277	ug/l	98
59) 2-Hexanone	10.98	43	20525	19.750	ug/l	98
60) Dibromochloromethane	11.13	129	12547	3.986	ug/l	100
61) 1,2-Dibromoethane	11.24	107	10944	4.306	ug/l	99
64) Tetrachloroethene	10.87	164	16295	4.508	ug/l	96
65) Chlorobenzene	11.66	112	43729	4.394	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	14578	4.142	ug/l	99
67) Ethyl Benzene	11.73	91	73321	4.228	ug/l	99
68) m/p-Xylenes	11.84	106	55344	8.206	ug/l	99
69) o-Xylene	12.17	106	26232	4.238	ug/l	97
70) Styrene	12.18	104	42076	4.085	ug/l	99
71) Bromoform	12.35	173	6926	3.920	ug/l #	96
73) Isopropylbenzene	12.47	105	71320	4.143	ug/l	99
74) N-amyl acetate	12.27	43	11026	3.987	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	11872	4.395	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	8750m	4.528	ug/l	
77) Bromobenzene	12.75	156	18750	4.406	ug/l	97
78) n-propylbenzene	12.80	91	82608	4.161	ug/l	99
79) 2-Chlorotoluene	12.90	91	48293	4.264	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	59256	4.107	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	115096	160.078	ug/l #	11
82) 4-Chlorotoluene	12.99	91	51132	4.373	ug/l	98
83) tert-Butylbenzene	13.21	119	52482	4.188	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	60000	4.174	ug/l	99
85) sec-Butylbenzene	13.38	105	71746	4.114	ug/l	100
86) p-Isopropyltoluene	13.50	119	68614	4.225	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	35583	4.324	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	37312	4.601	ug/l	95
89) n-Butylbenzene	13.82	91	57474	3.928	ug/l	100
90) Hexachloroethane	14.10	117	9953	3.972	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	31391	4.421	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1717	4.151	ug/l	97

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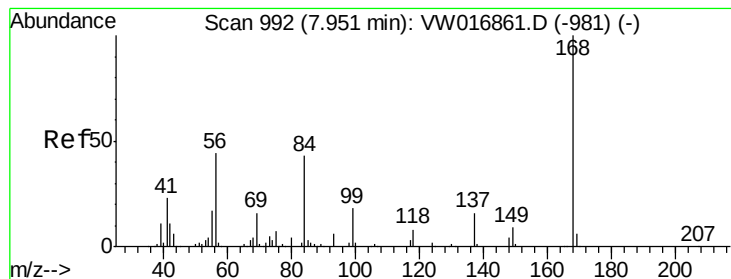
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	20400	4.164	ug/l	99
94) Hexachlorobutadiene	15.24	225	13773	4.337	ug/l	96
95) Naphthalene	15.37	128	30199	3.793	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	17195	4.035	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:168 Resp: 382088

Ion Ratio Lower Upper

168 100

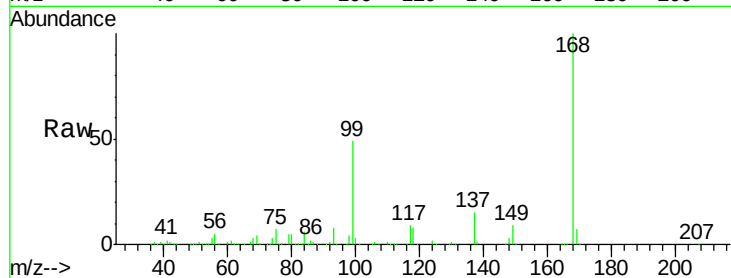
99 49.0 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

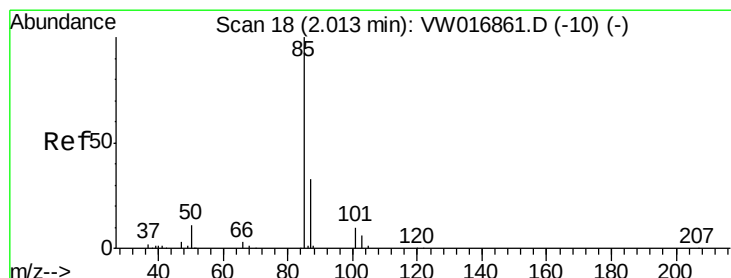
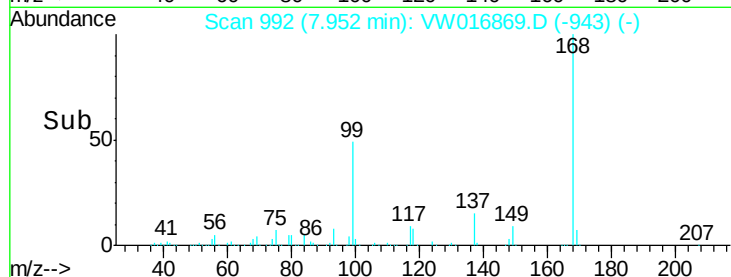
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50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 4.216 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016869.D

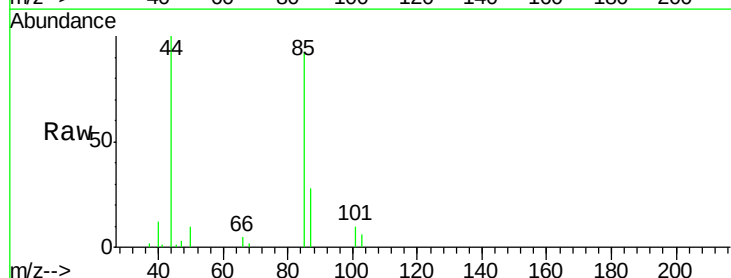
Acq: 09 Oct 2020 19:18

Tgt Ion: 85 Resp: 8787

Ion Ratio Lower Upper

85 100

87 30.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

3000

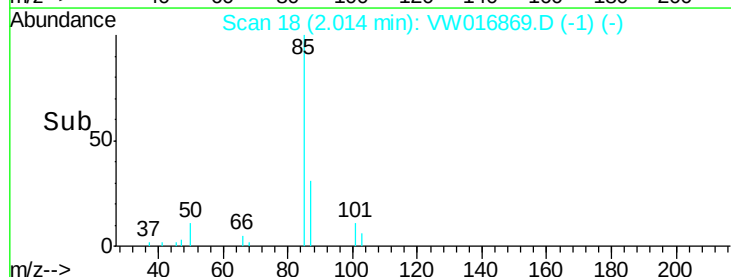
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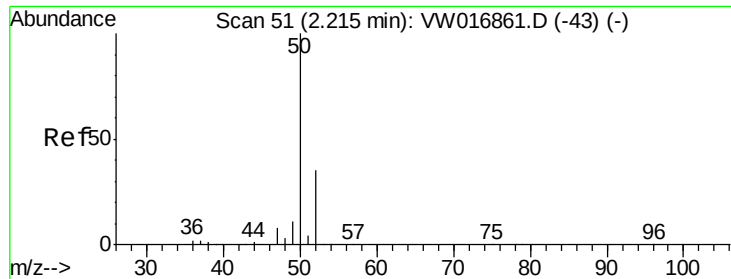
1000

0

1.95 2.00 2.05 2.10 2.15

Time-->





#3

Chloromethane

Concen: 4.748 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 50 Resp: 10850

Ion Ratio Lower Upper

50 100

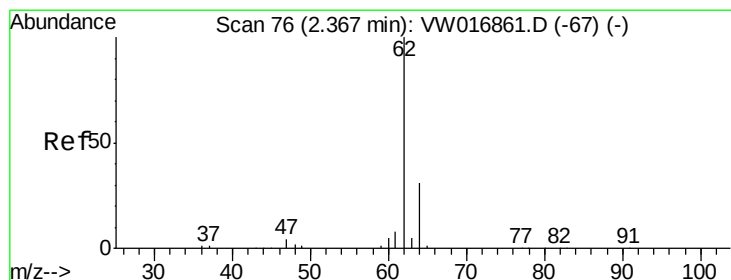
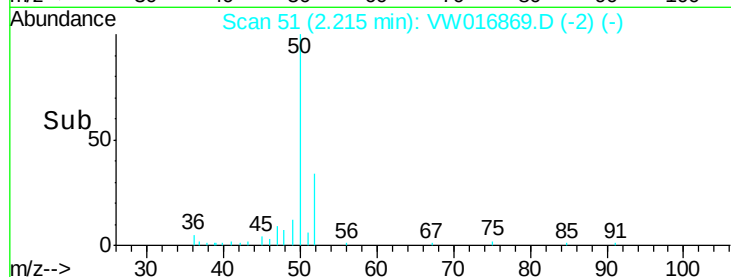
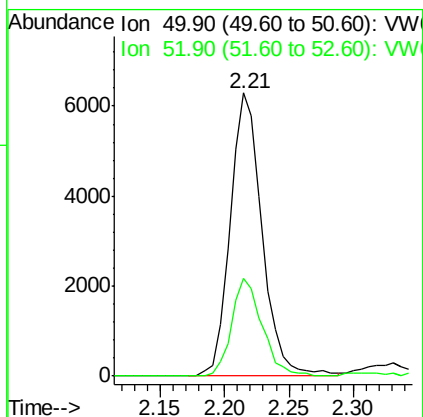
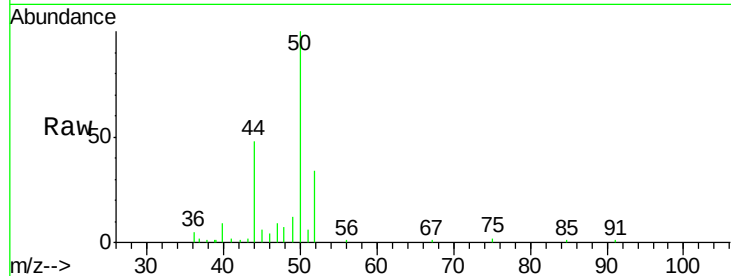
52 34.5 27.6 41.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.273 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016869.D

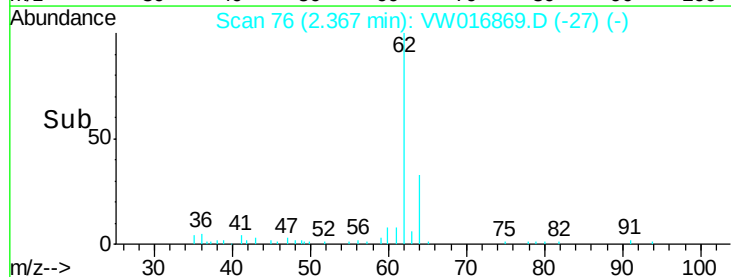
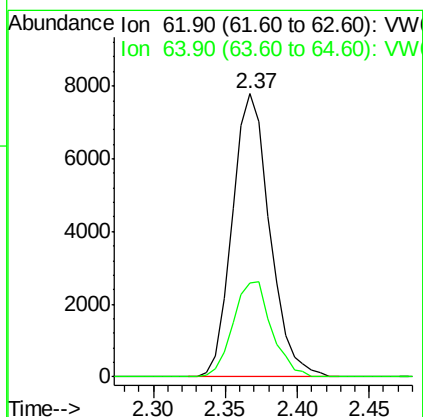
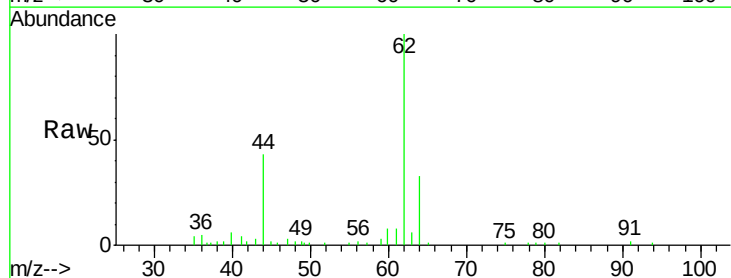
Acq: 09 Oct 2020 19:18

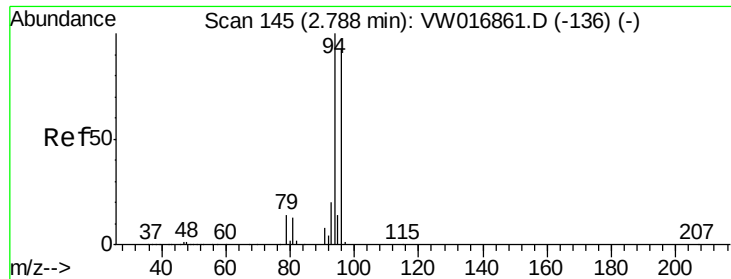
Tgt Ion: 62 Resp: 14119

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.4





#5

Bromomethane

Concen: 4.472 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 11349

Ion Ratio Lower Upper

94 100

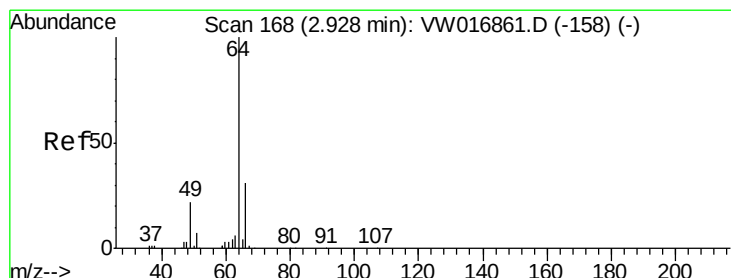
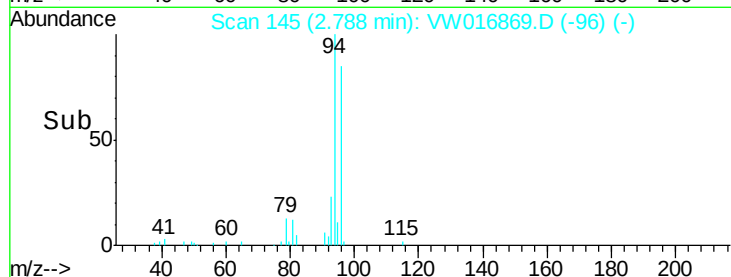
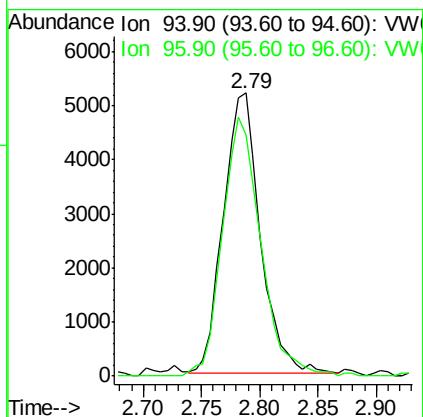
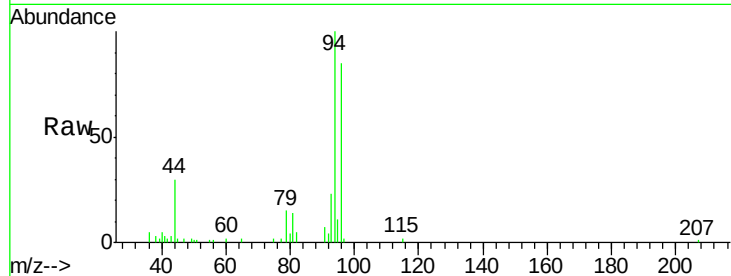
96 86.2 74.7 112.1

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#6

Chloroethane

Concen: 4.352 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016869.D

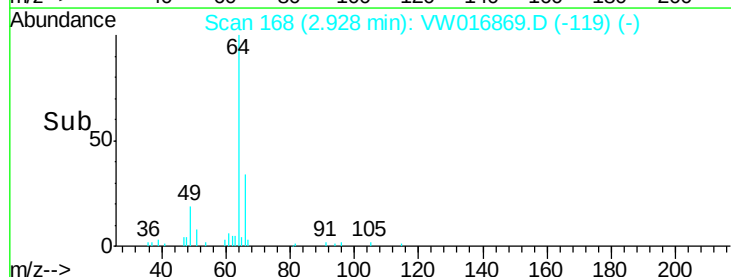
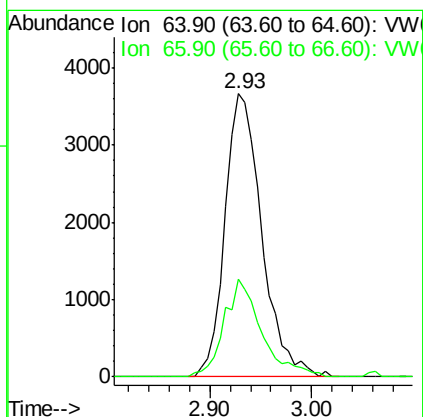
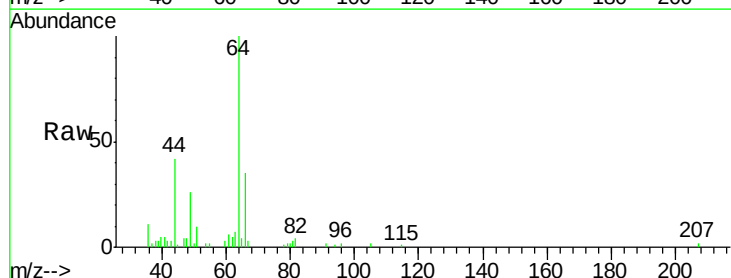
Acq: 09 Oct 2020 19:18

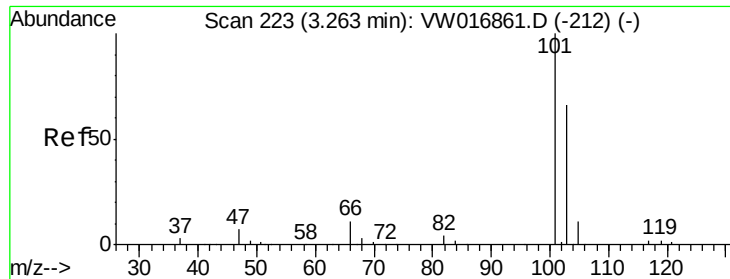
Tgt Ion: 64 Resp: 9151

Ion Ratio Lower Upper

64 100

66 34.6 25.0 37.6





#7

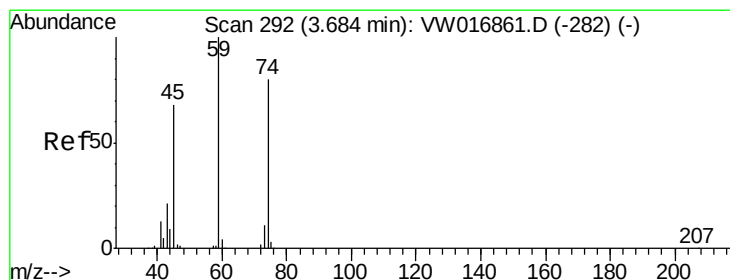
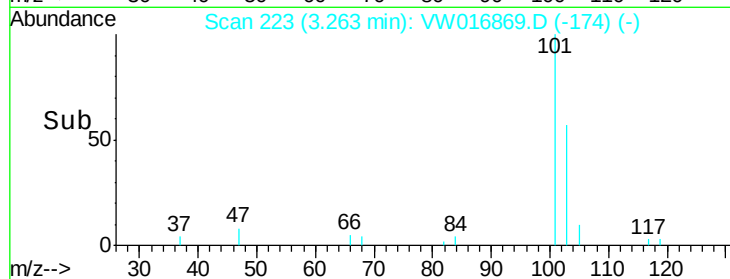
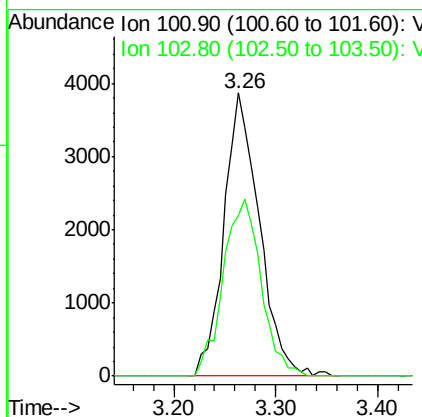
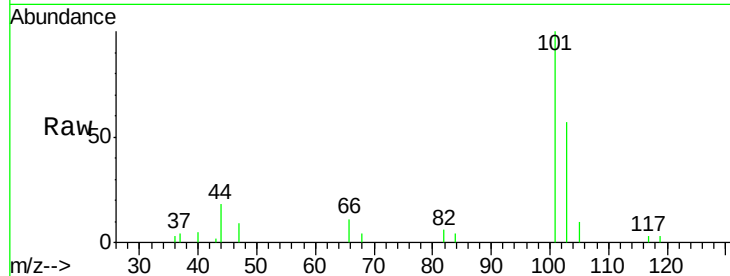
Trichlorofluoromethane
Concen: 3.867 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW016869.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	56.8	52.6	79.0

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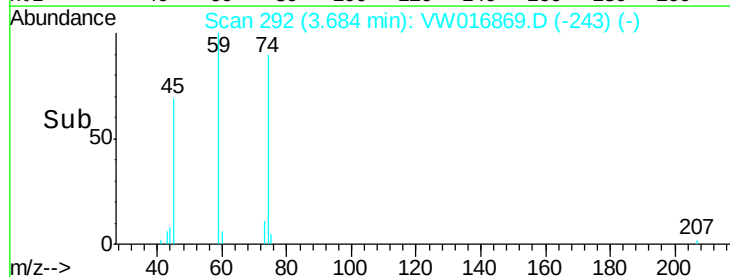
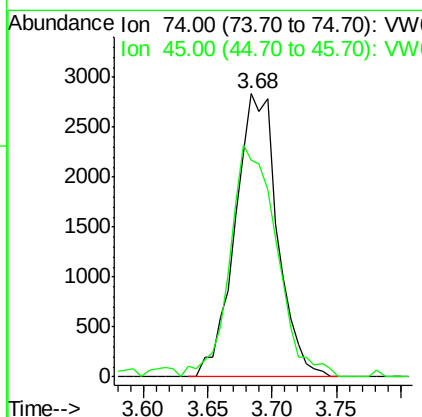
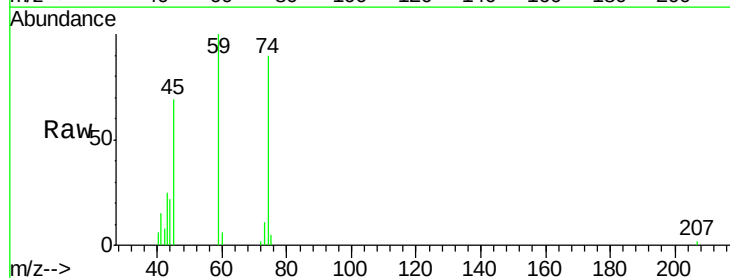
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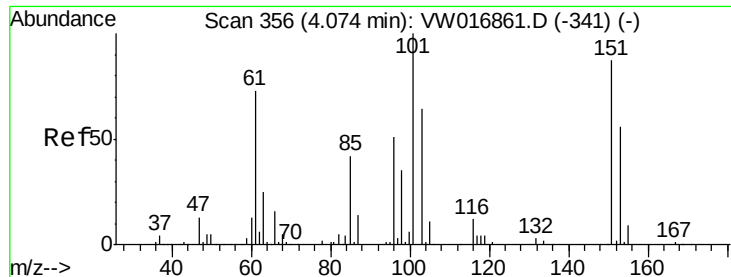


#8

Diethyl Ether
Concen: 4.306 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.1	41.1	123.4





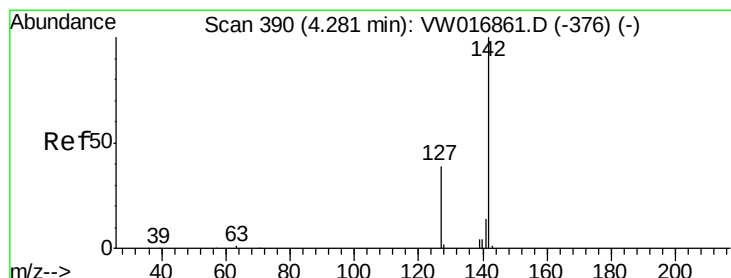
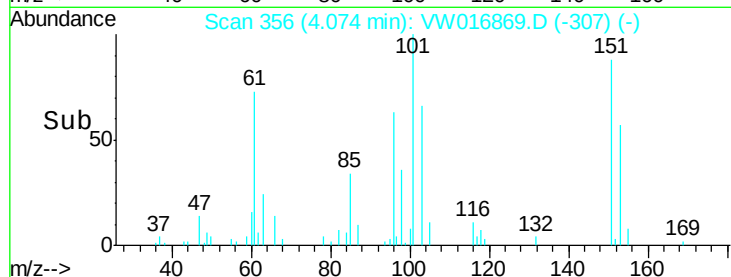
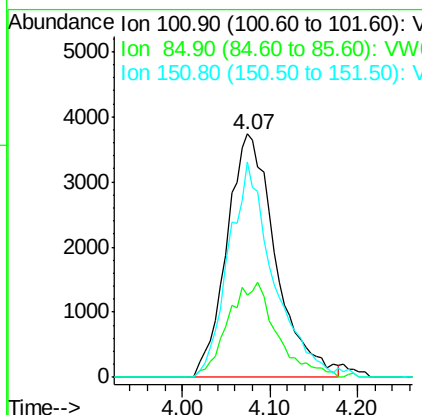
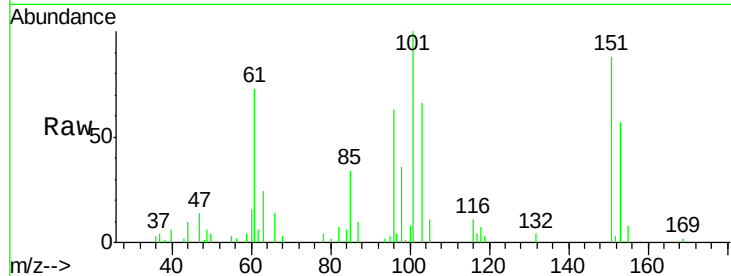
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.478 ug/l
 RT: 4.07 min Scan# 356
 Delta R.T. 0.00 min
 Lab File: VW016869.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	38.7	33.2	49.8
151	80.6	66.6	100.0

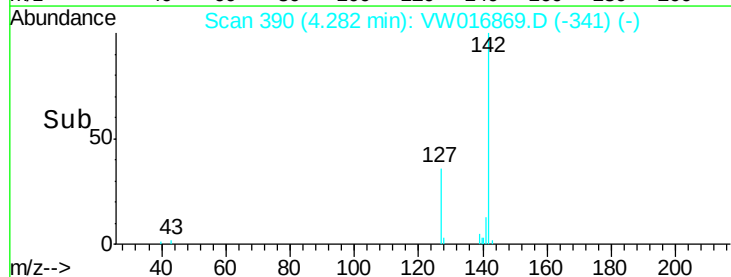
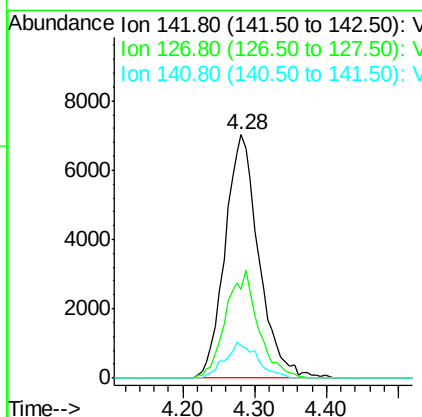
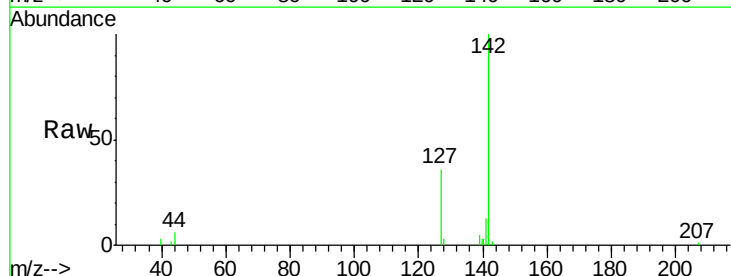
Manual Integrations
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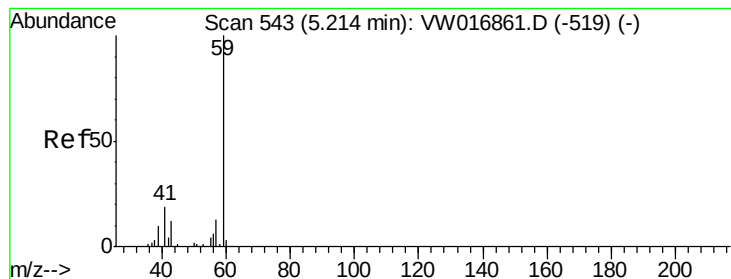
MMDadoda
 10/12/2020 4:20:54 PM



#10
 Methyl Iodide
 Concen: 4.414 ug/l
 RT: 4.28 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.4	32.4	48.6
141	14.2	11.4	17.0





#11

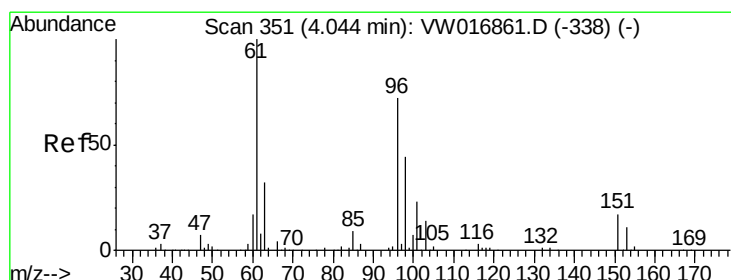
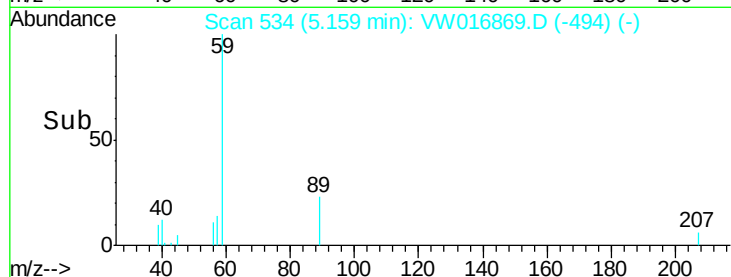
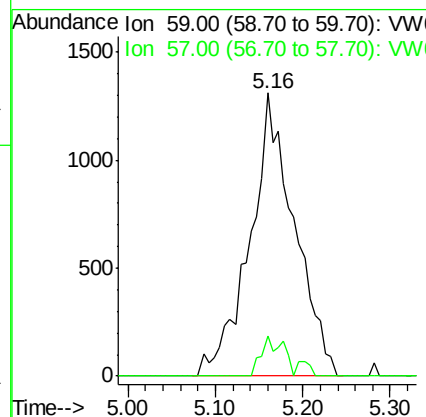
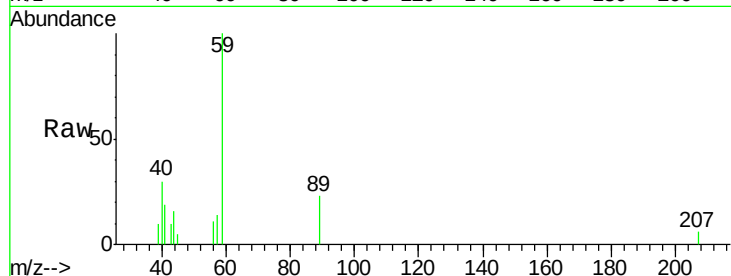
Tert butyl alcohol
Concen: 30.510 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.05 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 59 Resp: 4634
Ion Ratio Lower Upper
59 100
57 6.9 4.7 7.1

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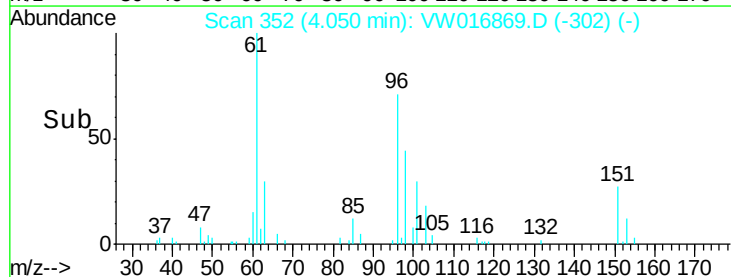
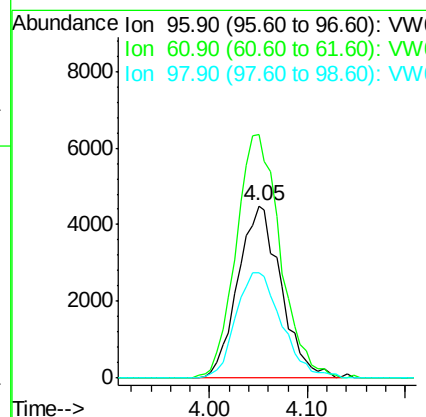
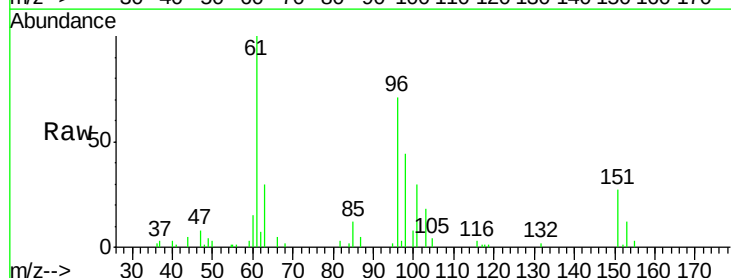
MMDadoda
10/12/2020 4:20:54 PM

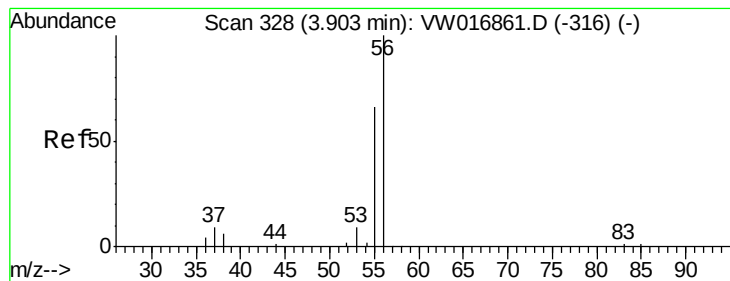


#12

1,1-Dichloroethene
Concen: 4.310 ug/l
RT: 4.05 min Scan# 352
Delta R.T. 0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion: 96 Resp: 13780
Ion Ratio Lower Upper
96 100
61 141.4 111.7 167.5
98 61.5 49.0 73.4





#13

Acrolein

Concen: 24.418 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 56 Resp: 5014

Ion Ratio Lower Upper

56 100

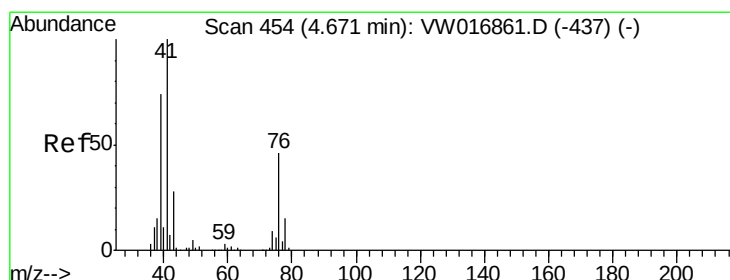
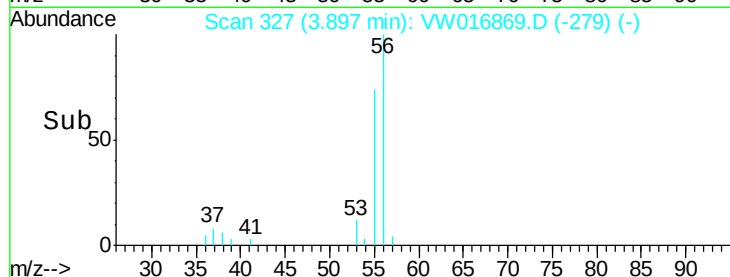
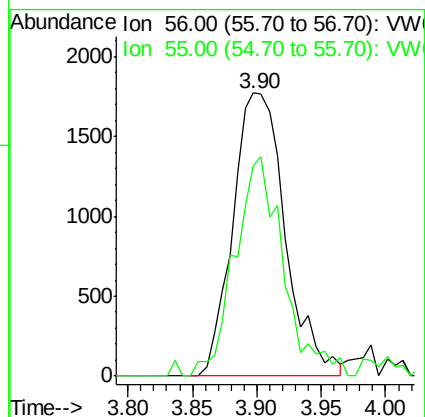
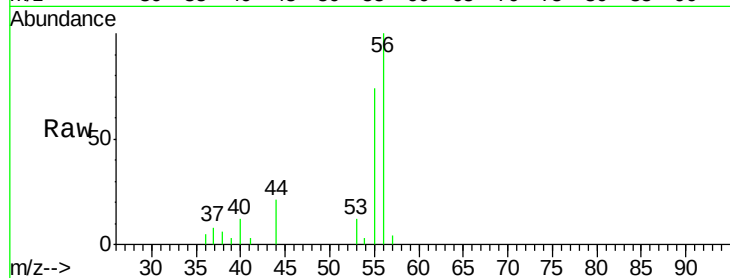
55 71.6 55.9 83.9

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 4.309 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

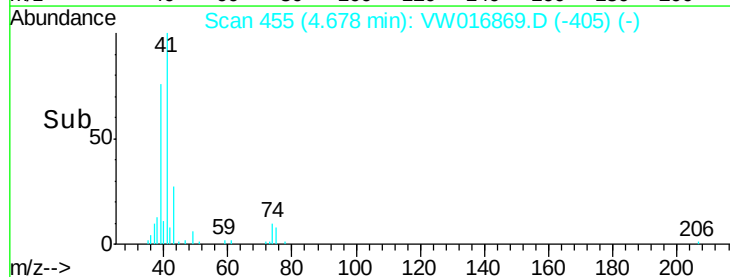
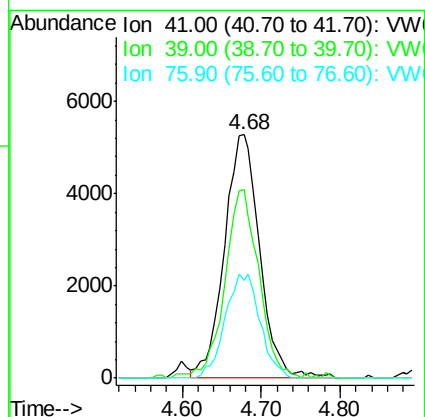
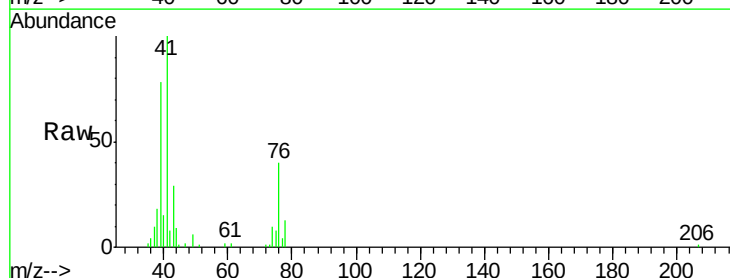
Tgt Ion: 41 Resp: 16493

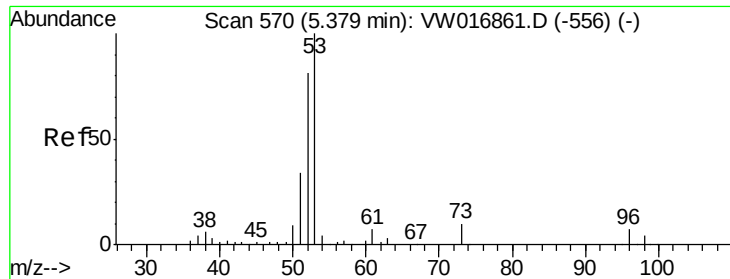
Ion Ratio Lower Upper

41 100

39 74.5 57.8 86.8

76 42.2 35.1 52.7





#15

Acrylonitrile

Concen: 21.751 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

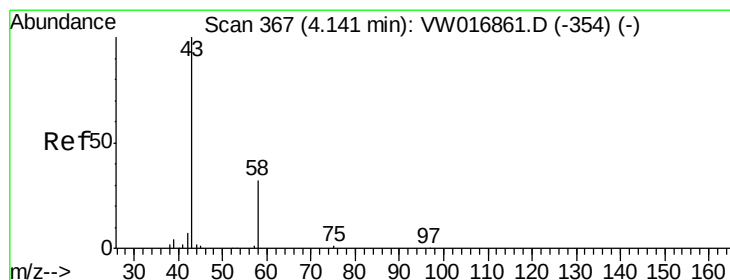
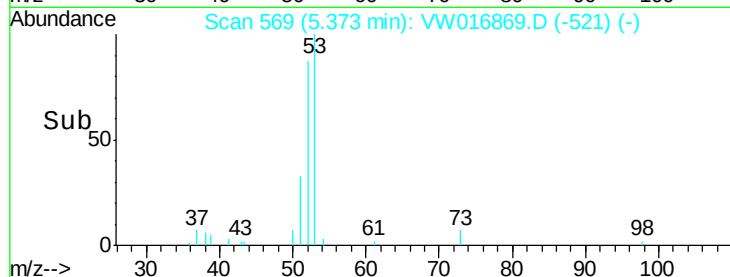
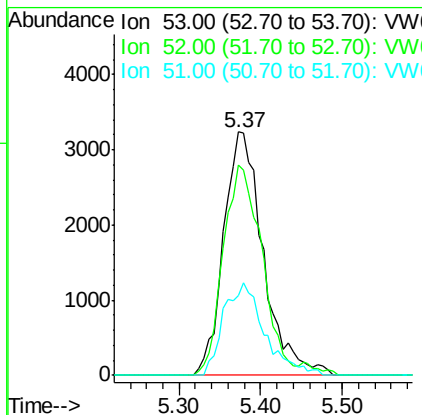
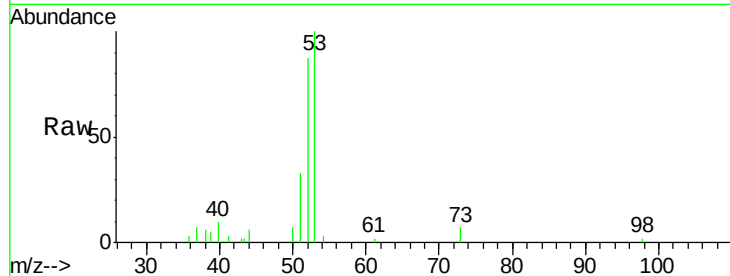
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	53	Resp:	10879
Ion	Ratio	Lower	Upper
53	100		
52	84.6	65.0	97.4
51	39.3	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 24.905 ug/l

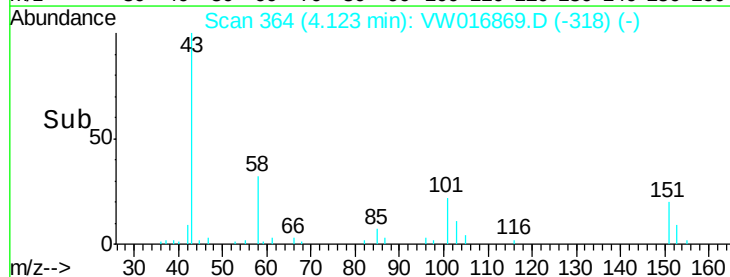
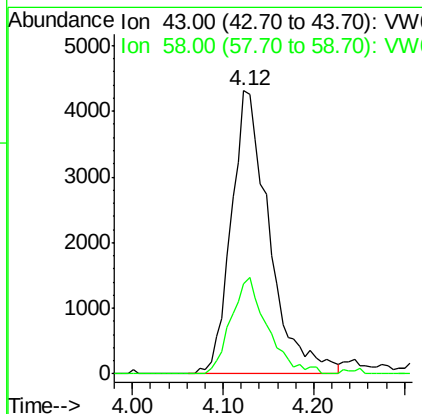
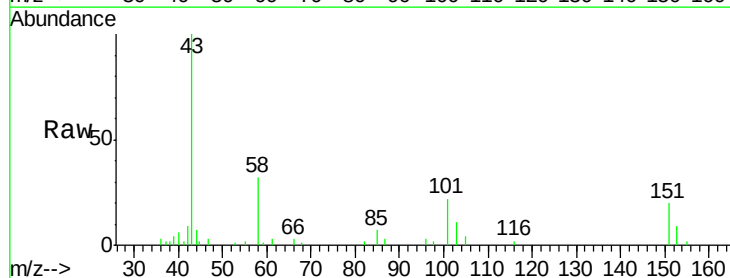
RT: 4.12 min Scan# 364

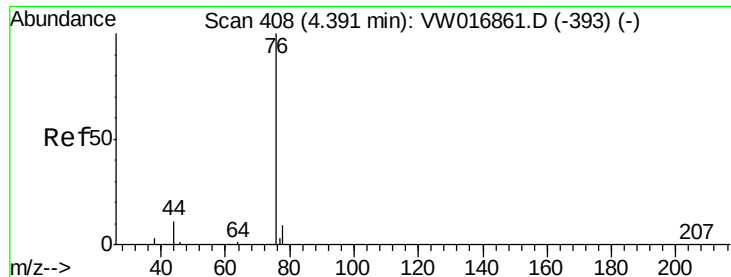
Delta R.T. -0.02 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion:	43	Resp:	12536
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.7	38.5





#17

Carbon Disulfide

Concen: 4.099 ug/l

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 76 Resp: 34868

Ion Ratio Lower Upper

76 100

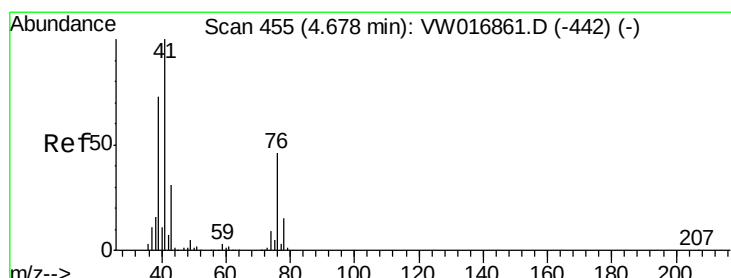
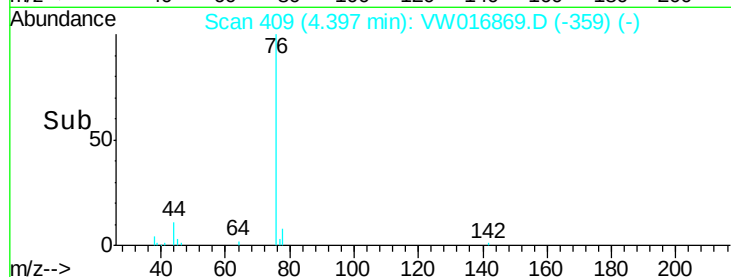
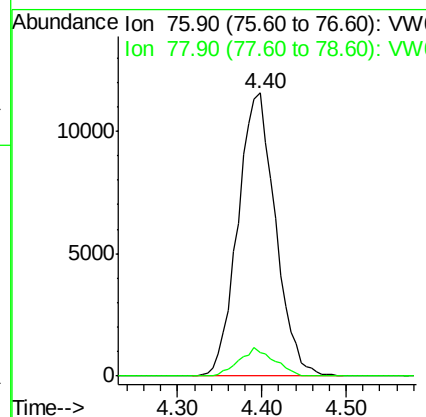
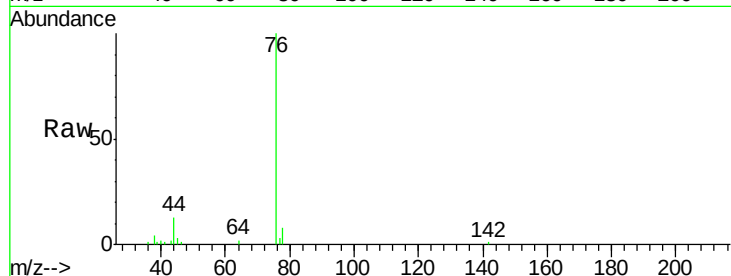
78 8.2 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 4.831 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW016869.D

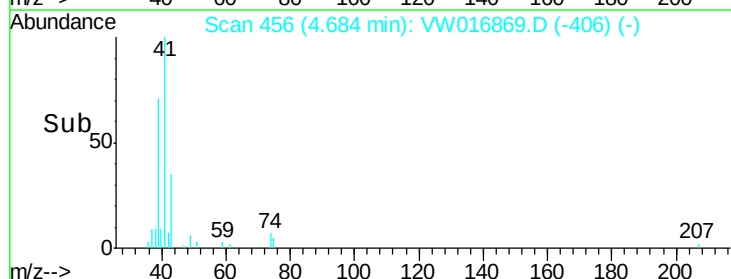
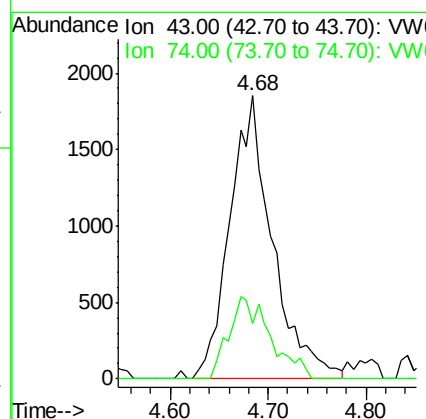
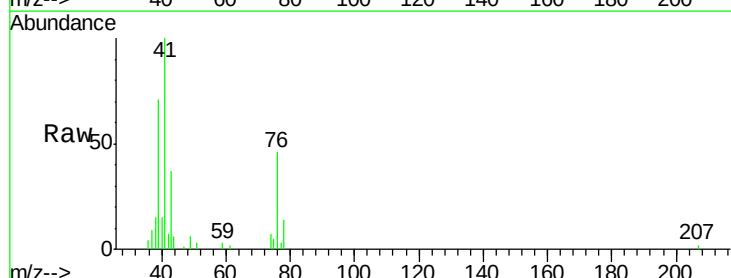
Acq: 09 Oct 2020 19:18

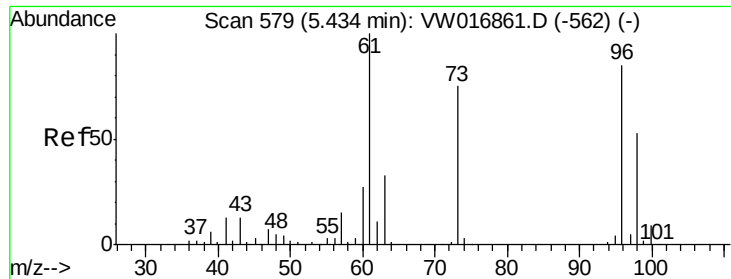
Tgt Ion: 43 Resp: 5578

Ion Ratio Lower Upper

43 100

74 28.5 23.8 35.6





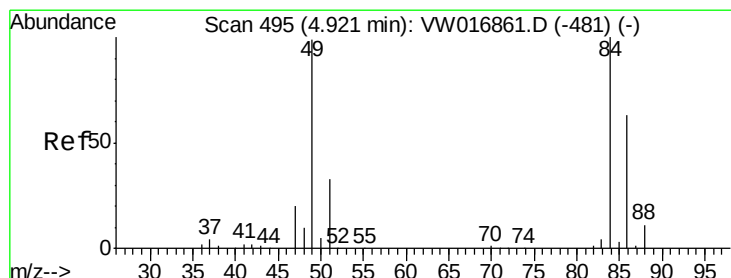
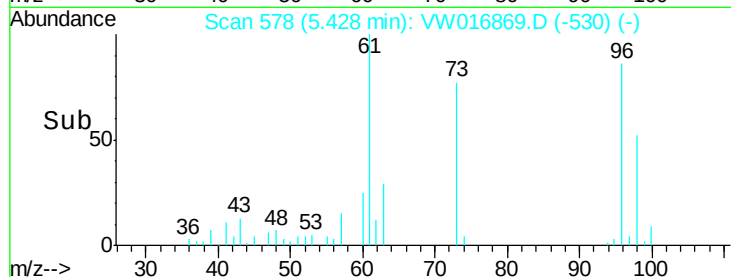
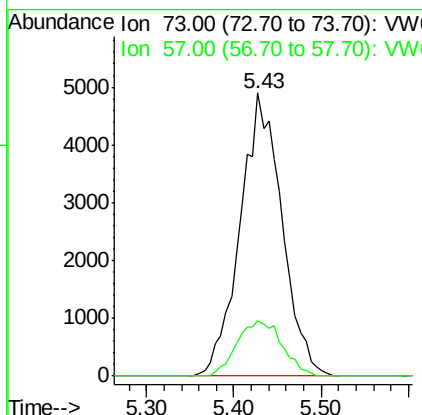
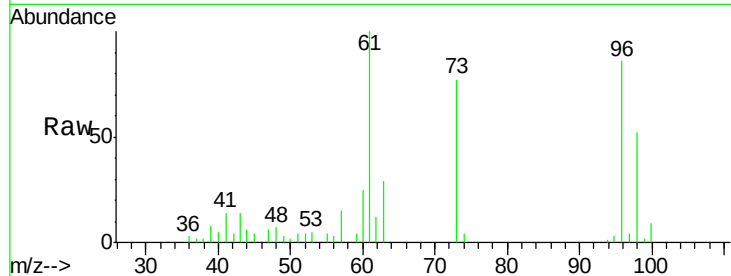
#19
Methyl tert-butyl Ether
Concen: 4.726 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 73 Resp: 16285
Ion Ratio Lower Upper
73 100
57 19.8 16.1 24.1

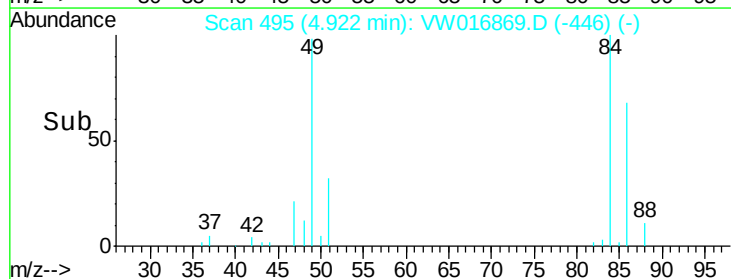
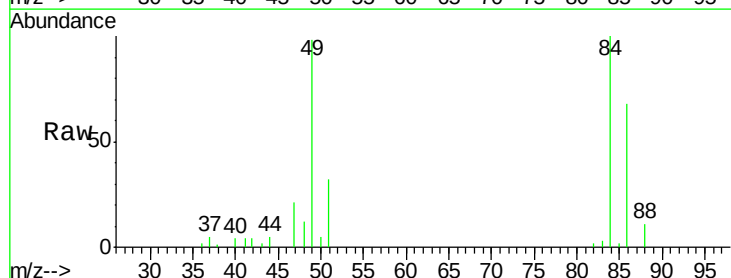
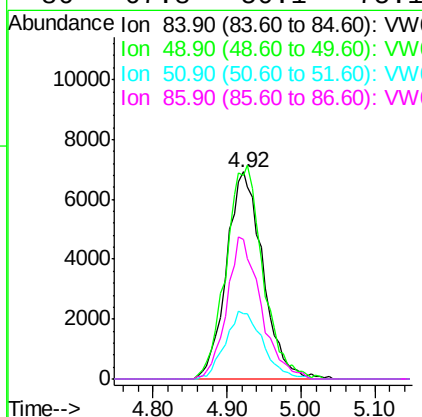
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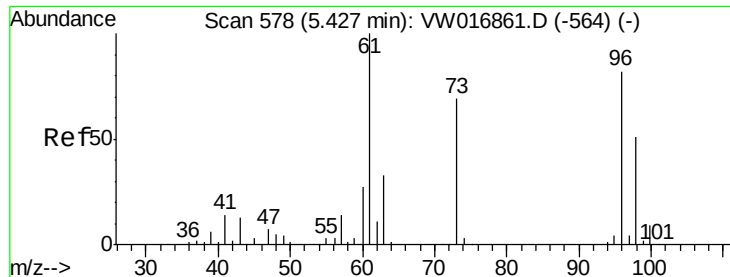
MMDadoda
10/12/2020 4:20:54 PM



#20
Methylene Chloride
Concen: 5.927 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion: 84 Resp: 23643
Ion Ratio Lower Upper
84 100
49 98.3 79.0 118.6
51 31.5 26.1 39.1
86 67.8 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 4.317 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 96 Resp: 15495

Ion Ratio Lower Upper

96 100

61 116.4 97.4 146.0

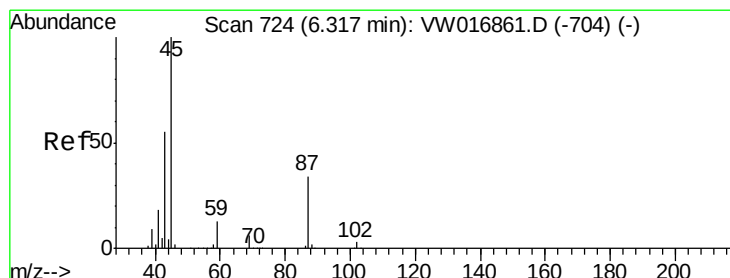
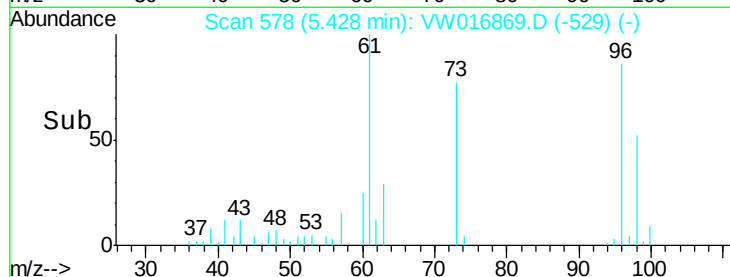
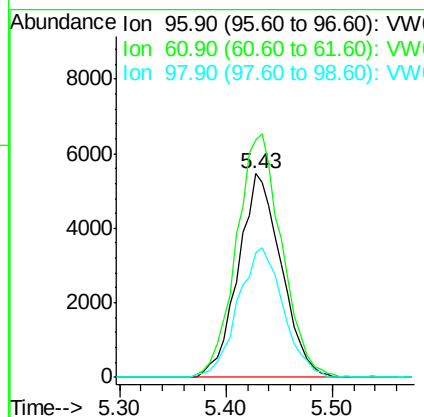
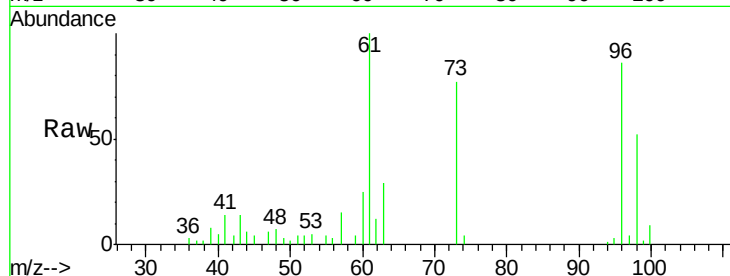
98 61.0 49.4 74.0

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#22

Diisopropyl ether

Concen: 4.472 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion: 45 Resp: 31109

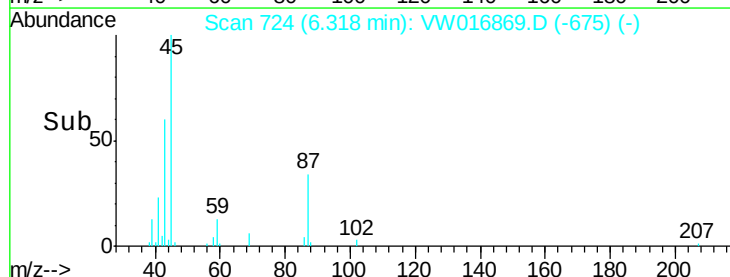
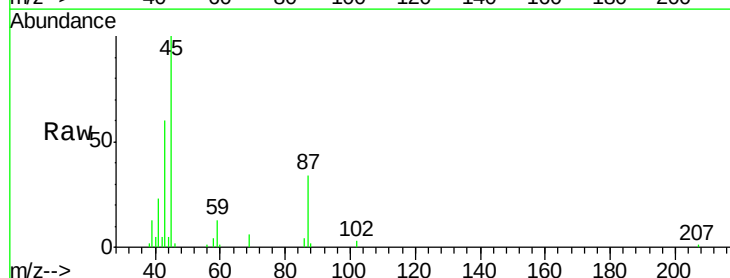
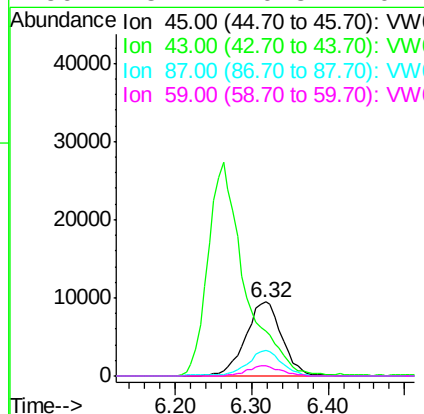
Ion Ratio Lower Upper

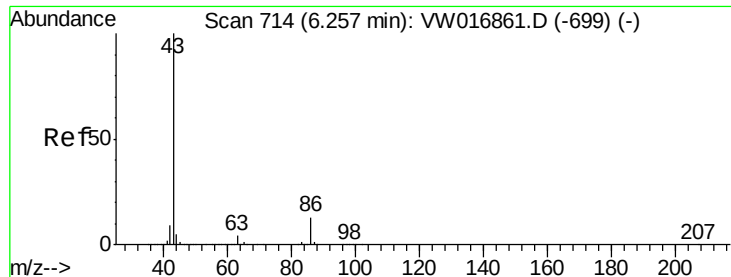
45 100

43 57.1 43.8 65.8

87 34.0 27.6 41.4

59 13.1 10.8 16.2





#23

Vinyl Acetate

Concen: 20.497 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 91361

Ion Ratio Lower Upper

43 100

86 12.7

10.2

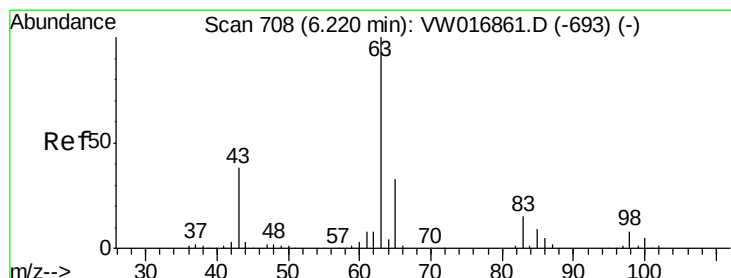
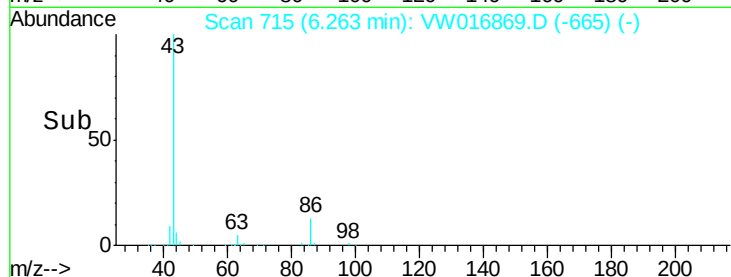
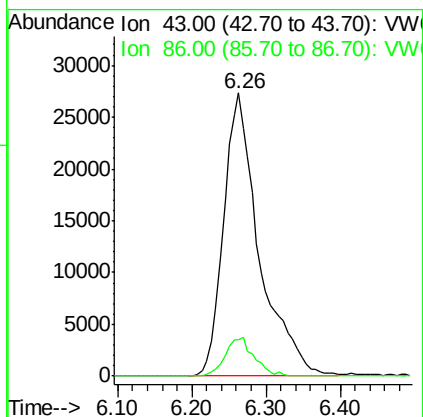
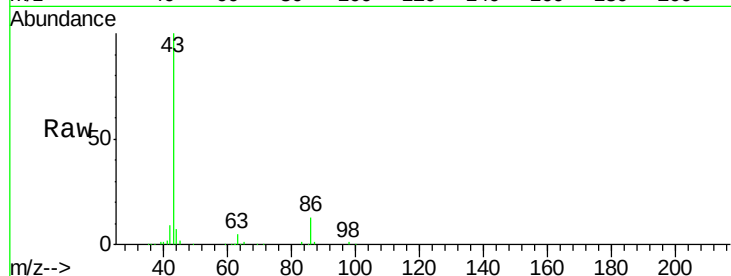
15.4

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#24

1,1-Dichloroethane

Concen: 4.358 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion: 63 Resp: 24038

Ion Ratio Lower Upper

63 100

98 7.8

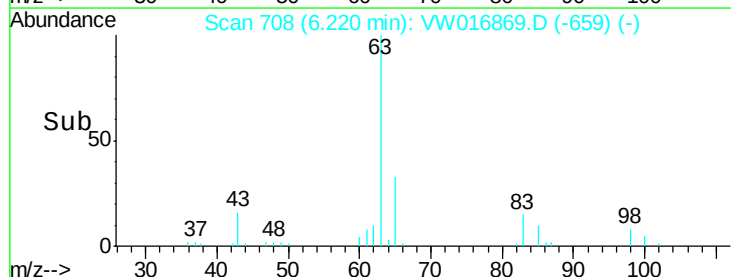
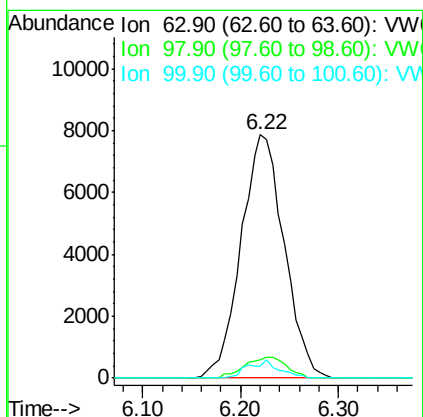
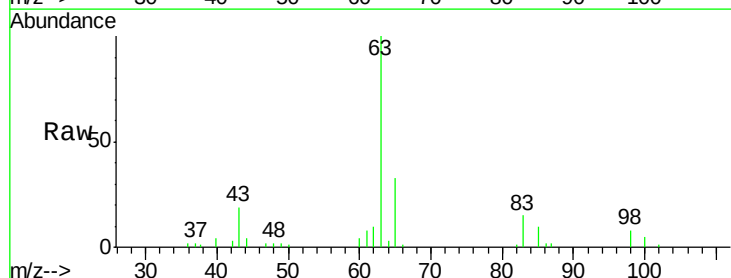
4.2

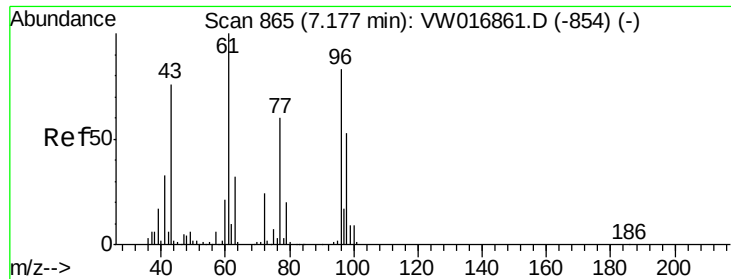
12.6

100 4.7

2.6

7.8





#25

2-Butanone

Concen: 22.301 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 14965

Ion Ratio Lower Upper

43 100

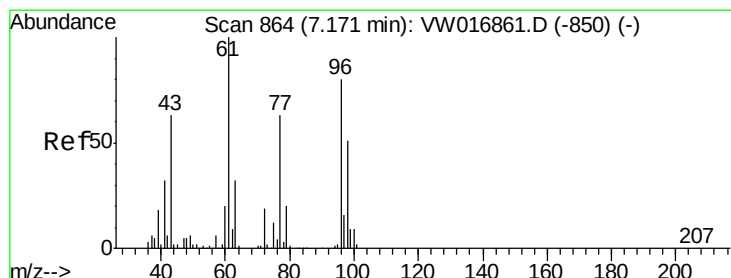
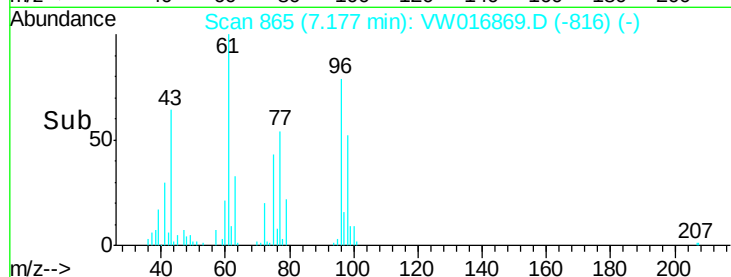
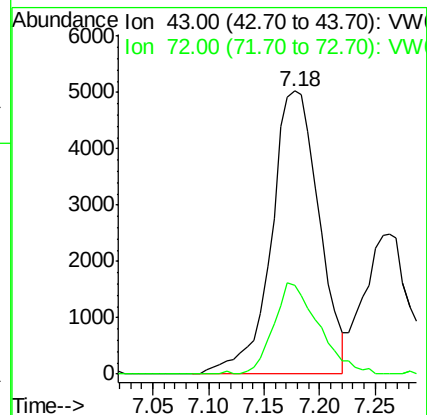
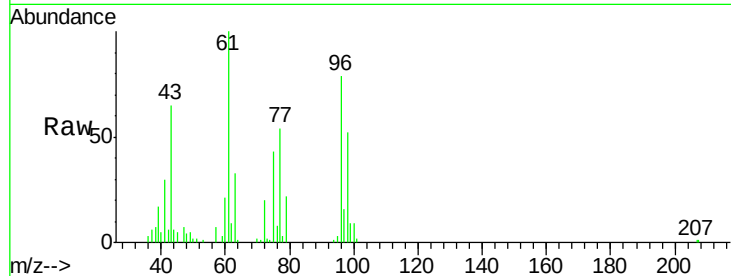
72 31.6 25.4 38.2

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 4.533 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW016869.D

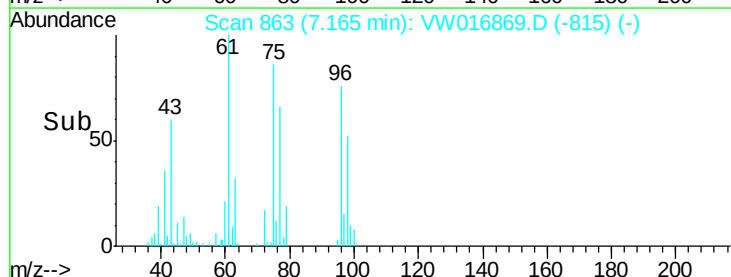
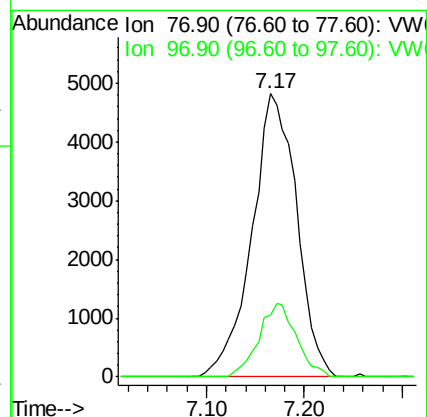
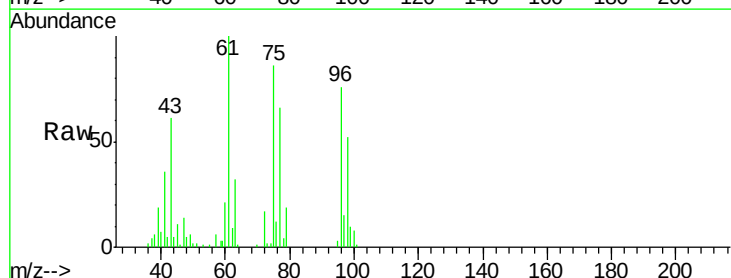
Acq: 09 Oct 2020 19:18

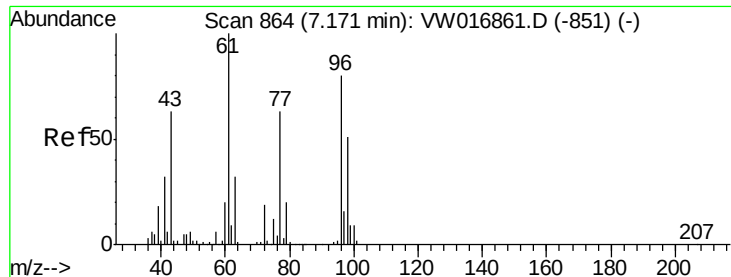
Tgt Ion: 77 Resp: 15297

Ion Ratio Lower Upper

77 100

97 21.8 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 4.404 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

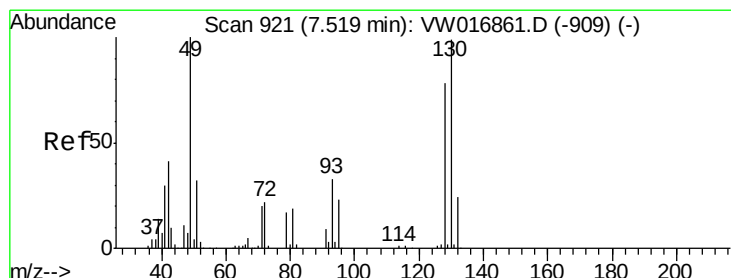
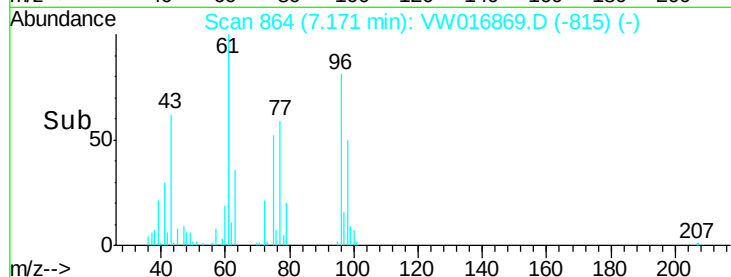
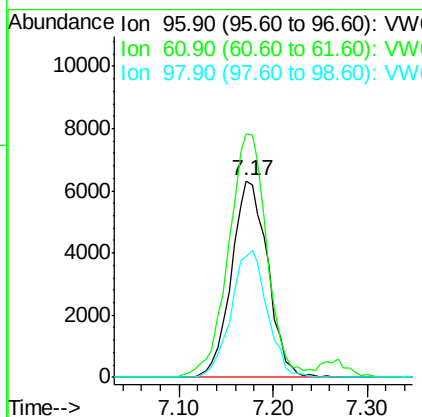
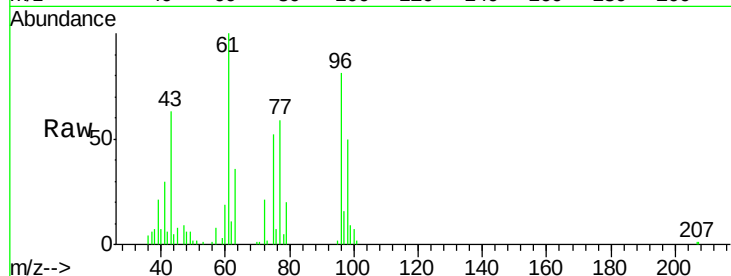
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	96	Resp:	16931
Ion	Ratio	Lower	Upper
96	100		
61	130.6	0.0	249.6
98	64.3	0.0	129.4

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#28

Bromochloromethane

Concen: 4.537 ug/l

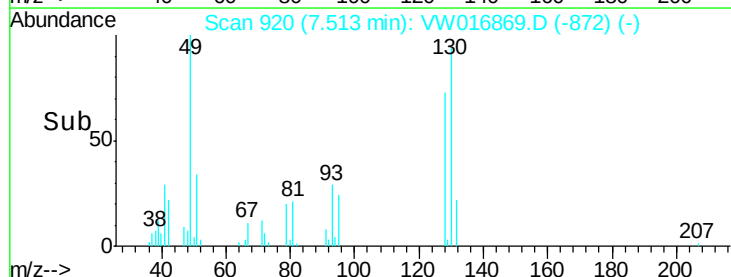
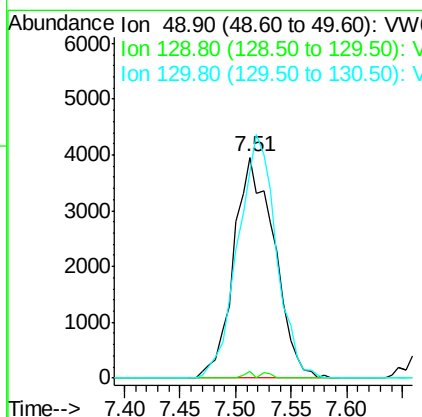
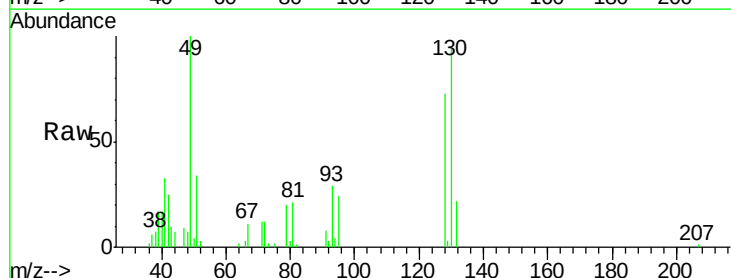
RT: 7.51 min Scan# 920

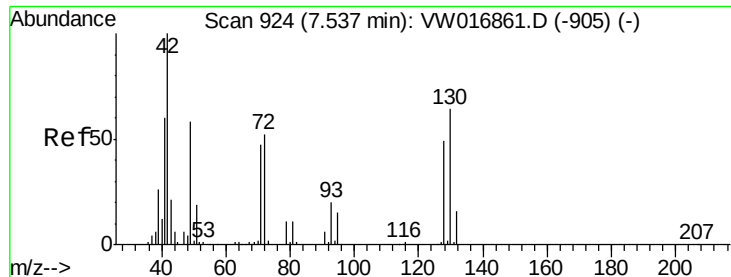
Delta R.T. -0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion:	49	Resp:	10016
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.8
130	104.3	81.3	121.9





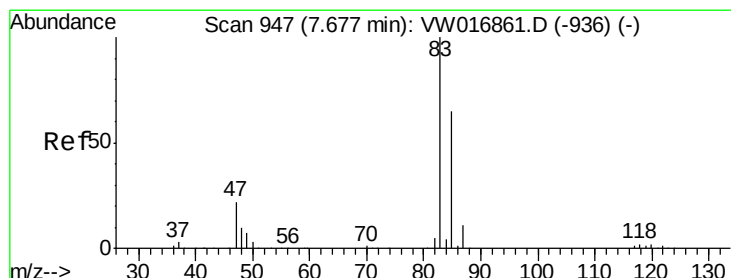
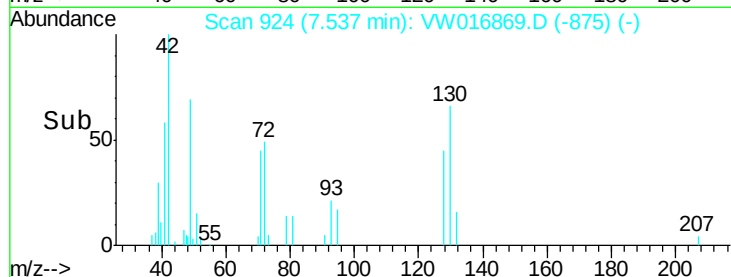
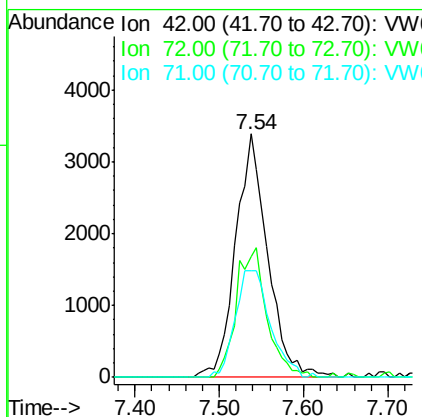
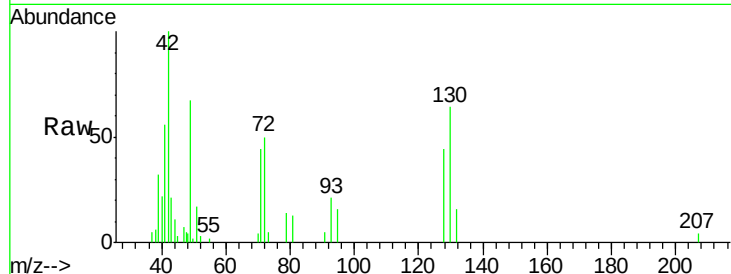
#29
Tetrahydrofuran
Concen: 23.188 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.5	42.0	63.0
71	47.8	39.0	58.6

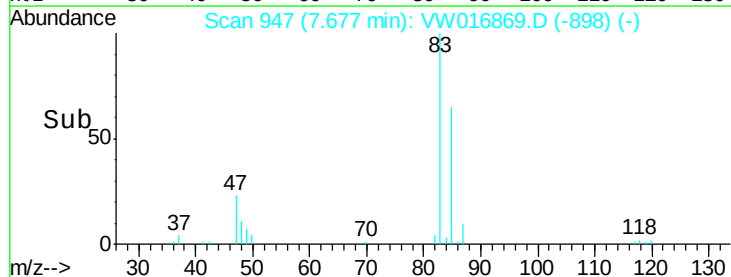
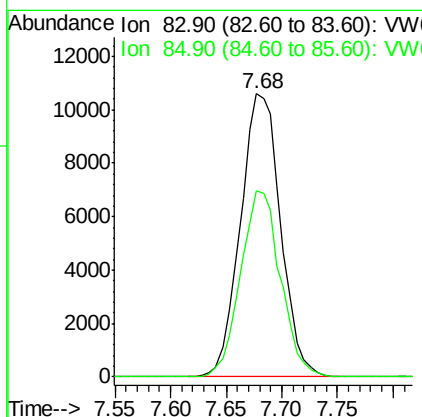
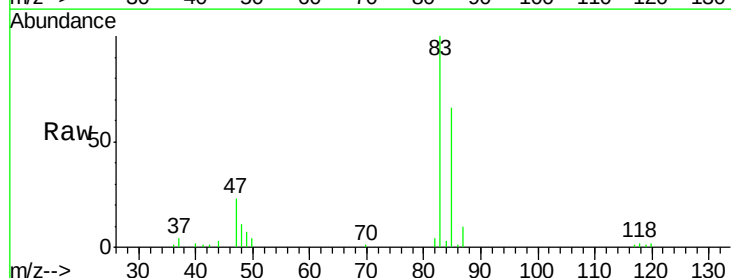
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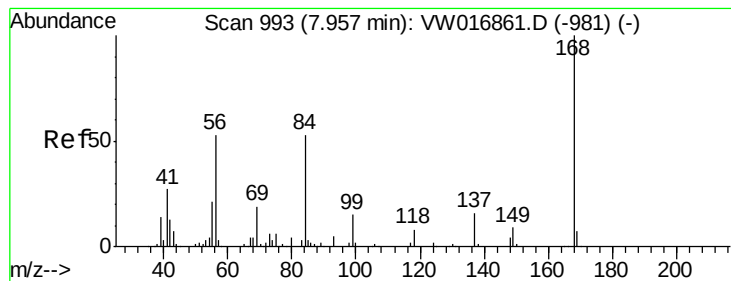
MMDadoda
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#30
Chloroform
Concen: 4.421 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.7	77.5





#31

Cyclohexane

Concen: 5.187 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

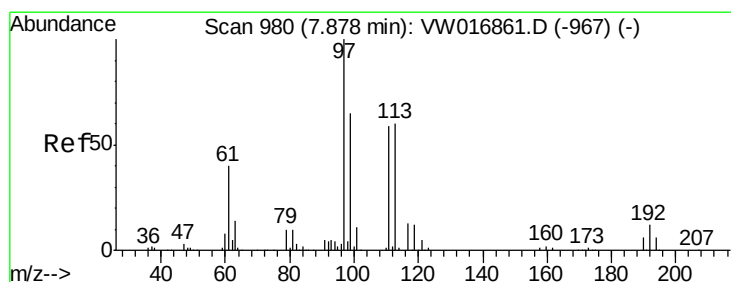
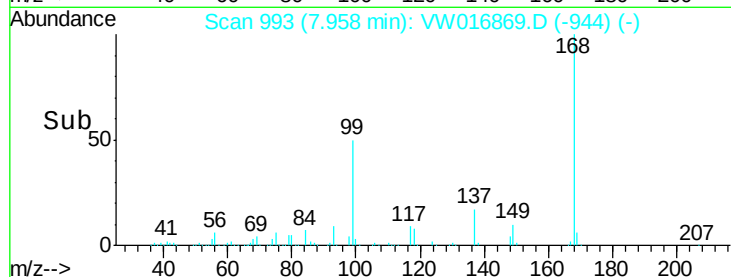
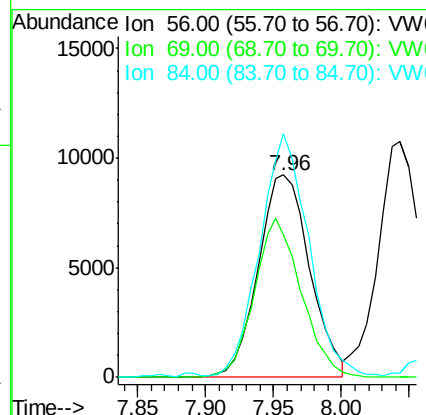
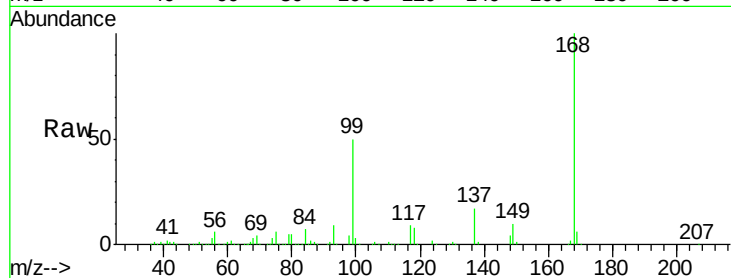
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	56	Resp:	24404
Ion Ratio	Lower	Upper	
56	100		
69	70.2	29.3	43.9#
84	118.6	80.5	120.7

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#32

1,1,1-Trichloroethane

Concen: 4.306 ug/l

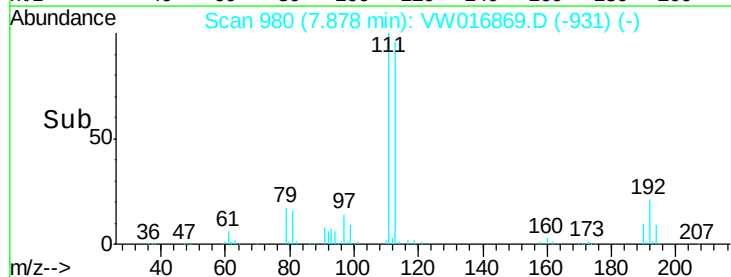
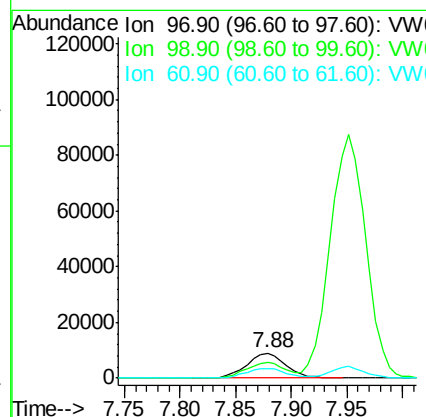
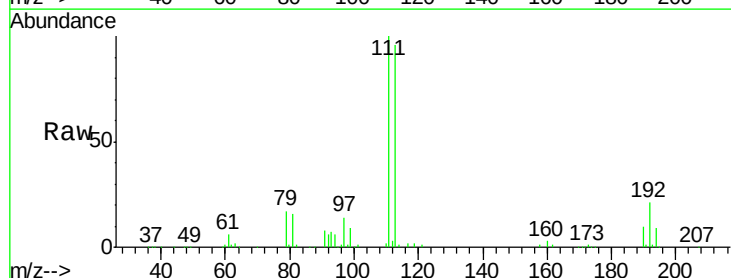
RT: 7.88 min Scan# 980

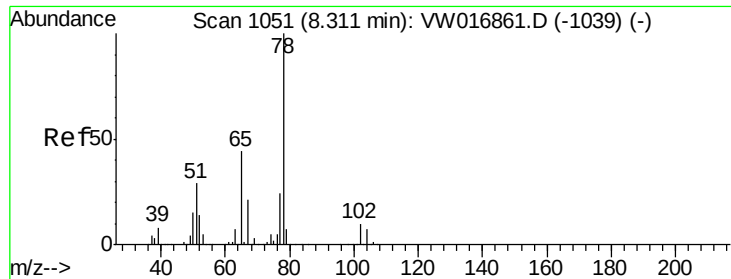
Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion:	97	Resp:	21782
Ion Ratio	Lower	Upper	
97	100		
99	62.6	52.4	78.6
61	40.8	31.9	47.9





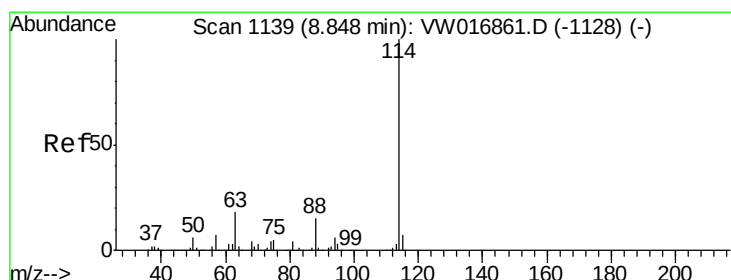
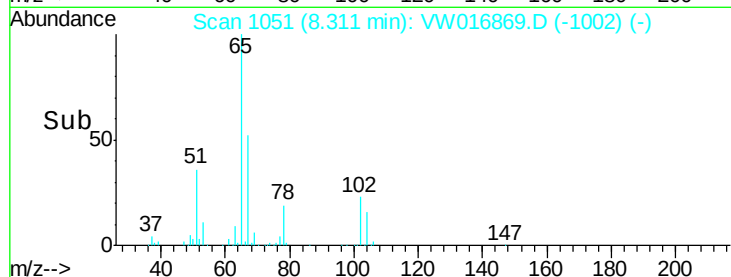
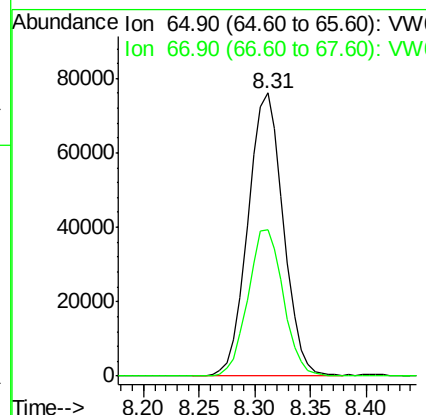
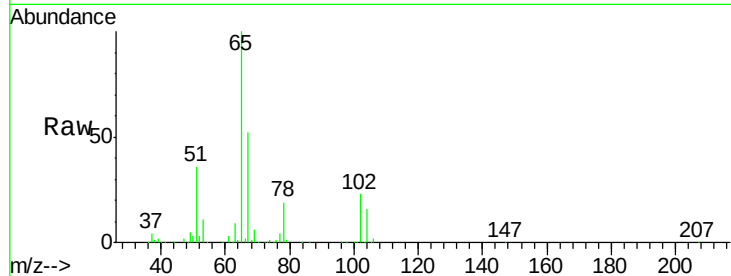
#33
 1,2-Dichloroethane-d4
 Concen: 54.083 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	103.8	

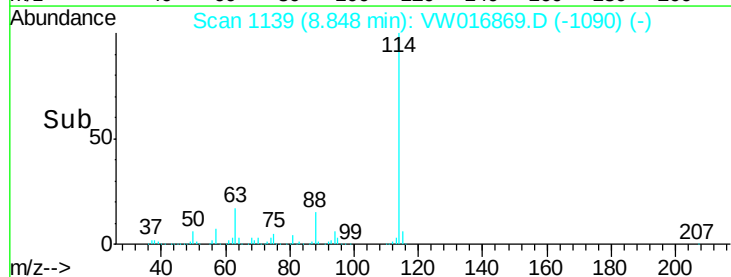
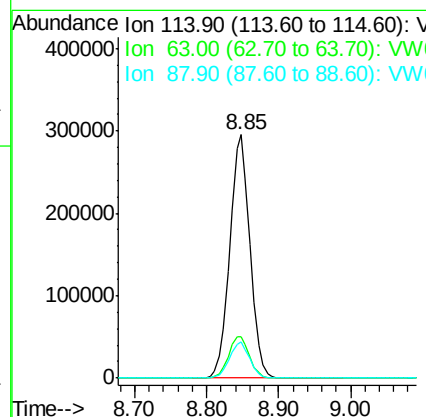
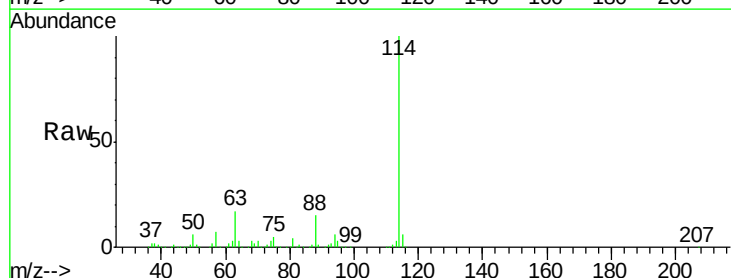
Manual Integrations
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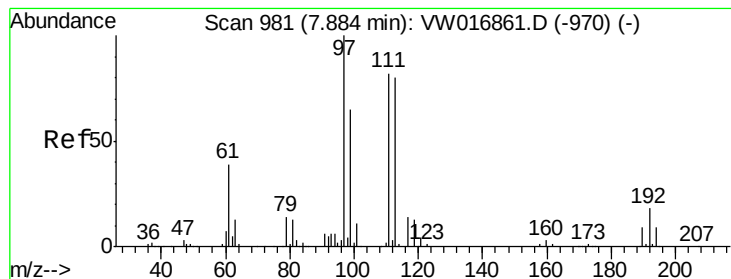
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.1	0.0	35.6	
88	14.8	0.0	30.4	





#35

Dibromofluoromethane

Concen: 50.258 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

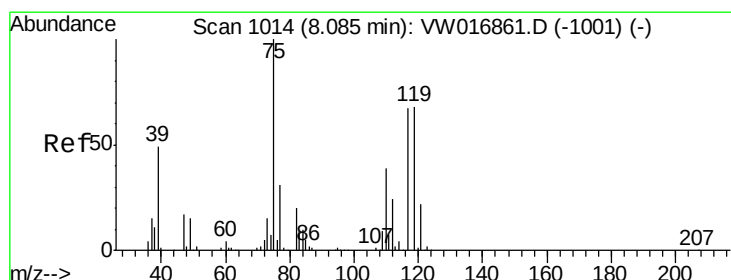
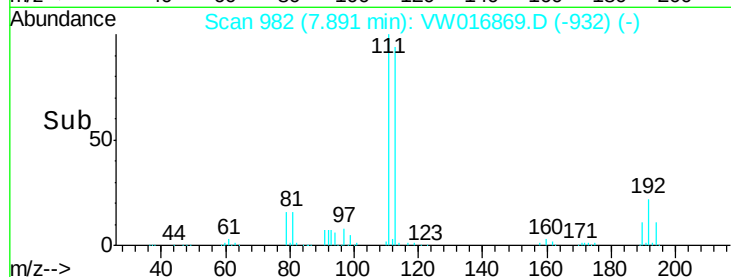
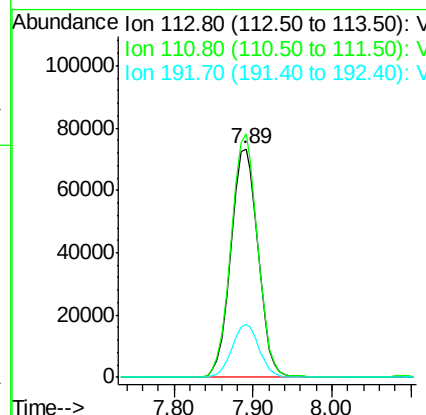
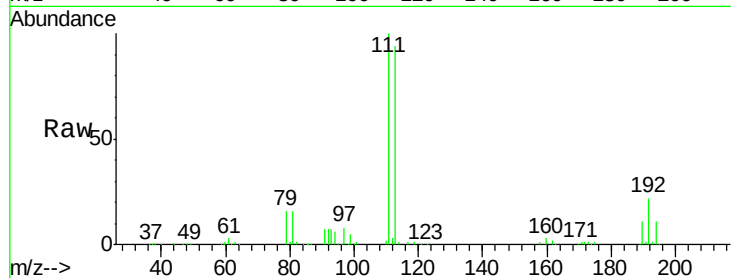
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	113	Resp:	176763
Ion Ratio	Lower	Upper	
113	100		
111	104.0	81.4	122.2
192	23.0	17.8	26.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 4.217 ug/l

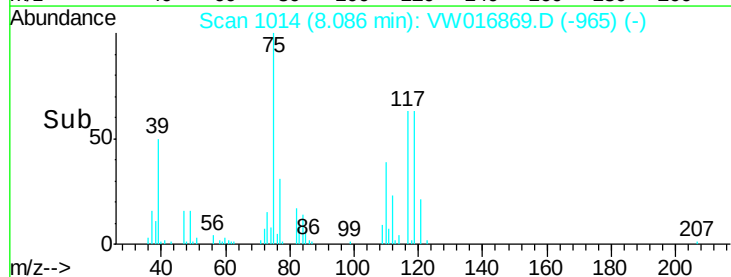
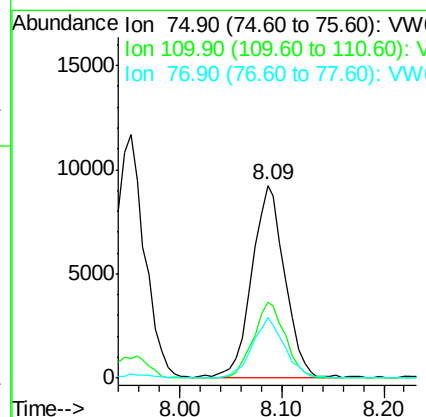
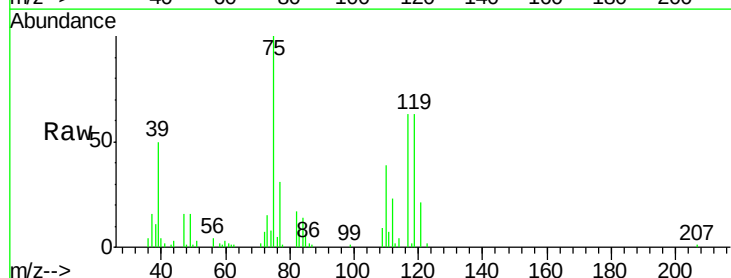
RT: 8.09 min Scan# 1014

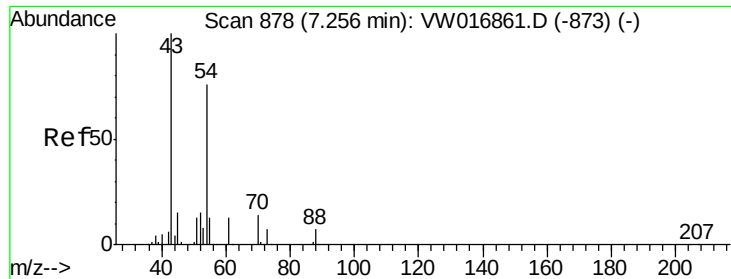
Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion:	75	Resp:	20919
Ion Ratio	Lower	Upper	
75	100		
110	37.9	19.3	57.9
77	30.3	25.0	37.6





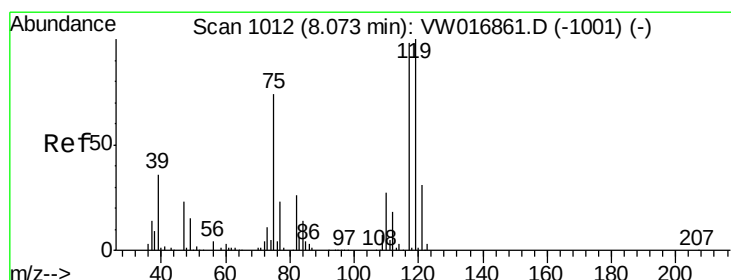
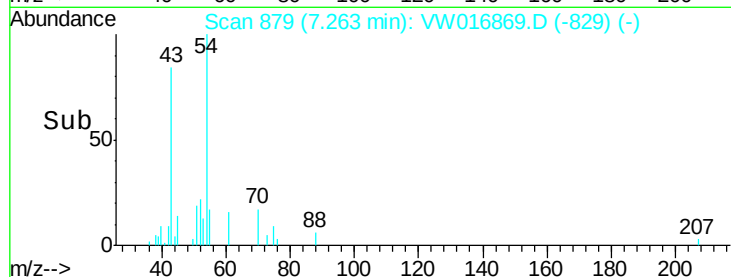
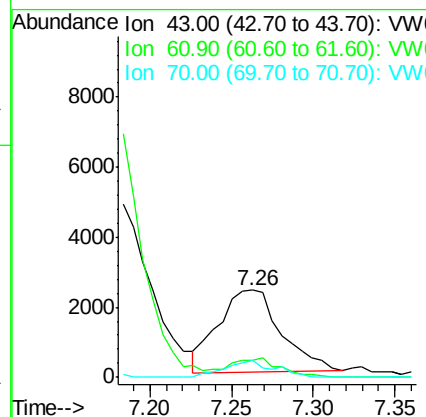
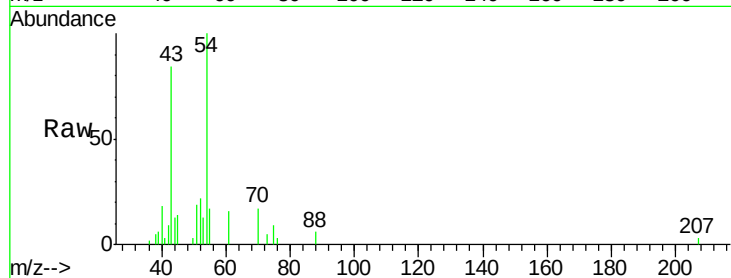
#37
Ethyl Acetate
Concen: 3.881 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	12.0	18.0
70	16.1	9.9	14.9

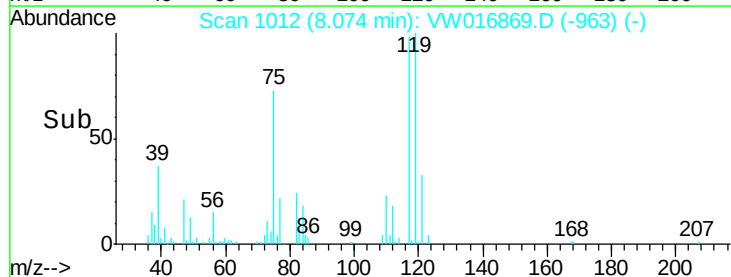
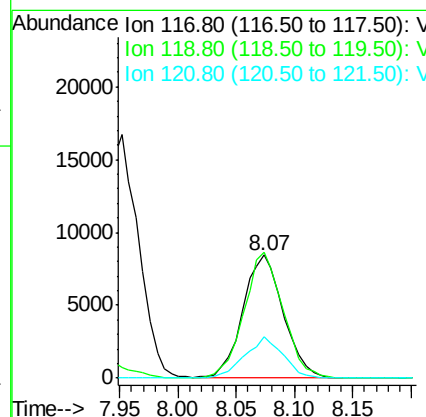
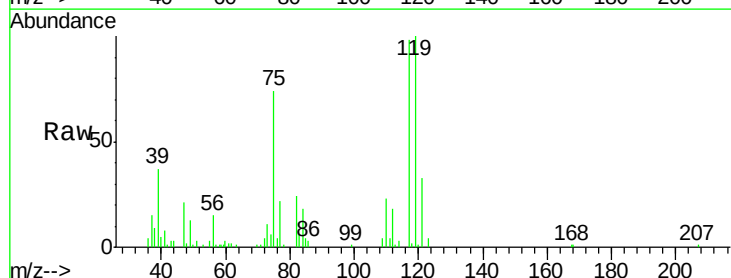
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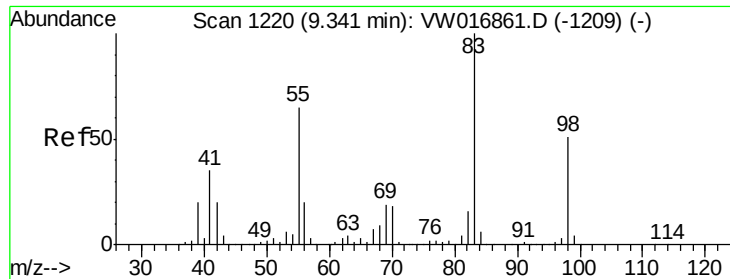
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#38
Carbon Tetrachloride
Concen: 3.976 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.0	81.6	122.4
121	33.3	25.7	38.5





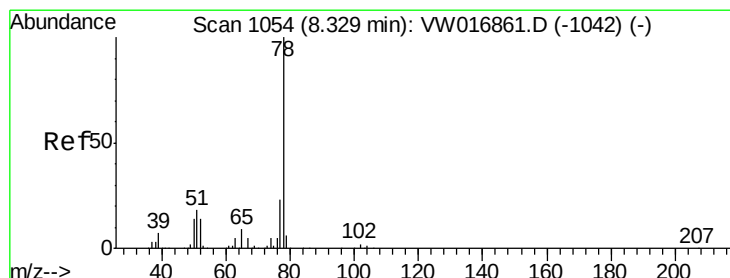
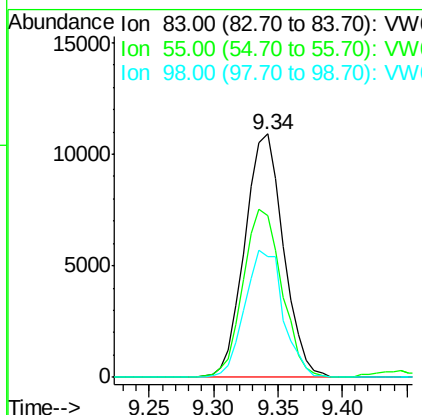
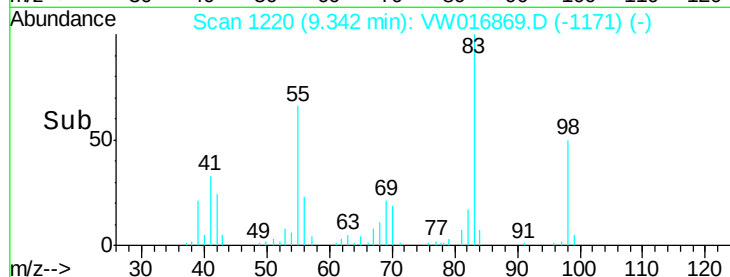
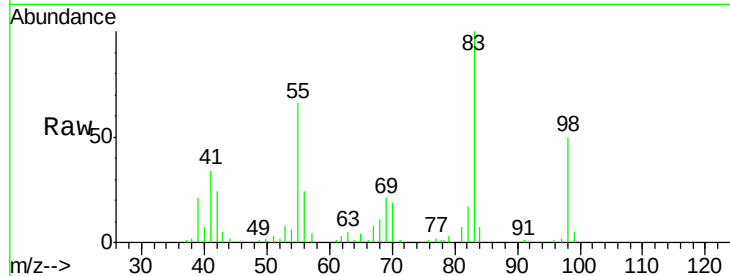
#39
Methylvlcyclohexane
Concen: 4.007 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.2	51.7	77.5
98	49.5	41.0	61.4

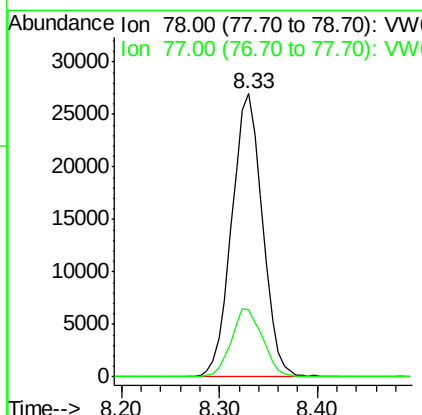
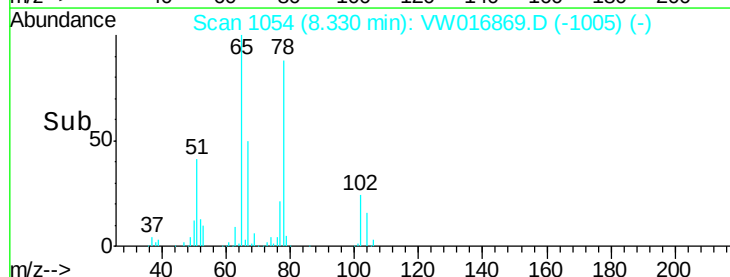
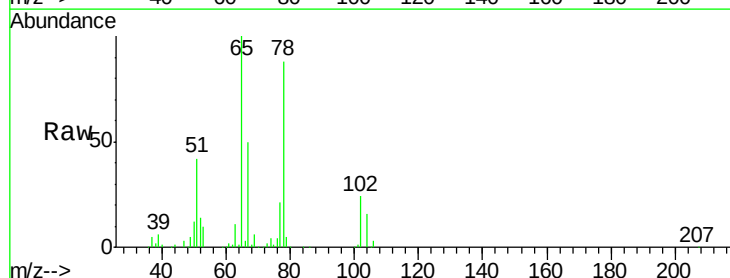
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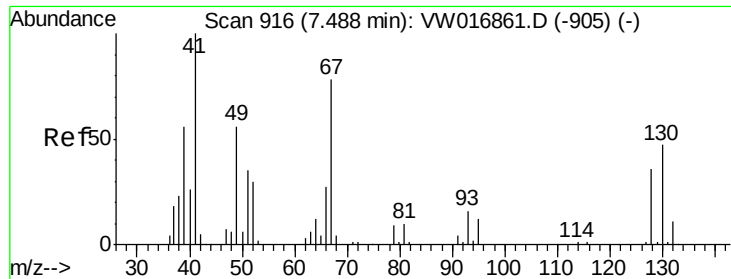
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#40
Benzene
Concen: 4.257 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.5	27.7





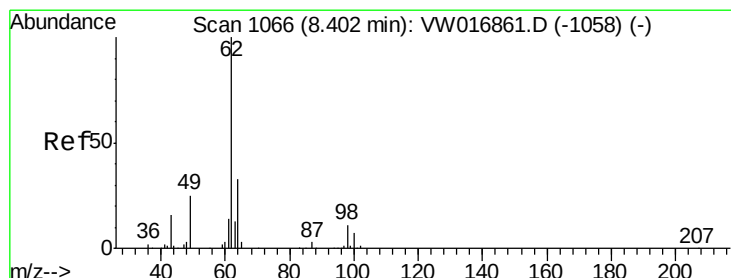
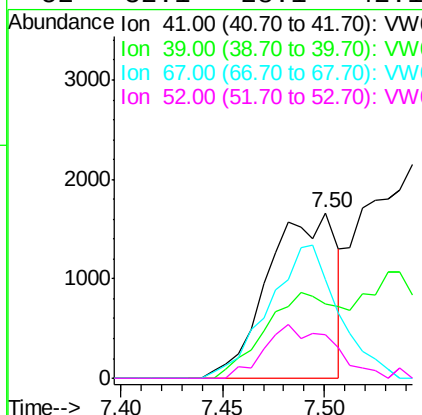
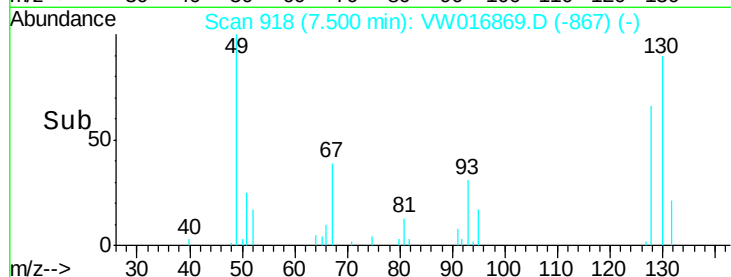
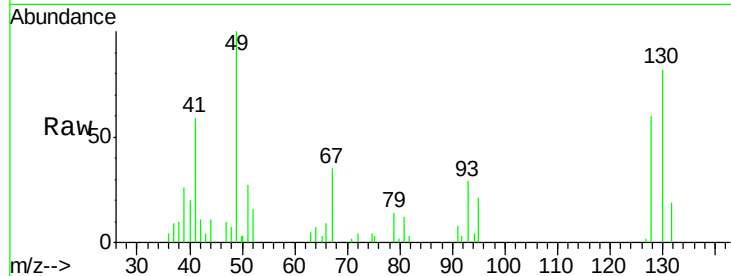
#41
Methacrylonitrile
Concen: 4.045 ug/l
RT: 7.50 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	41	Resp:	3885
Ion	Ratio	Lower	Upper
41	100		
39	59.3	47.0	70.6
67	81.7	68.6	102.8
52	32.1	28.1	42.1

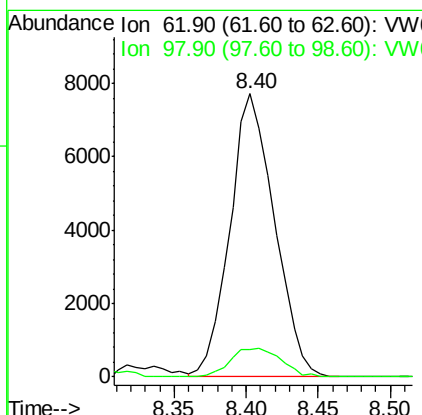
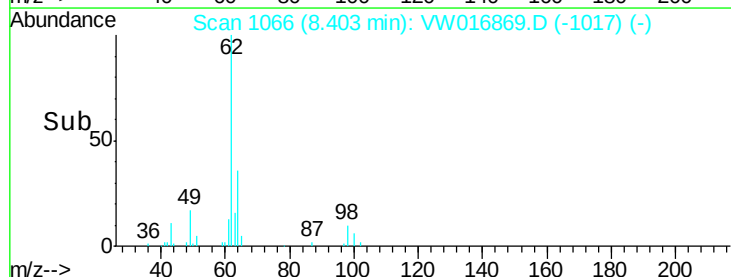
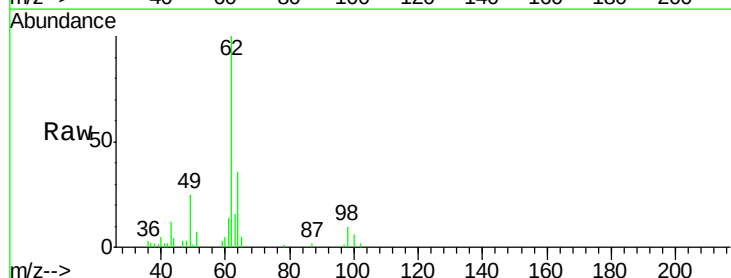
Manual Integrations
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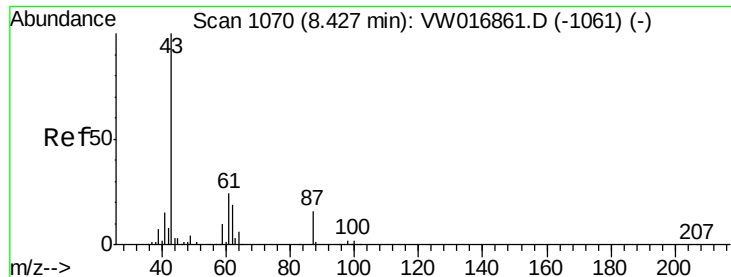
MMDadoda
10/12/2020 4:20:54 PM



#42
1,2-Dichloroethane
Concen: 4.397 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion:	62	Resp:	16623
Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 4.200 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

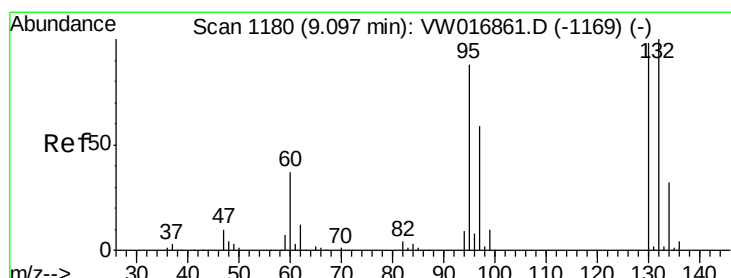
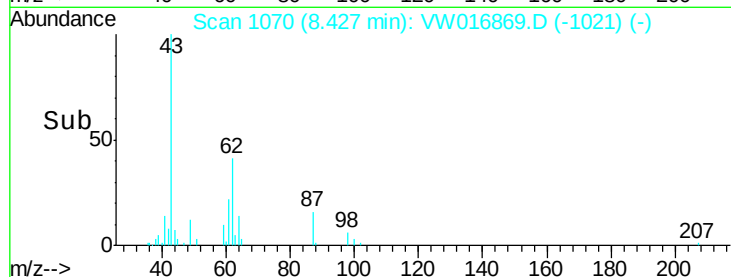
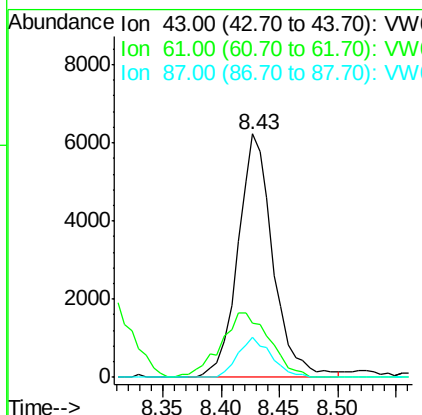
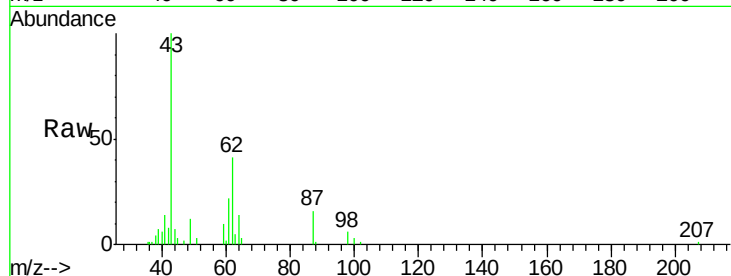
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	43	Resp:	13041
Ion	Ratio	Lower	Upper
43	100		
61	36.8	27.5	41.3
87	15.5	13.6	20.4

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#44

Trichloroethene

Concen: 4.217 ug/l

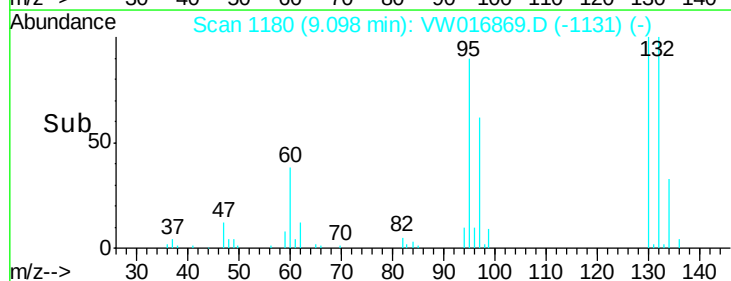
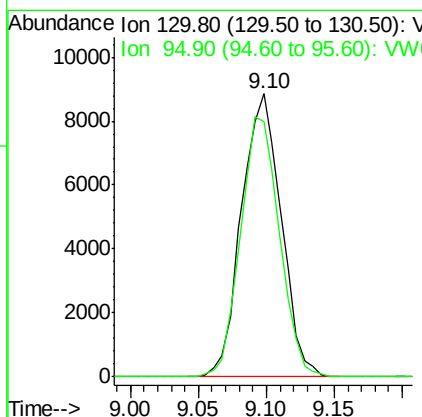
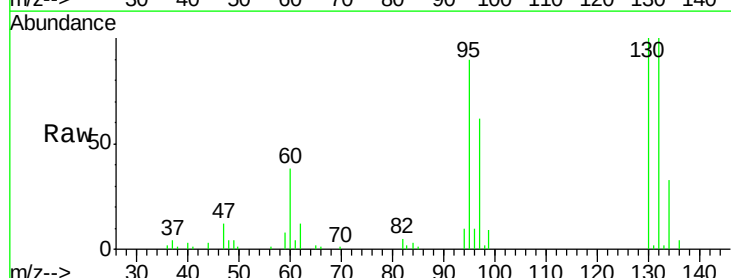
RT: 9.10 min Scan# 1180

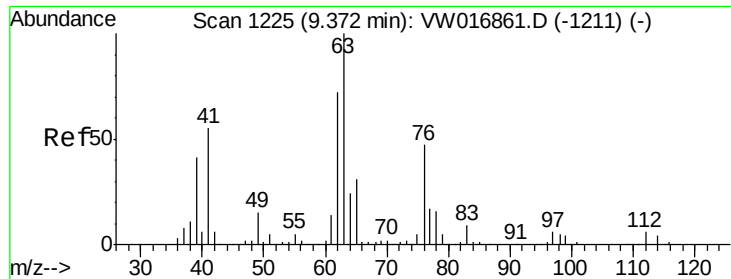
Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion:	130	Resp:	18041
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	180.2





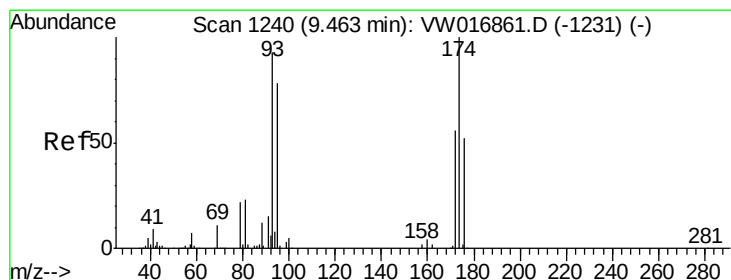
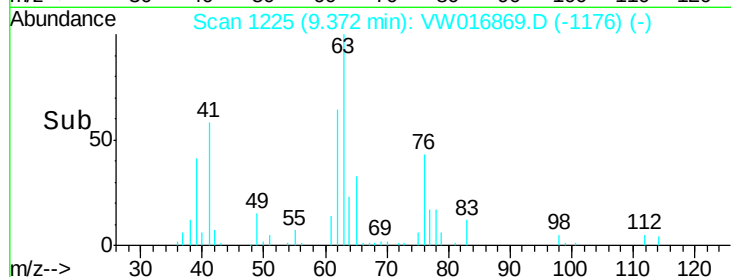
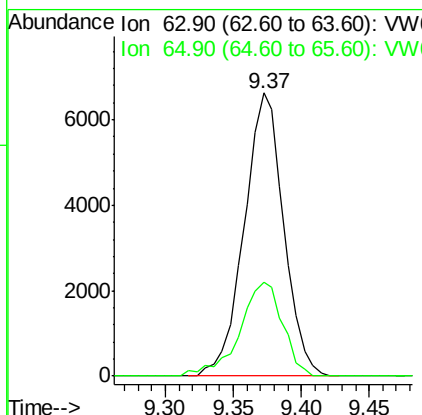
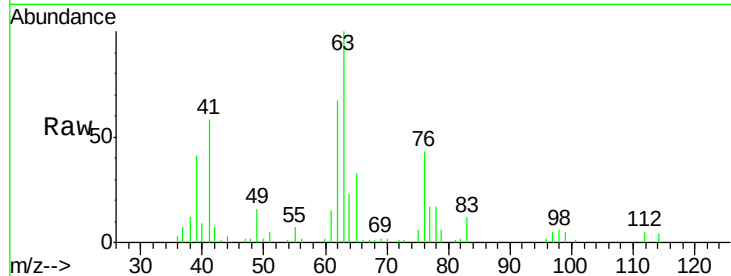
#45
 1,2-Dichloropropane
 Concen: 4.267 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 63 Resp: 13450
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.1 37.7

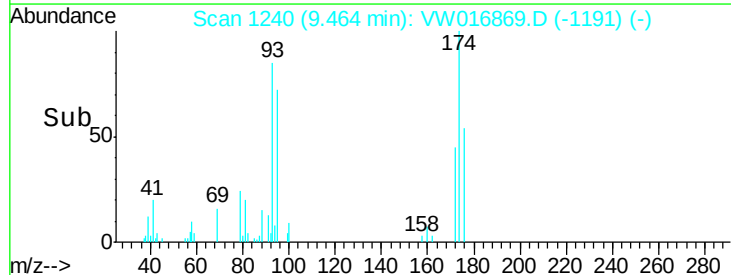
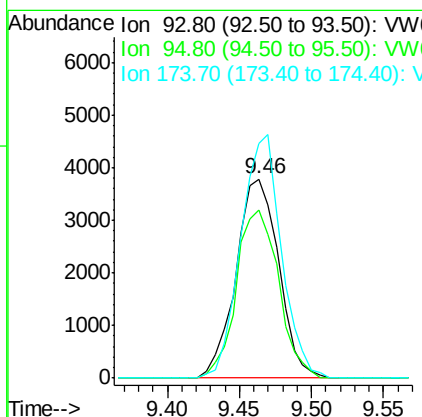
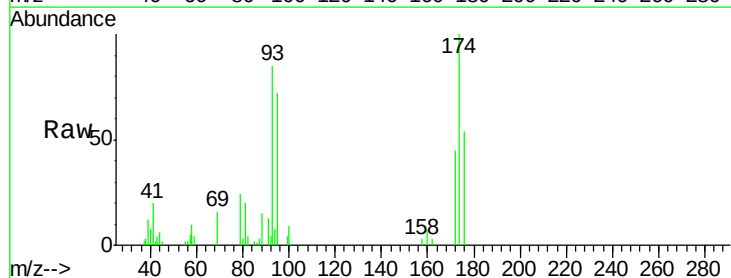
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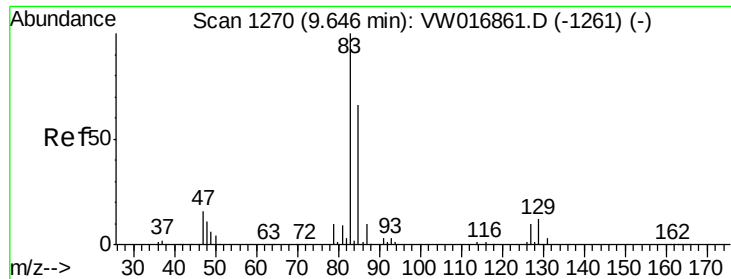
MMDadoda
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#46
 Dibromomethane
 Concen: 4.325 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion: 93 Resp: 7798
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.5 99.7
 174 115.8 91.0 136.6





#47

Bromodichloromethane

Concen: 4.197 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

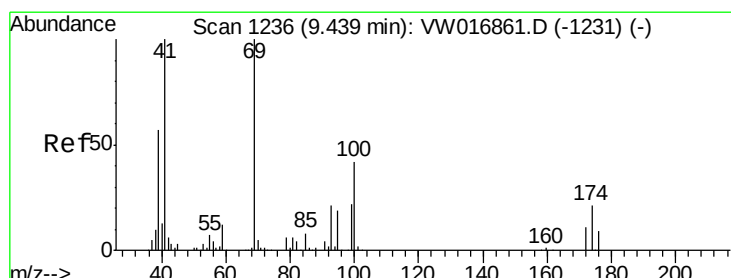
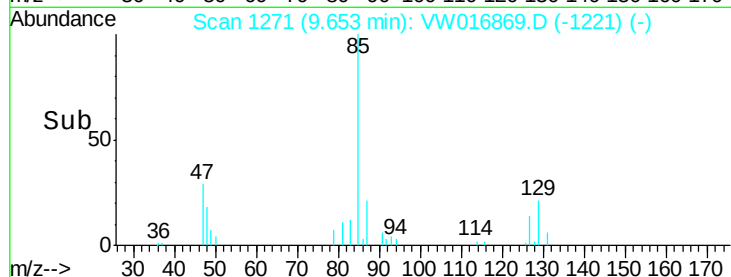
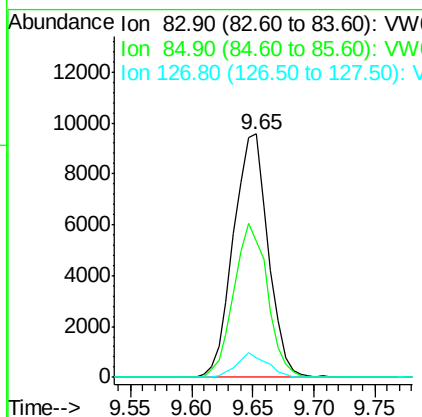
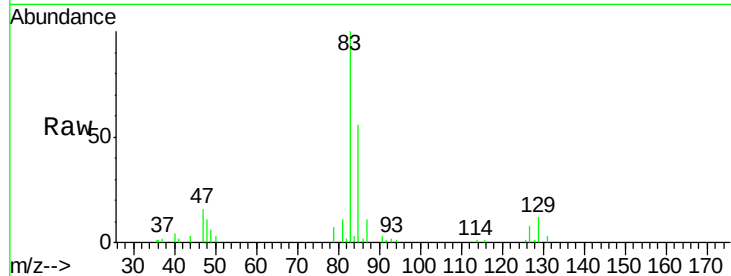
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	83	Resp:	18816
Ion Ratio	Lower	Upper	
83	100		
85	55.8	52.7	79.1
127	7.8	7.8	11.6

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#48

Methyl methacrylate

Concen: 3.964 ug/l

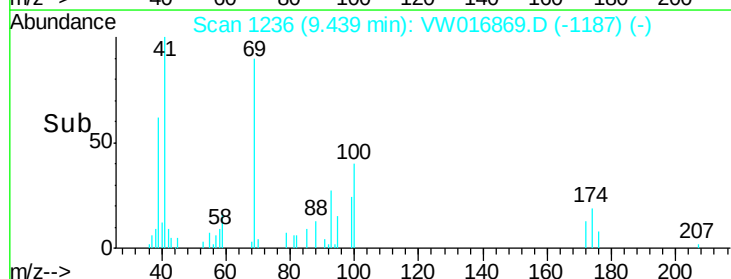
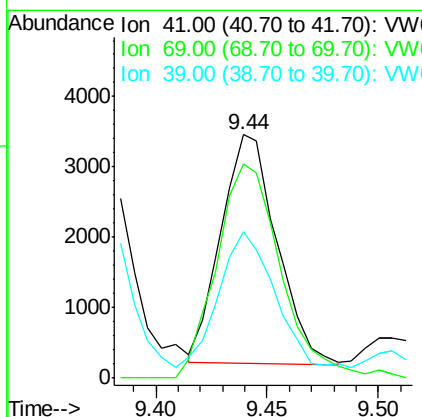
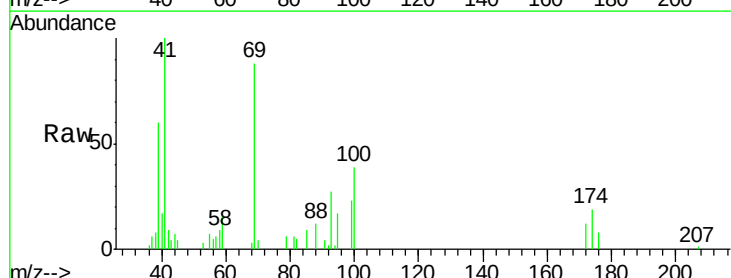
RT: 9.44 min Scan# 1236

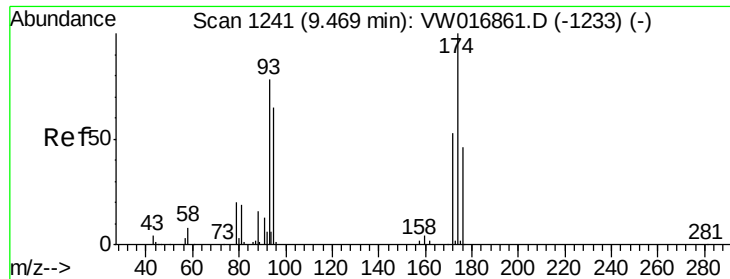
Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion:	41	Resp:	5671
Ion Ratio	Lower	Upper	
41	100		
69	108.3	83.5	125.3
39	66.5	50.9	76.3





#49

1,4-Dioxane

Concen: 82.603 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

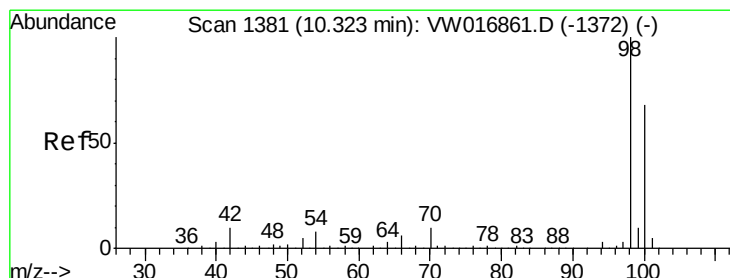
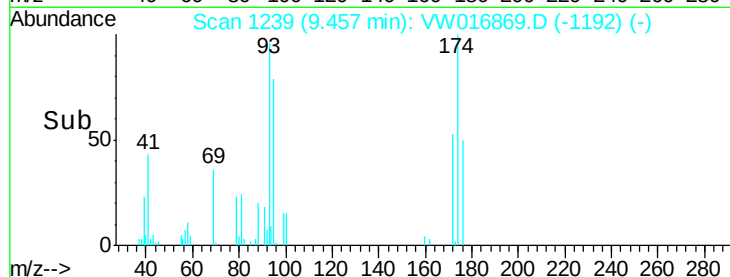
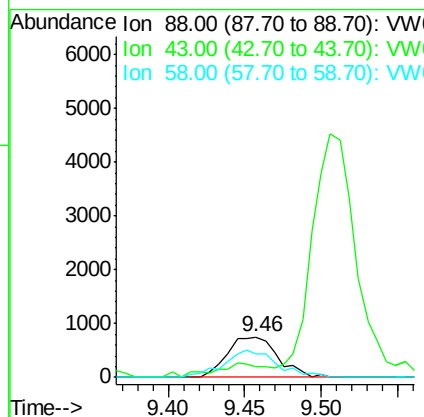
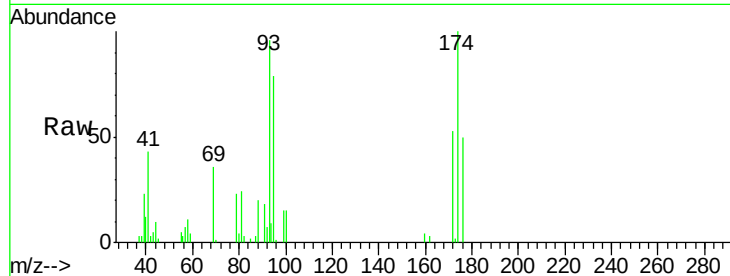
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 88 Resp: 1713

Ion	Ratio	Lower	Upper
88	100		
43	37.3	0.0	0.0#
58	70.9	54.0	81.0

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#50

Toluene-d8

Concen: 50.899 ug/l

RT: 10.33 min Scan# 1382

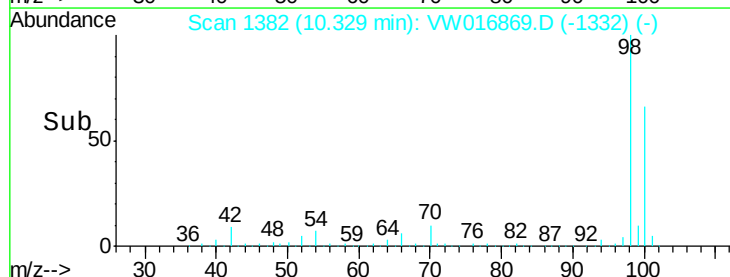
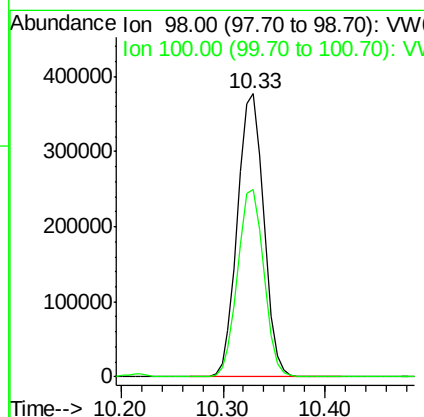
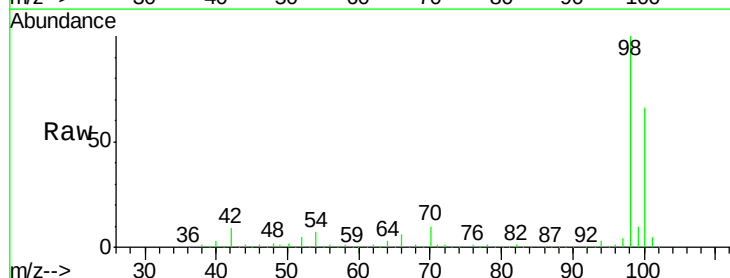
Delta R.T. 0.01 min

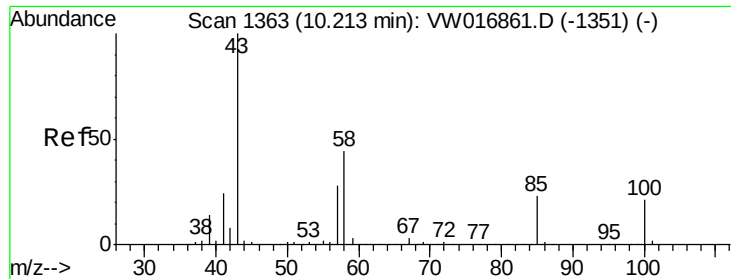
Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion: 98 Resp: 671227

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 21.723 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 34121

Ion Ratio Lower Upper

43 100

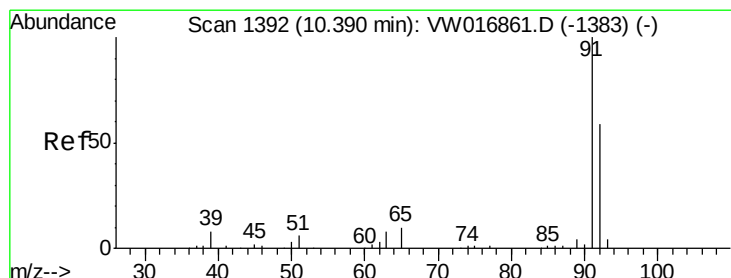
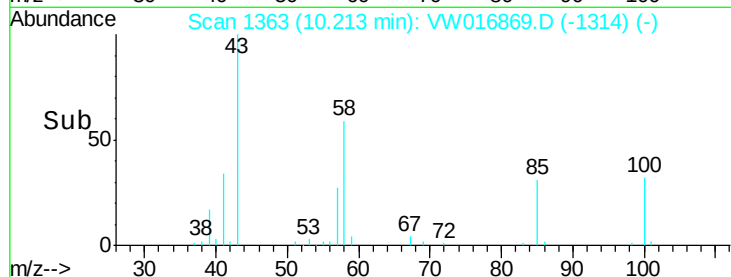
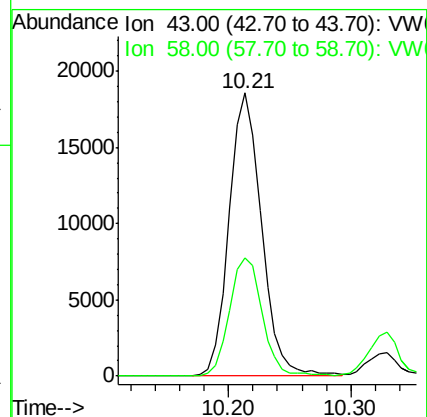
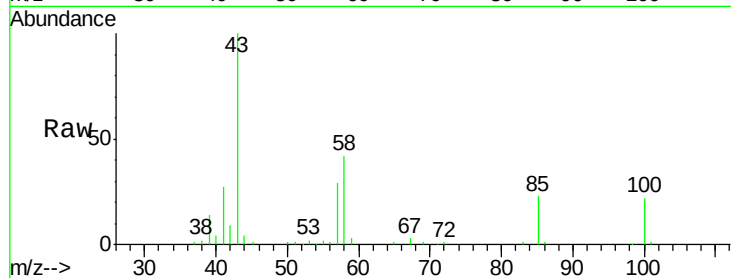
58 42.1 34.7 52.1

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#52

Toluene

Concen: 4.234 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016869.D

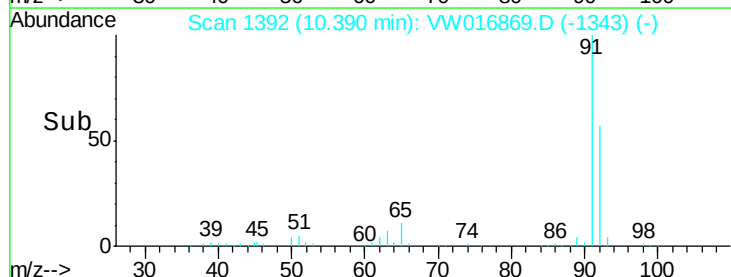
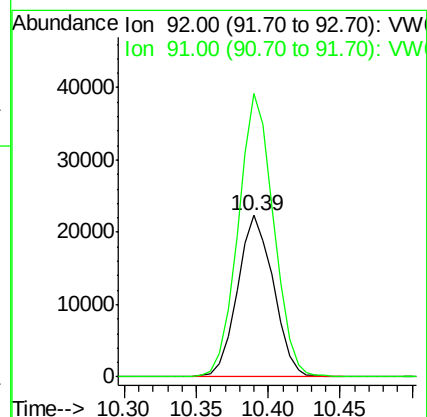
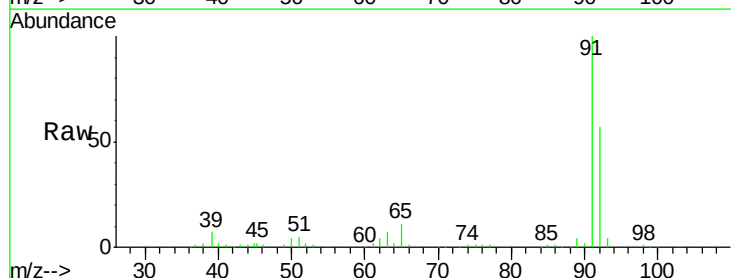
Acq: 09 Oct 2020 19:18

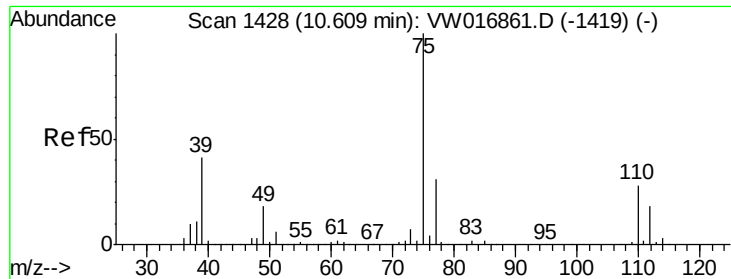
Tgt Ion: 92 Resp: 38684

Ion Ratio Lower Upper

92 100

91 173.0 134.7 202.1





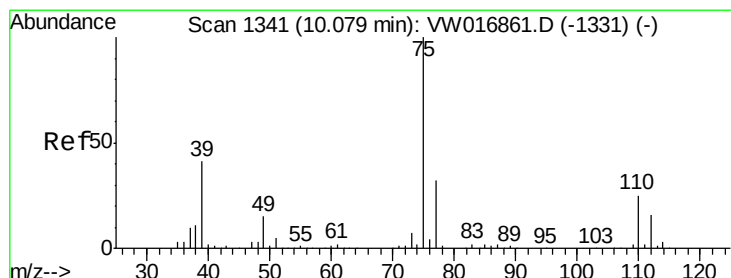
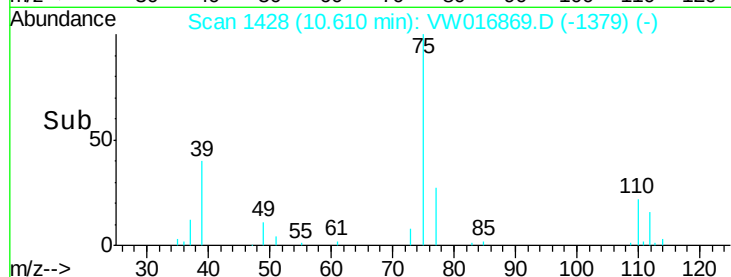
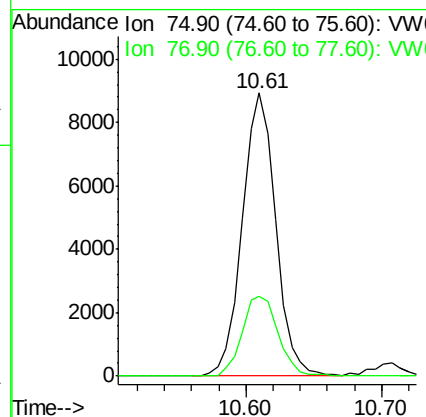
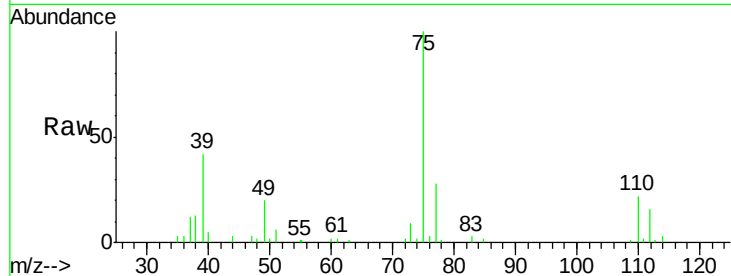
#53
t-1,3-Dichloropropene
Concen: 3.753 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 75 Resp: 15314
Ion Ratio Lower Upper
75 100
77 28.3 24.8 37.2

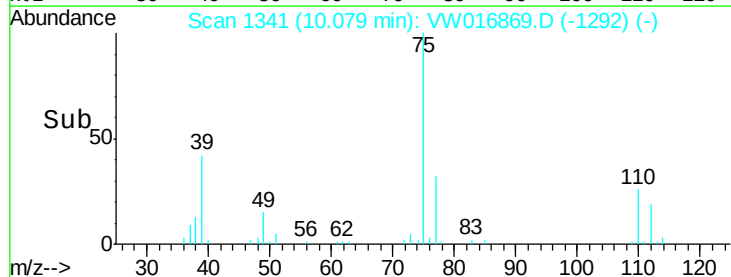
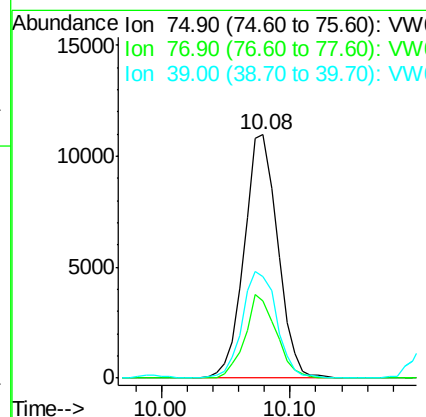
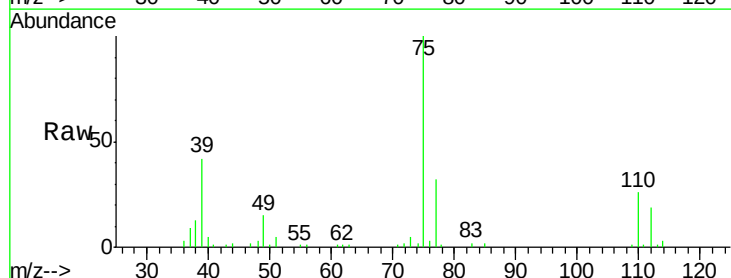
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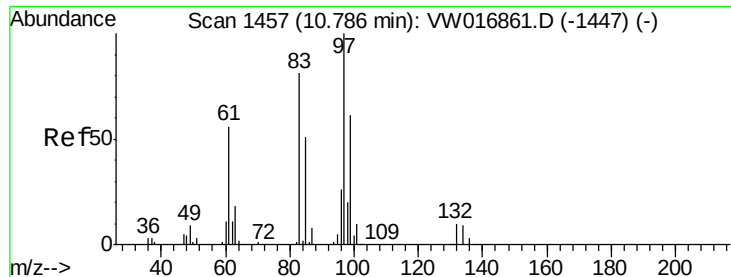
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#54
cis-1,3-Dichloropropene
Concen: 3.953 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion: 75 Resp: 19704
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.6
39 41.6 32.9 49.3





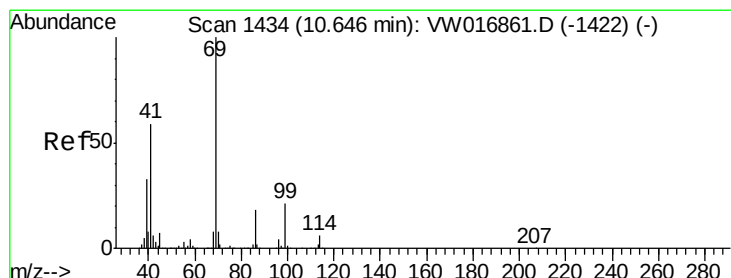
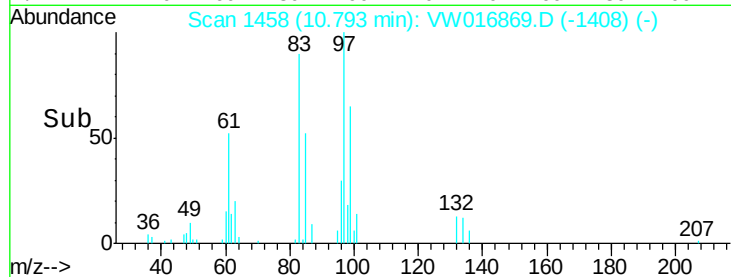
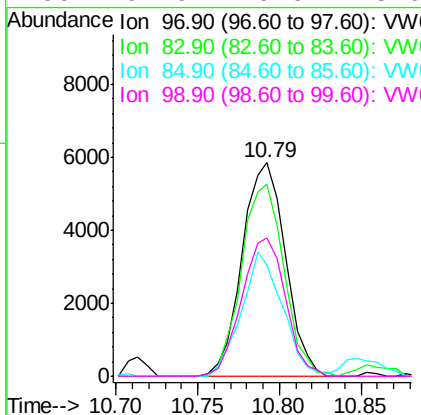
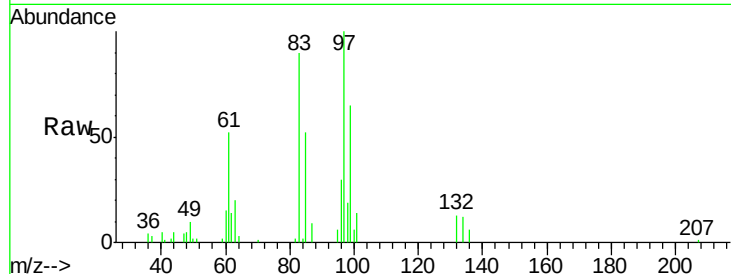
#55
 1,1,2-Trichloroethane
 Concen: 4.203 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	97	Resp:	10787
Ion	Ratio	Lower	Upper
97	100		
83	89.7	64.6	97.0
85	52.0	40.6	61.0
99	64.6	49.0	73.6

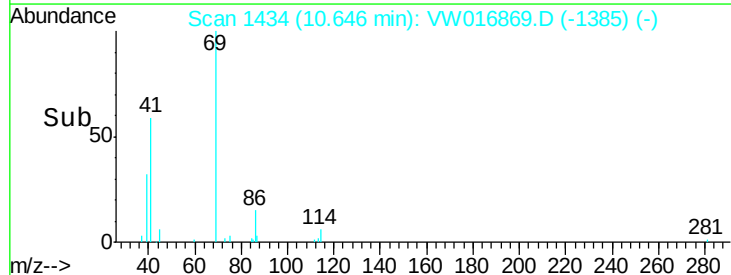
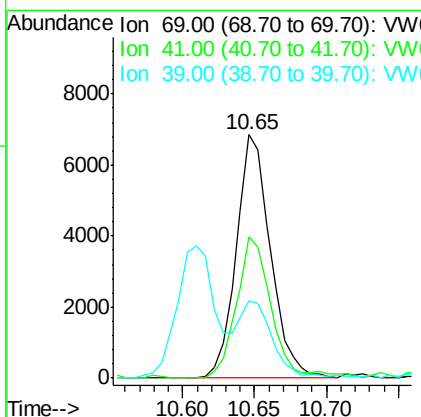
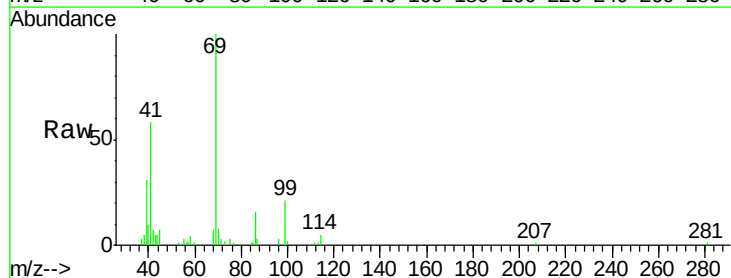
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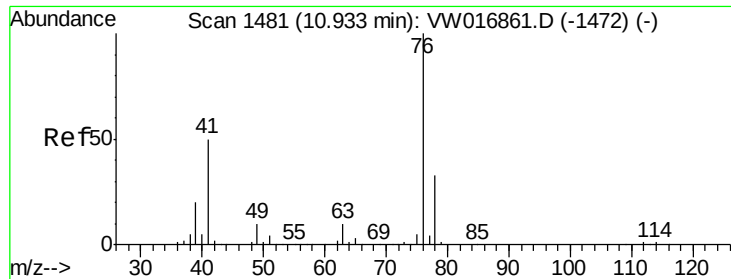
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#56
 Ethyl methacrylate
 Concen: 4.054 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion:	69	Resp:	11318
Ion	Ratio	Lower	Upper
69	100		
41	59.2	46.3	69.5
39	28.4	25.9	38.9





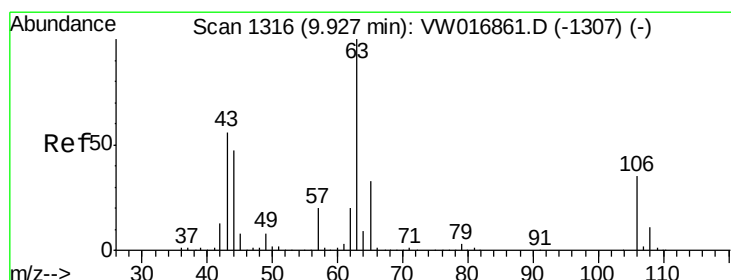
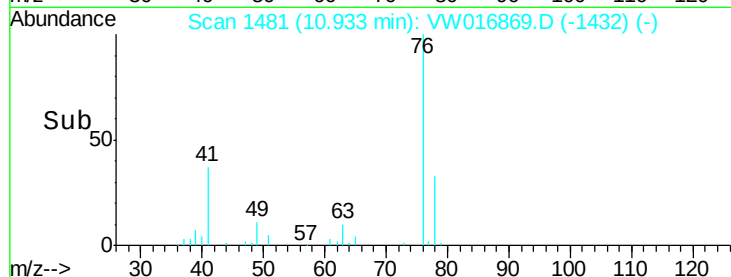
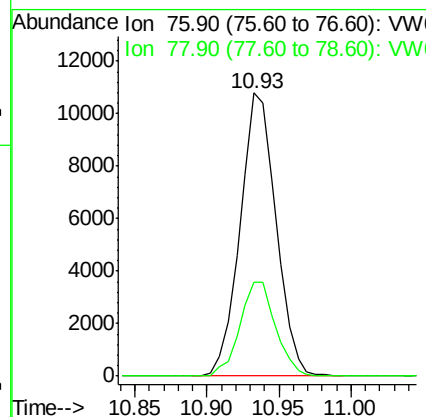
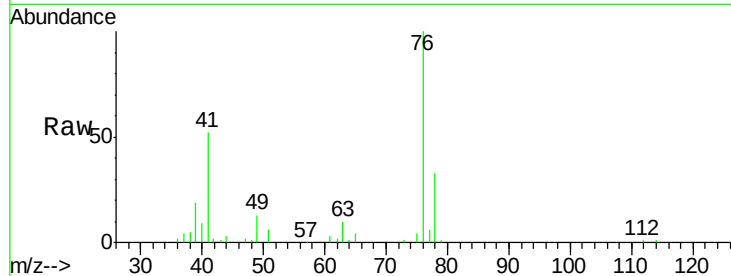
#57
 1,3-Dichloropropane
 Concen: 4.397 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 76 Resp: 18668
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.0 39.0

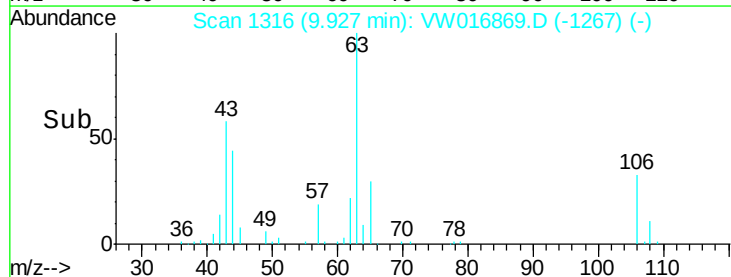
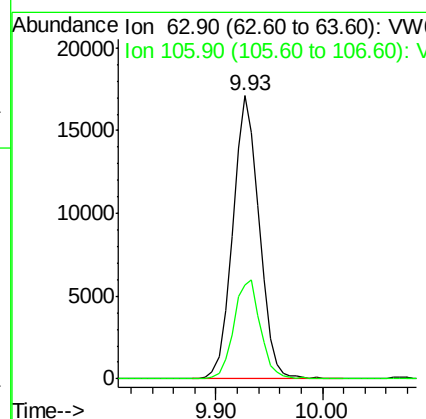
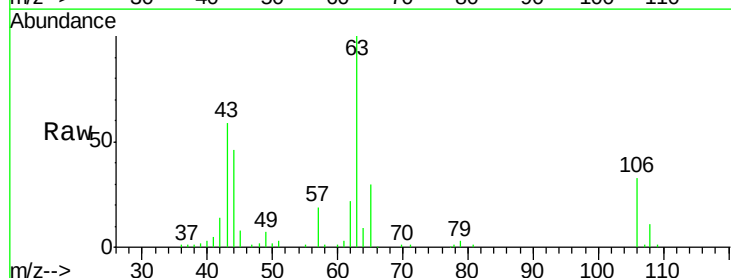
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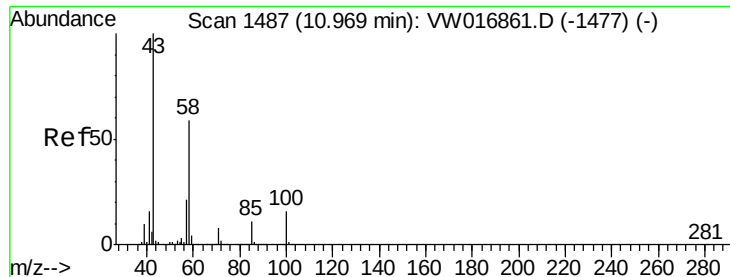
MMDadoda
 10/12/2020 4:20:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.277 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion: 63 Resp: 29821
 Ion Ratio Lower Upper
 63 100
 106 35.0 27.0 40.4





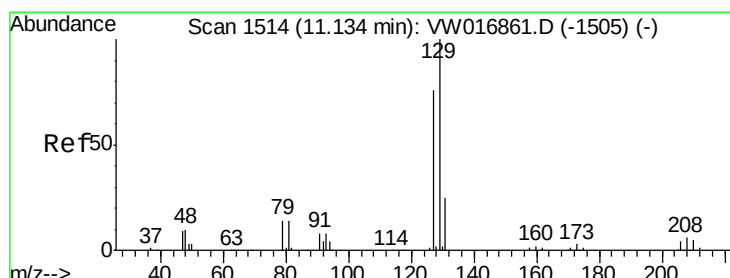
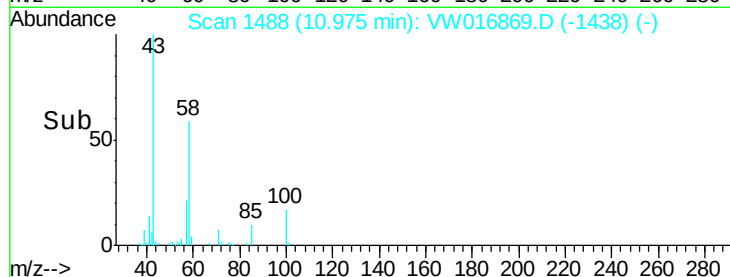
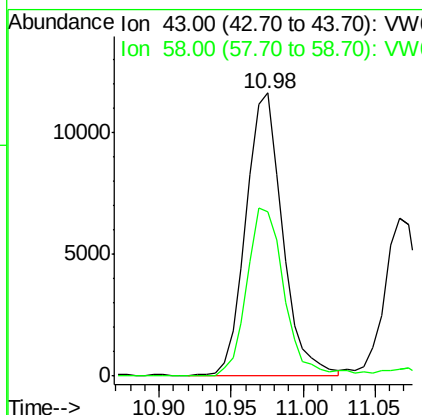
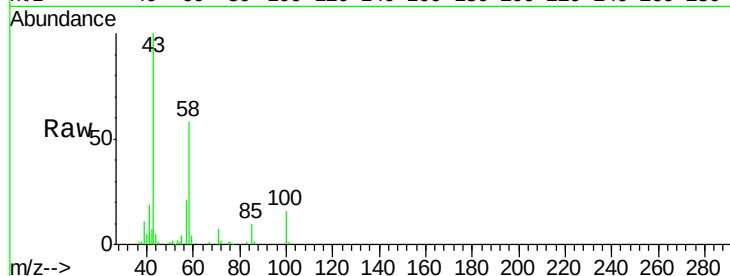
#59
2-Hexanone
Concen: 19.750 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion	43	Resp	20525
Ion Ratio	100	Lower	Upper
43	100		
58	60.3	29.5	88.5

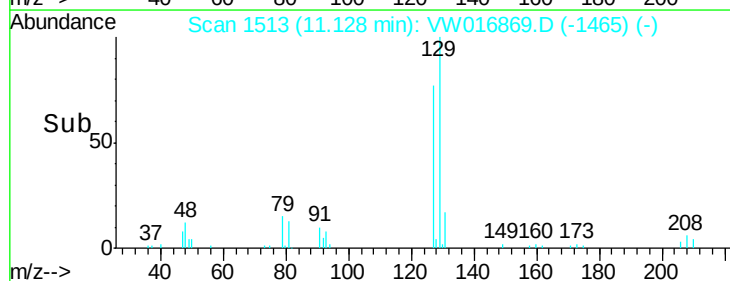
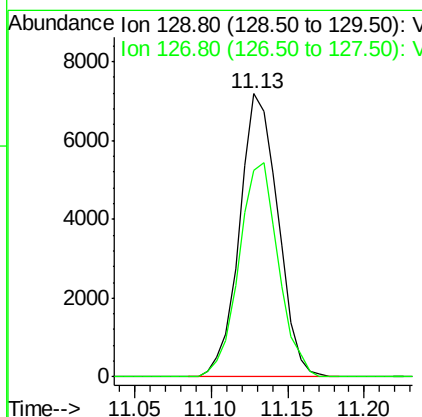
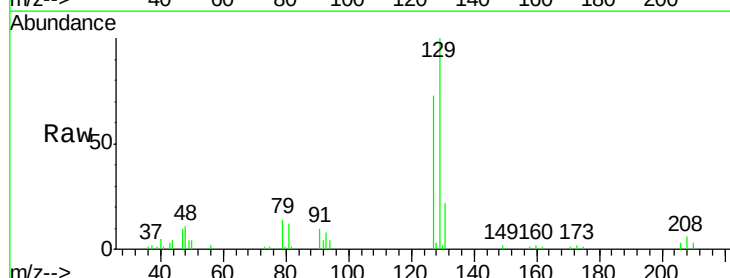
Manual Integrations
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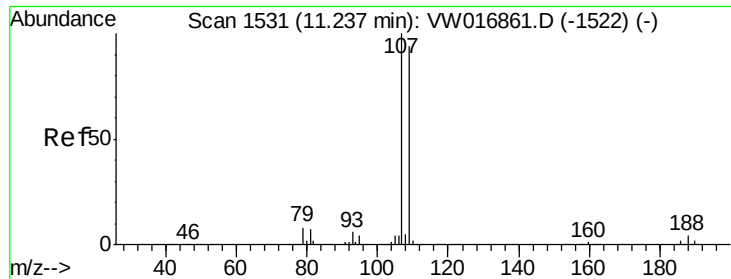
MMDadoda
10/12/2020 4:20:54 PM



#60
Dibromochloromethane
Concen: 3.986 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion	129	Resp	12547	
Ion Ratio <th>129</th> <th>100</th> <th>Lower</th> <th>Upper</th>	129	100	Lower	Upper
129	100			
127	77.3	38.9	116.6	





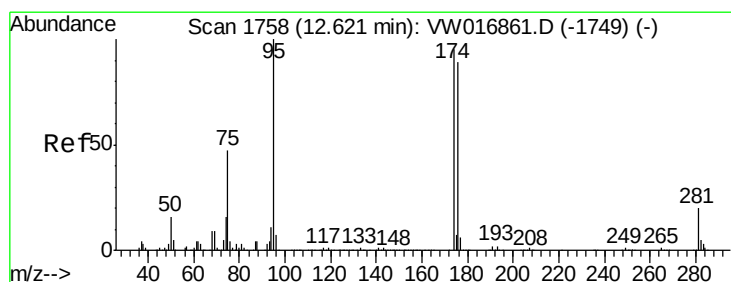
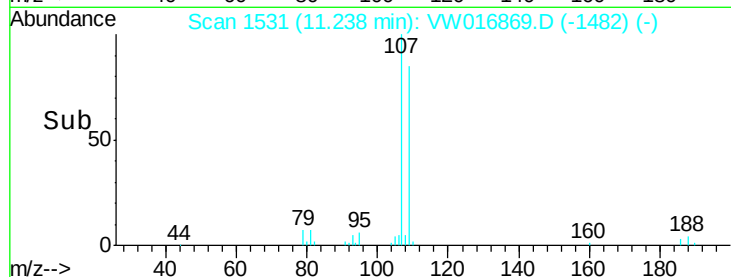
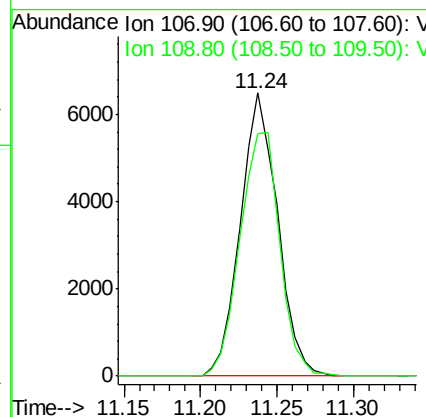
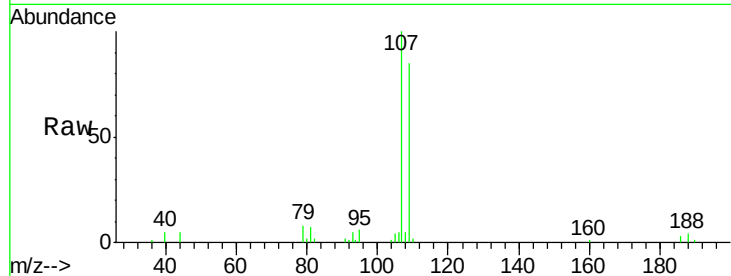
#61
 1,2-Dibromoethane
 Concen: 4.306 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 107 Resp: 10944
 Ion Ratio Lower Upper
 107 100
 109 92.4 74.7 112.1

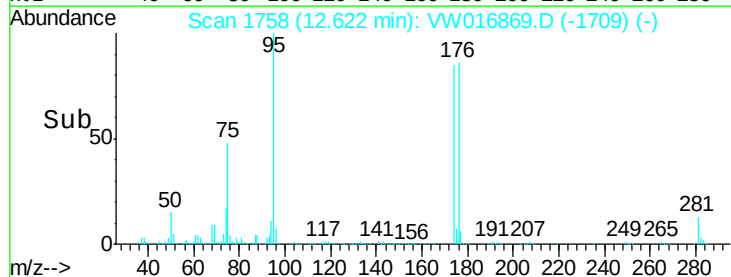
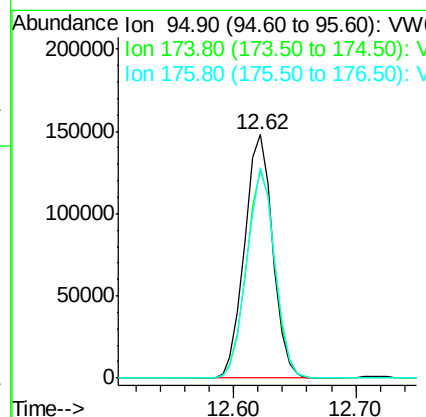
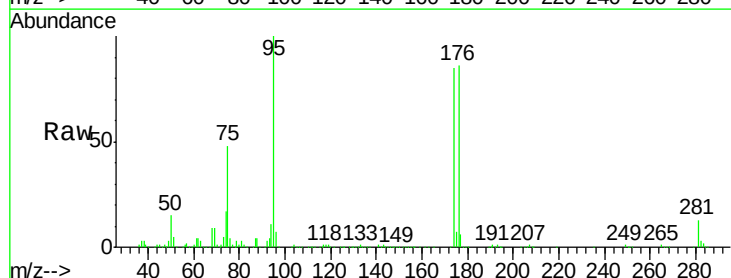
Manual Integrations
 APPROVED

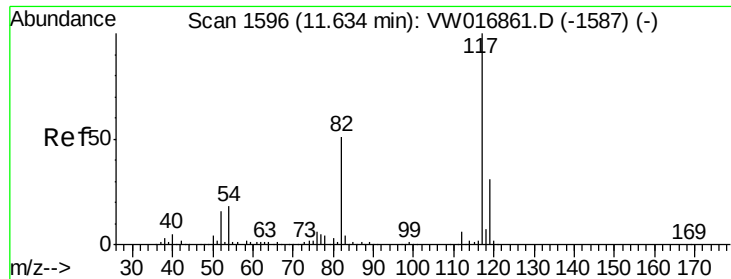
MMDadoda
 10/12/2020 4:20:54 PM



#62
 4-Bromofluorobenzene
 Concen: 51.983 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion: 95 Resp: 236396
 Ion Ratio Lower Upper
 95 100
 174 86.2 0.0 180.6
 176 86.2 0.0 177.6





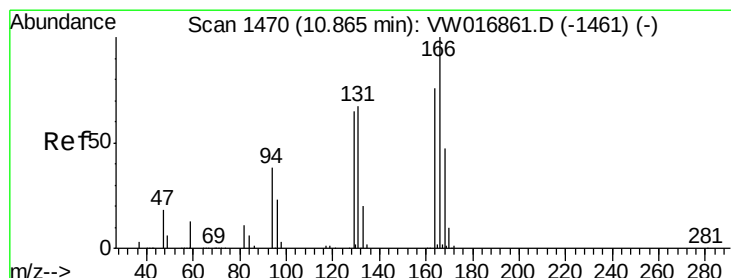
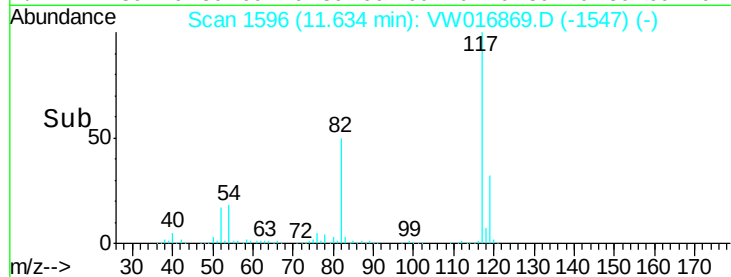
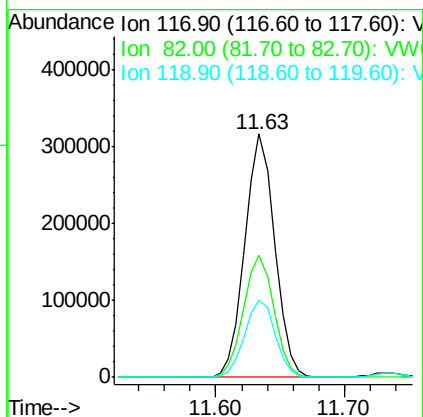
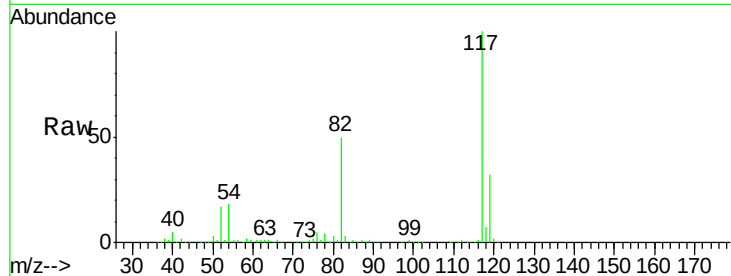
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	40.7	61.1
119	31.7	25.0	37.4

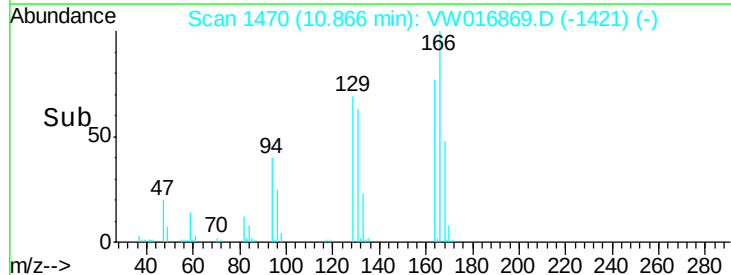
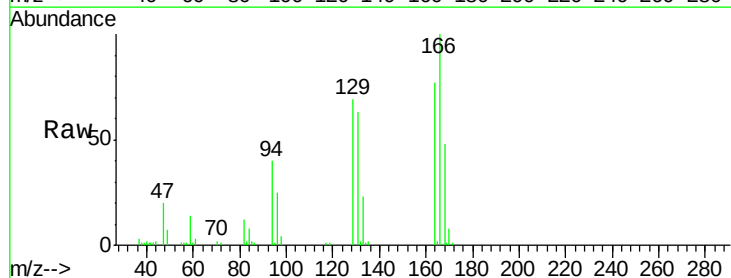
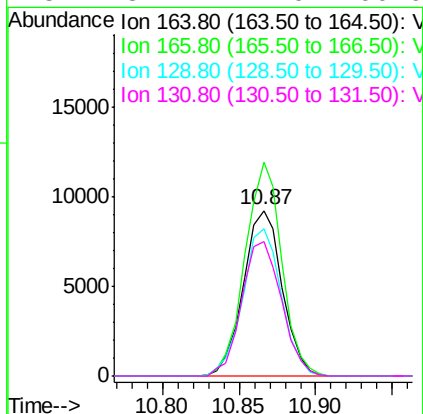
Manual Integrations
APPROVED

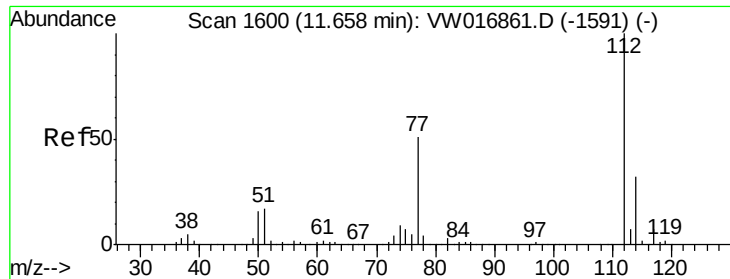
MMDadoda
10/12/2020 4:20:54 PM



#64
Tetrachloroethene
Concen: 4.508 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	105.3	157.9
129	88.7	68.8	103.2
131	81.1	71.0	106.6





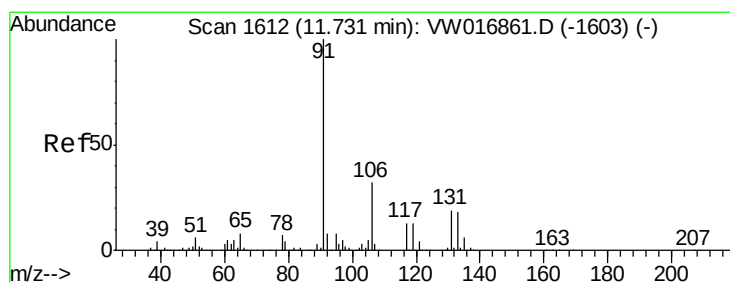
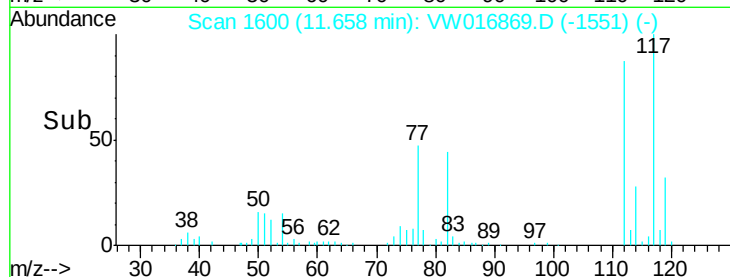
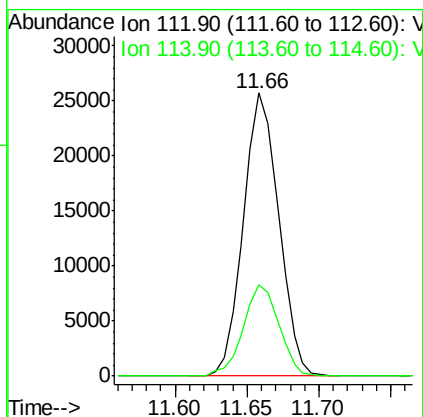
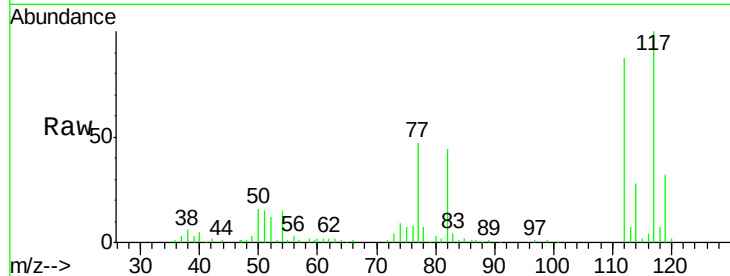
#65
Chlorobenzene
Concen: 4.394 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:112 Resp: 43729
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

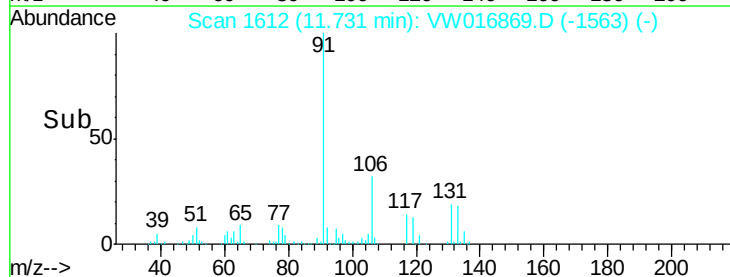
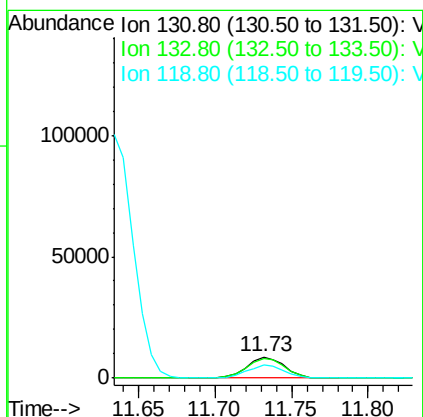
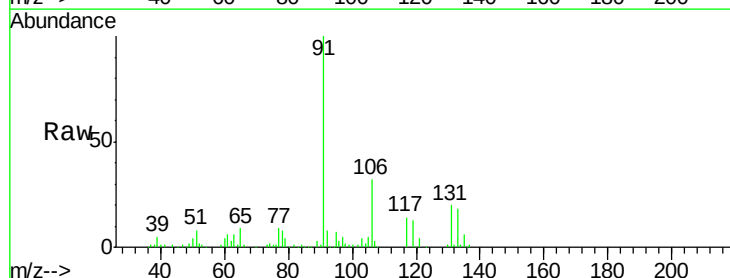
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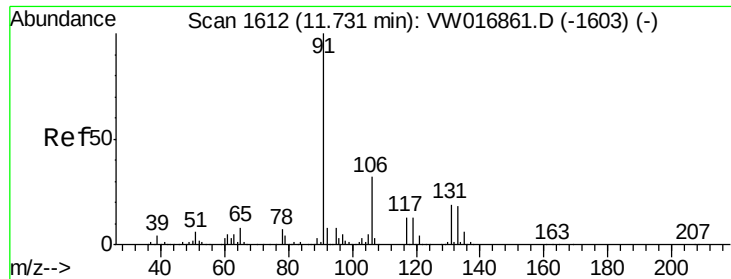
MMDadoda
10/12/2020 4:20:54 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.142 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion:131 Resp: 14578
Ion Ratio Lower Upper
131 100
133 96.9 48.1 144.3
119 63.3 32.5 97.4





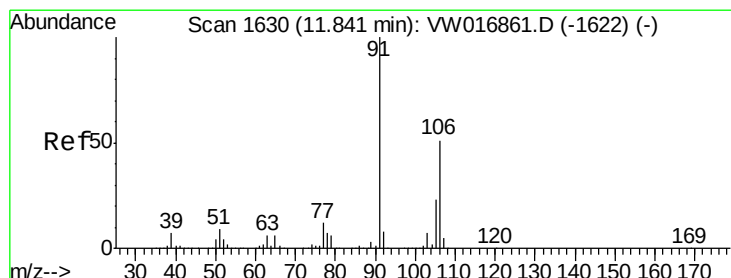
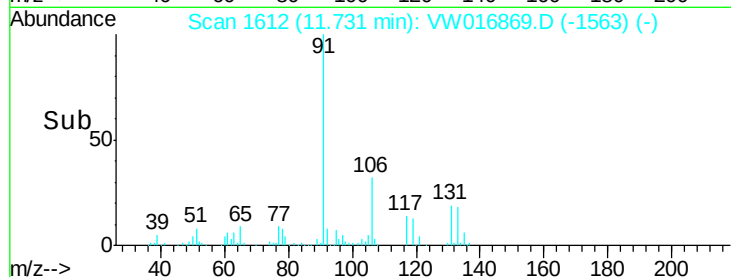
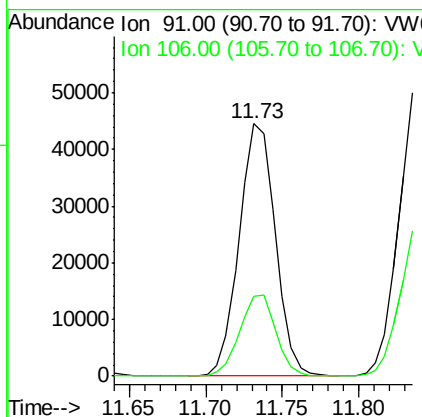
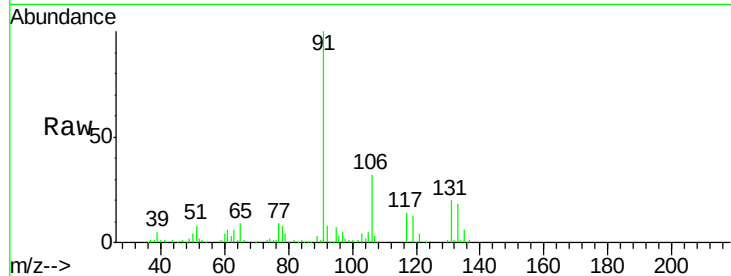
#67
Ethyl Benzene
Concen: 4.228 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 91 Resp: 73321
Ion Ratio Lower Upper
91 100
106 31.6 25.9 38.9

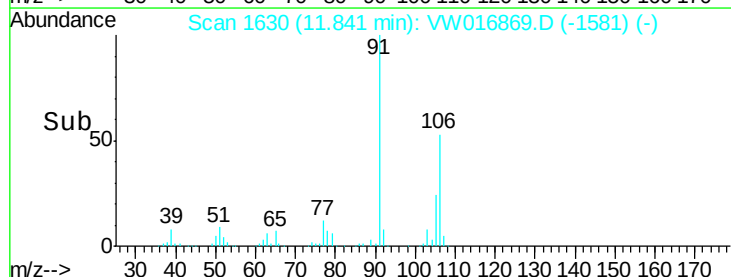
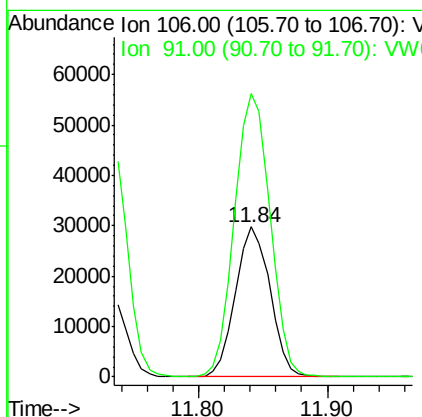
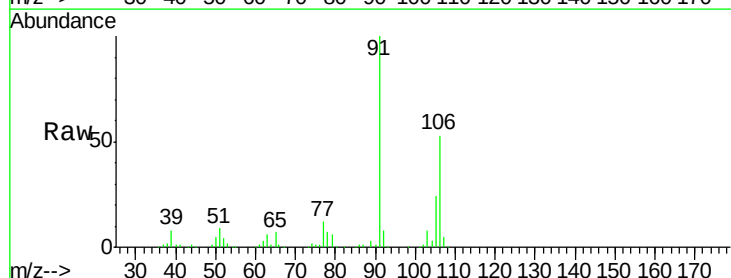
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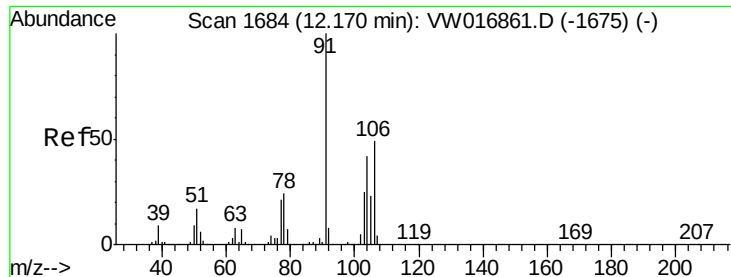
MMDadoda
10/12/2020 4:20:54 PM



#68
m/p-Xylenes
Concen: 8.206 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion: 106 Resp: 55344
Ion Ratio Lower Upper
106 100
91 195.2 157.4 236.0





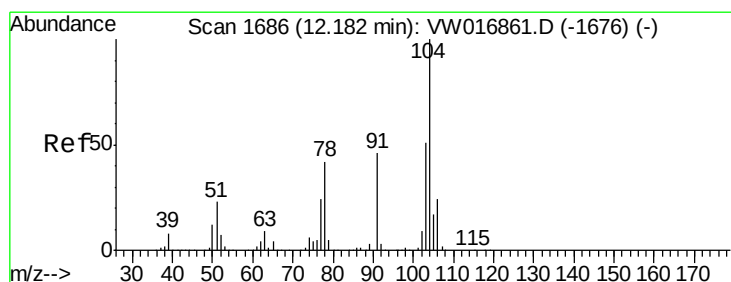
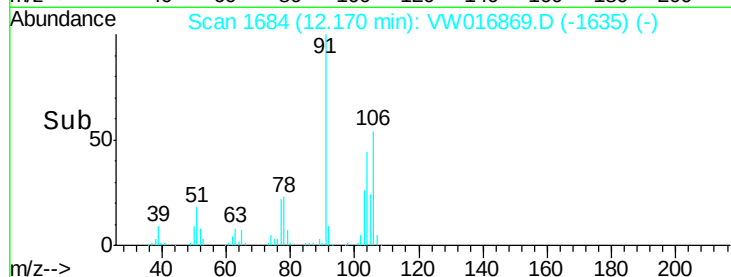
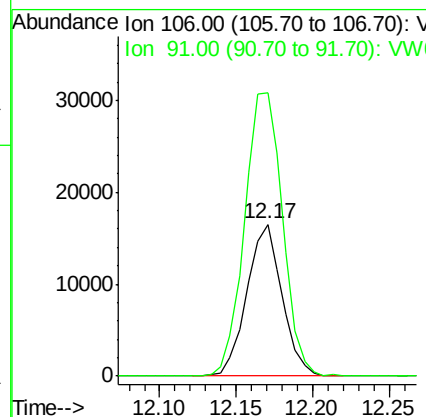
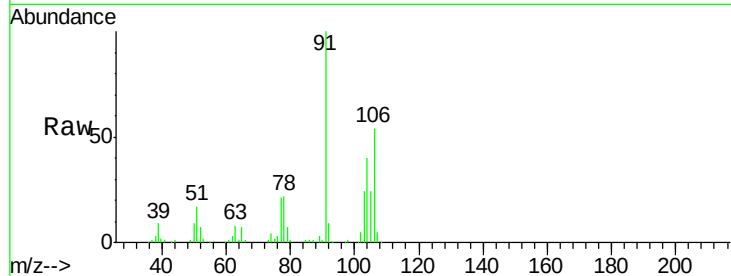
#69
o-Xylene
Concen: 4.238 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:106 Resp: 26232
Ion Ratio Lower Upper
106 100
91 202.7 103.6 310.9

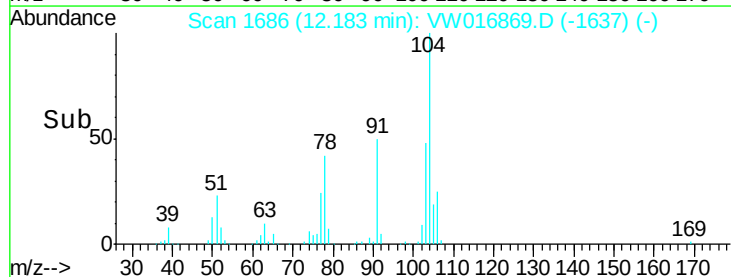
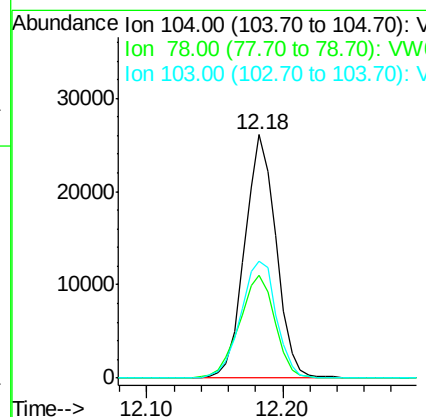
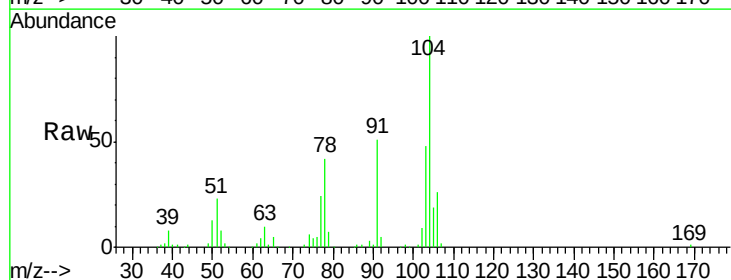
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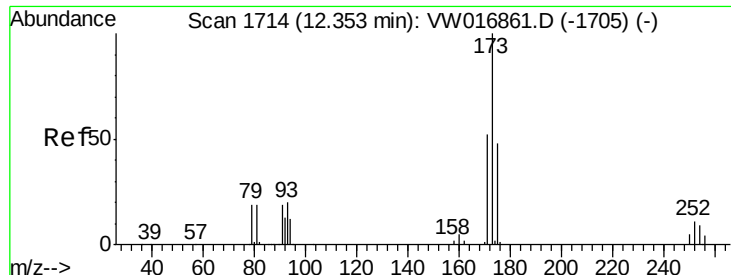
MMDadoda
10/12/2020 4:20:54 PM



#70
Styrene
Concen: 4.085 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion:104 Resp: 42076
Ion Ratio Lower Upper
104 100
78 47.9 37.6 56.4
103 54.5 43.6 65.4





#71

Bromoform

Concen: 3.920 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

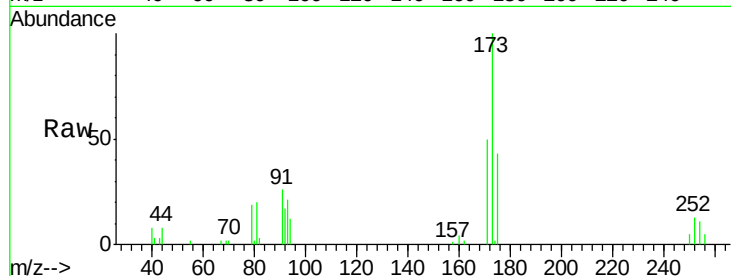
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.4	24.7	74.1
254	0.0	0.1	0.1#

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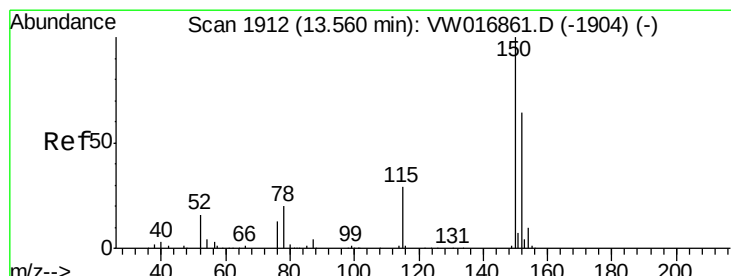
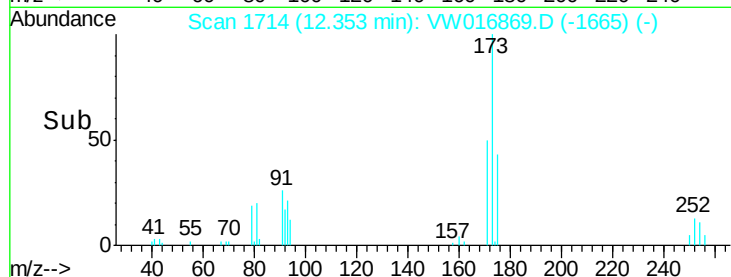
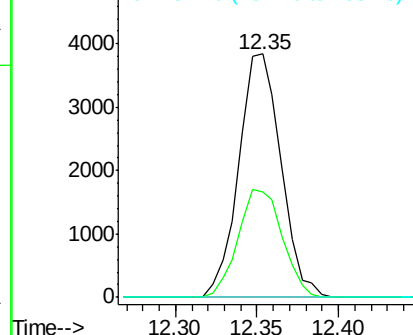


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

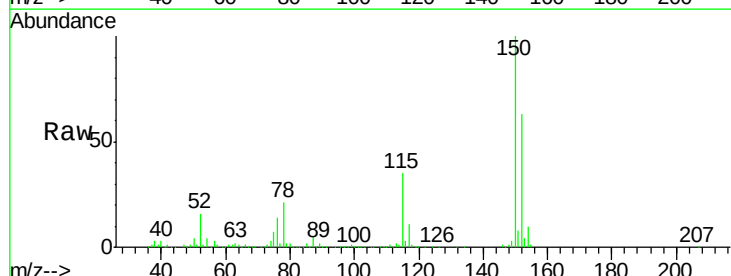
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.9	83.7
150	155.9	0.0	344.0

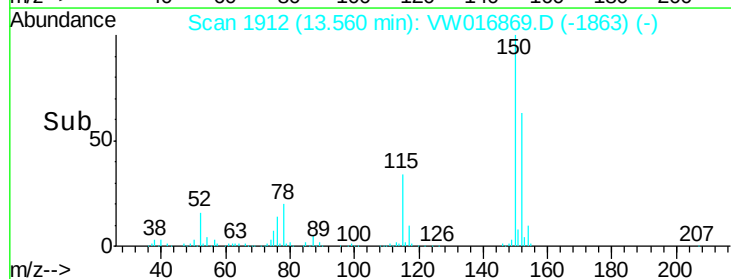
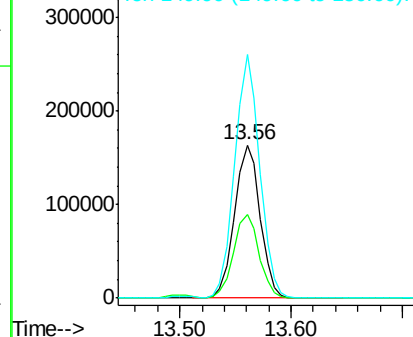


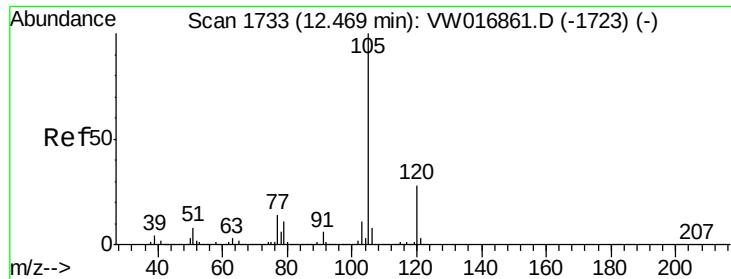
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





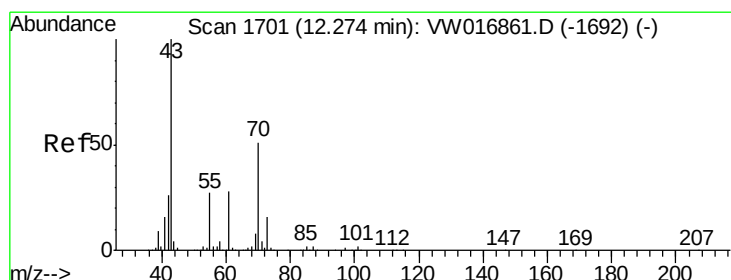
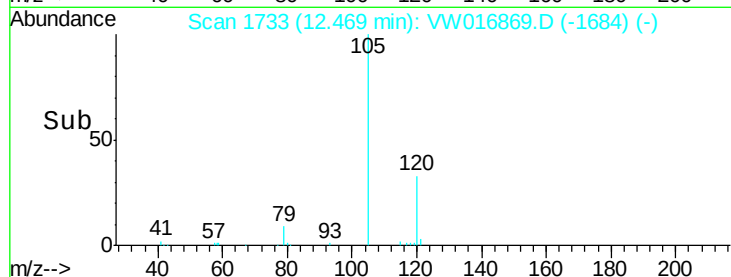
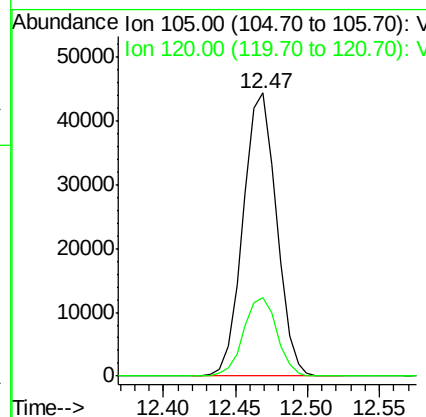
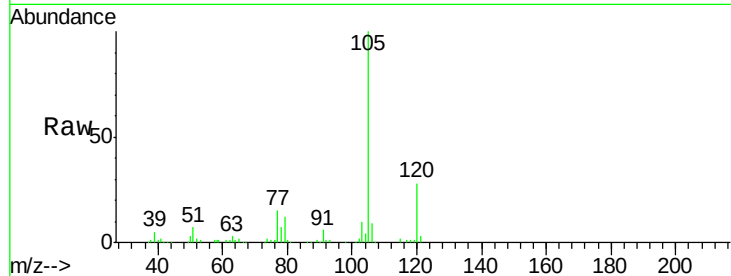
#73
Isopropylbenzene
Concen: 4.143 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.6	40.7

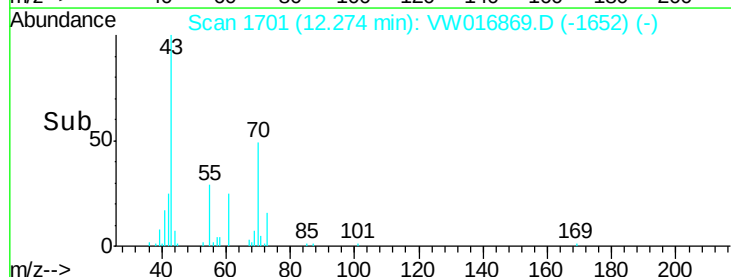
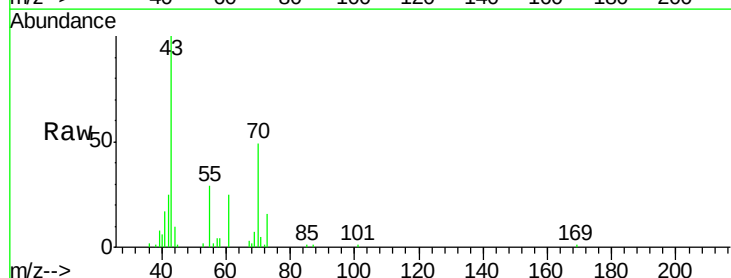
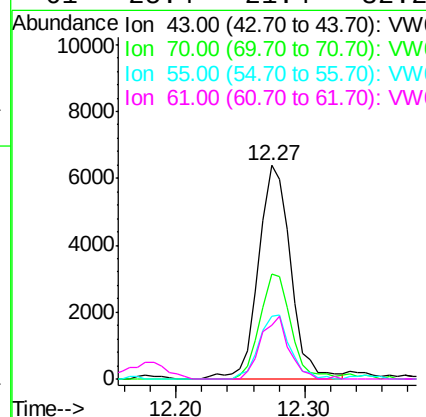
Manual Integrations
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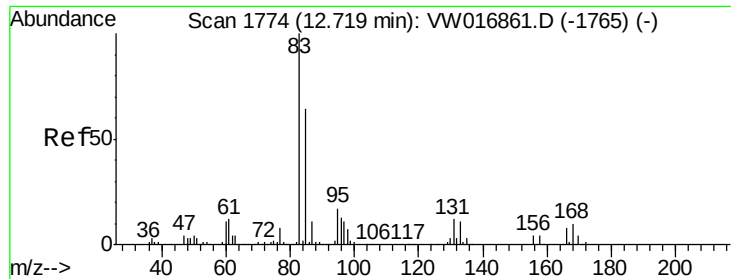
MMDadoda
10/12/2020 4:20:54 PM



#74
N-ethyl acetate
Concen: 3.987 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.5	40.2	60.4
55	28.8	21.4	32.0
61	25.4	21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.395 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

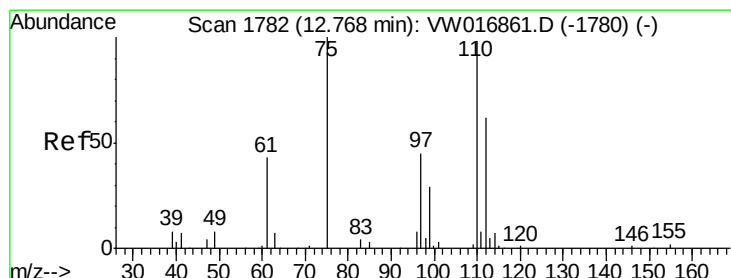
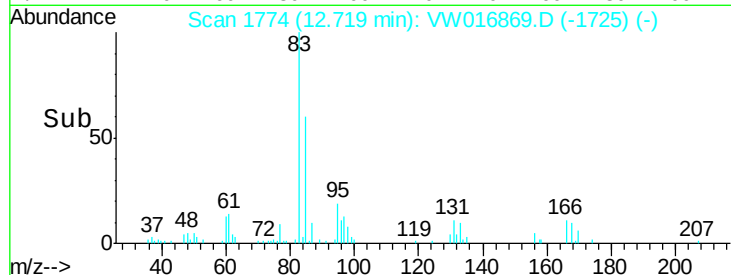
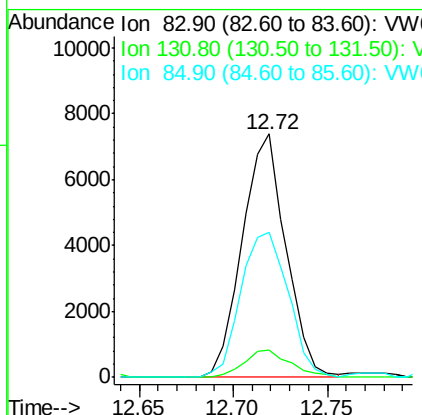
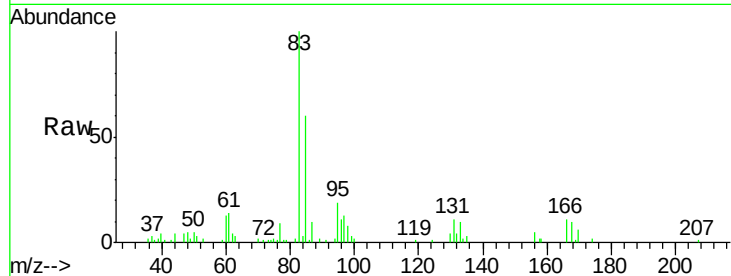
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	83	Resp:	11872
Ion Ratio	Lower	Upper	
83	100		
131	11.8	6.1	18.3
85	64.8	32.7	98.1

Manual Integrations
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MMDadoda
10/12/2020 4:20:54 PM



#76

1,2,3-Trichloropropane

Concen: 4.528 ug/l m

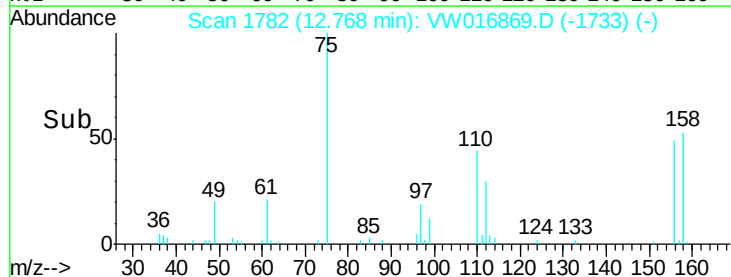
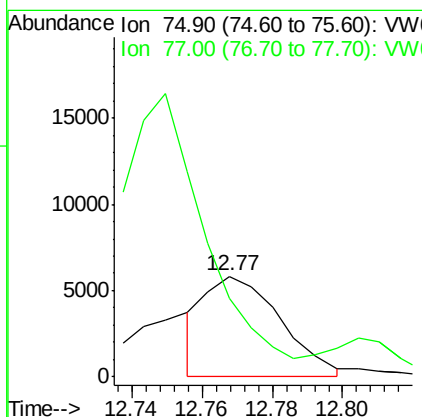
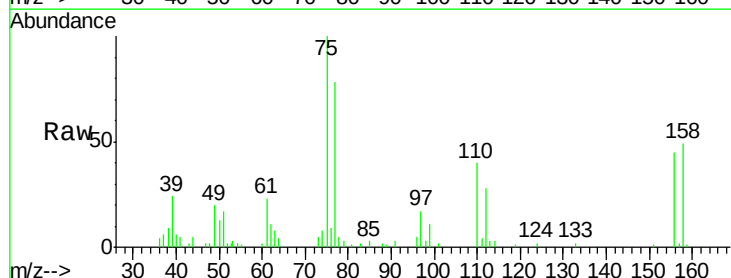
RT: 12.77 min Scan# 1782

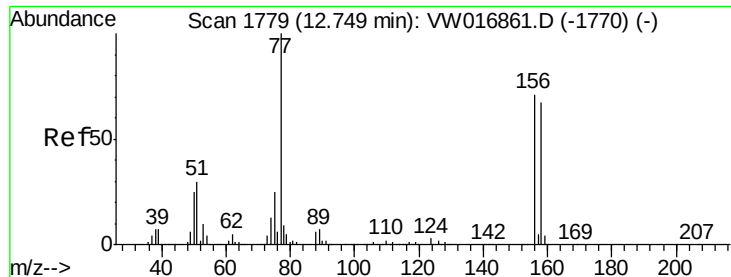
Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion:	75	Resp:	8750
Ion Ratio	Lower	Upper	
75	100		
77	334.3	178.8	536.3





#77

Bromobenzene

Concen: 4.406 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

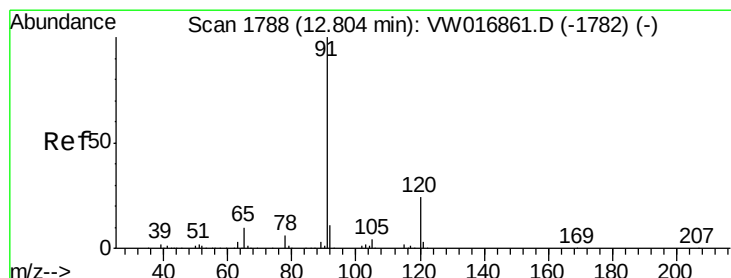
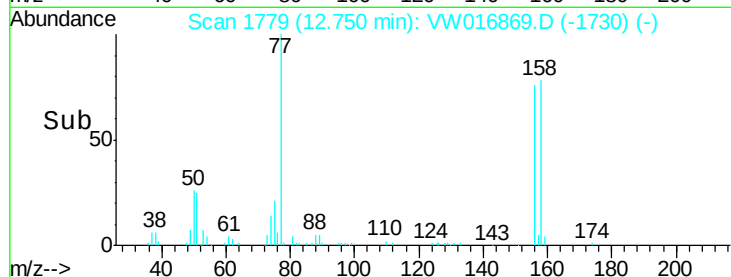
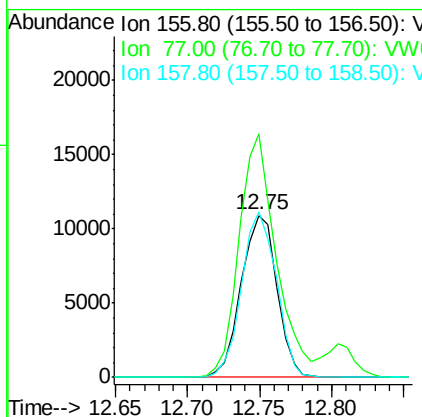
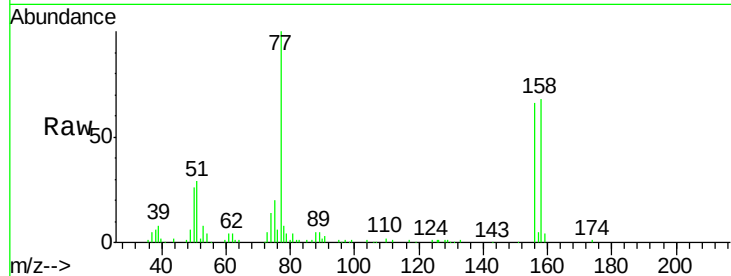
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		18750		
77	156.0	79.0	237.2		
158	99.4	47.0	141.2		

Manual Integrations
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#78

n-propylbenzene

Concen: 4.161 ug/l

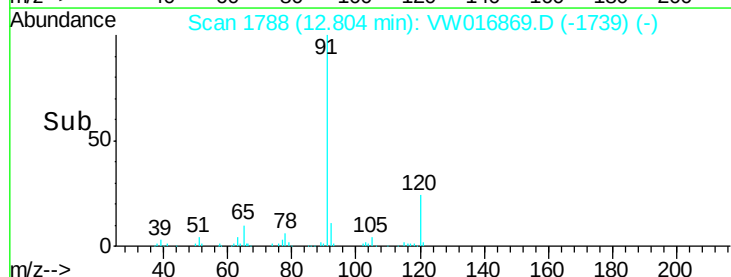
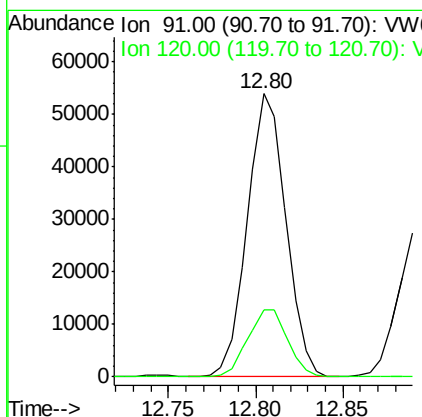
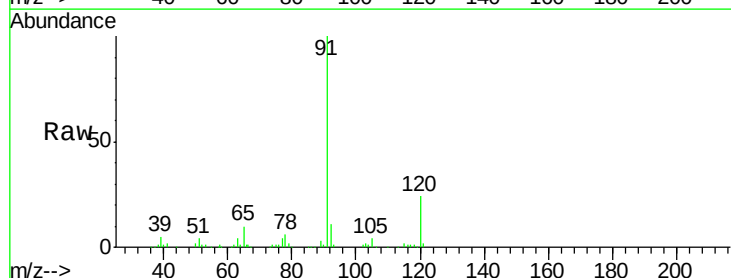
RT: 12.80 min Scan# 1788

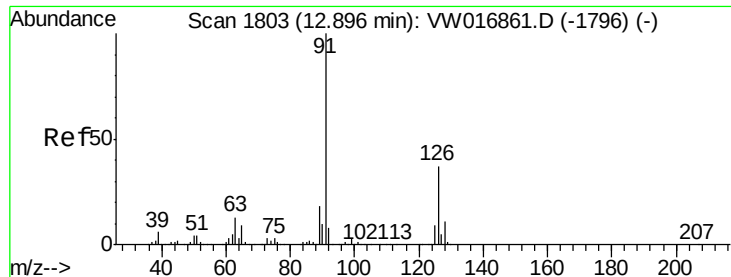
Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		82608		
120	24.6	12.0	36.1		





#79

2-Chlorotoluene

Concen: 4.264 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 91 Resp: 48293

Ion Ratio Lower Upper

91 100

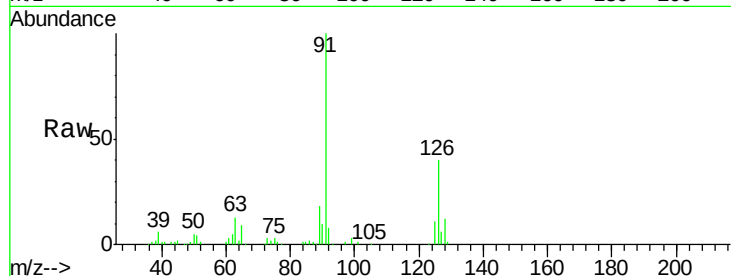
126 36.3 17.9 53.8

Manual Integrations

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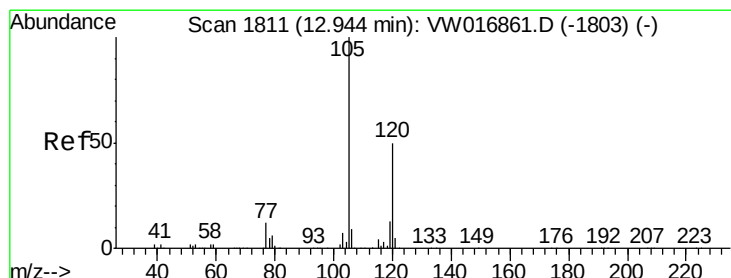
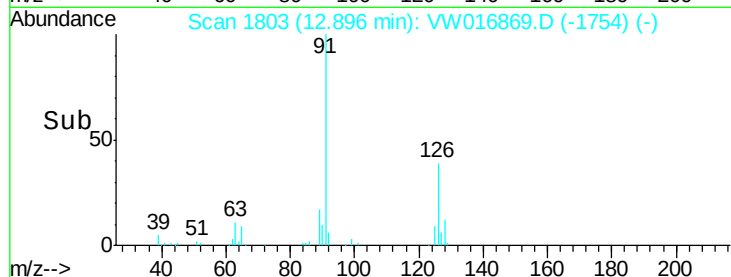
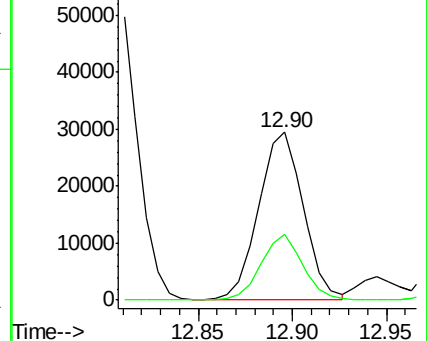
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.107 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016869.D

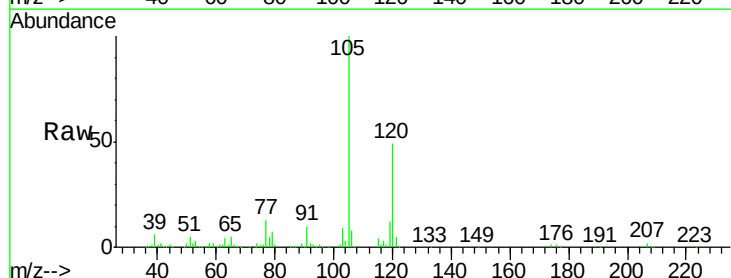
Acq: 09 Oct 2020 19:18

Tgt Ion:105 Resp: 59256

Ion Ratio Lower Upper

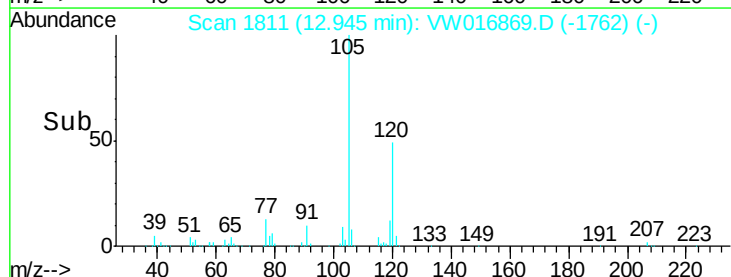
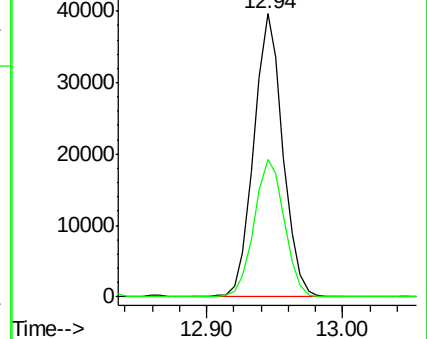
105 100

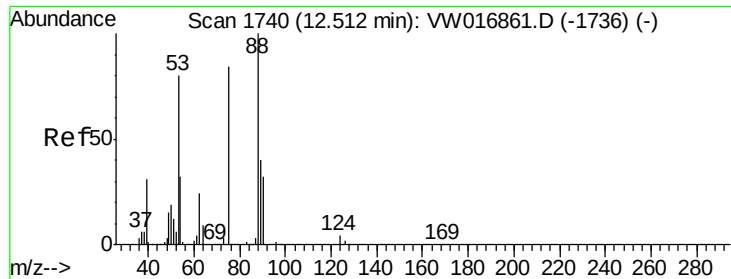
120 50.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 160.078 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

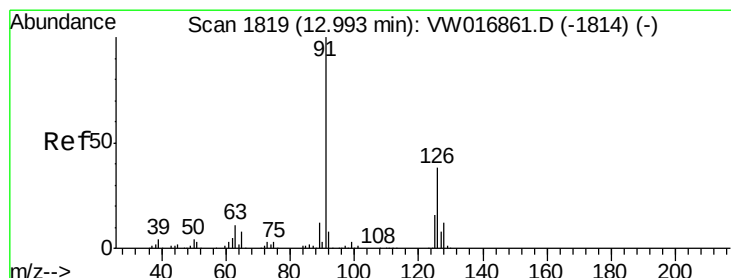
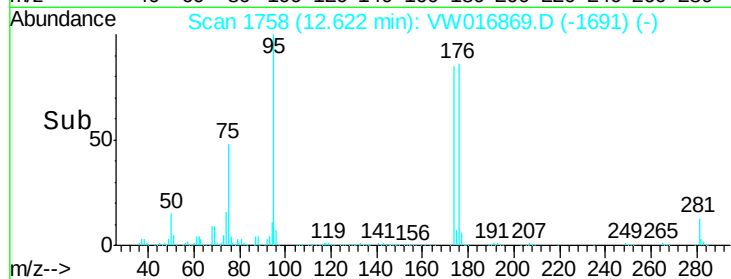
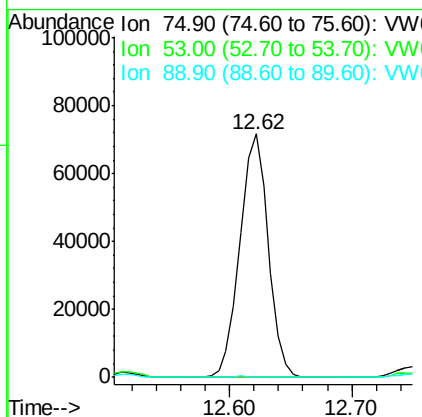
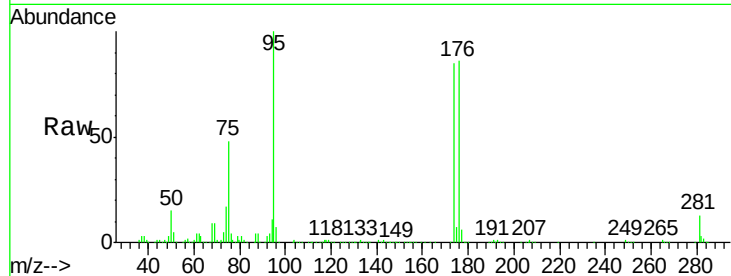
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.0	115.4#
89	0.3	38.7	58.1#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.373 ug/l

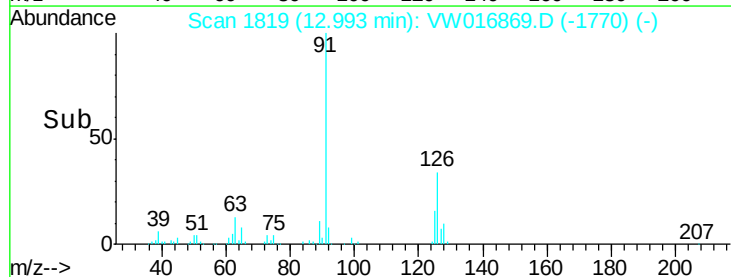
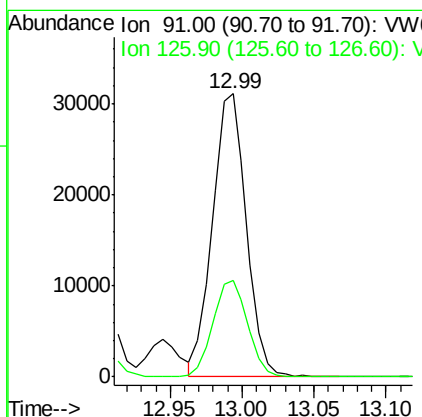
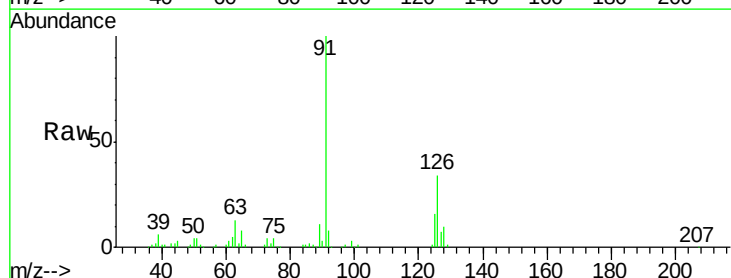
RT: 12.99 min Scan# 1819

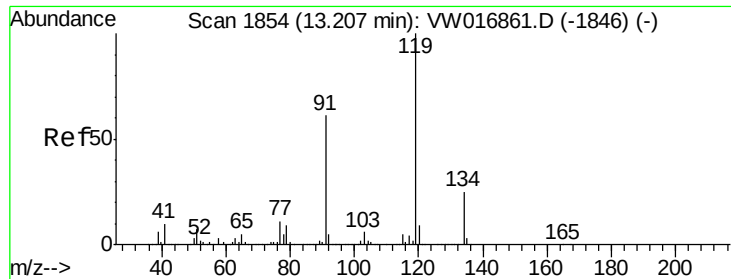
Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	18.1	54.3





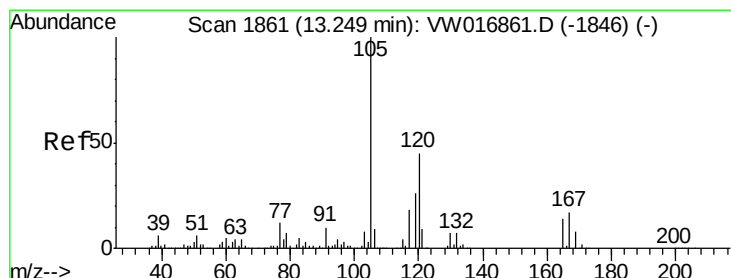
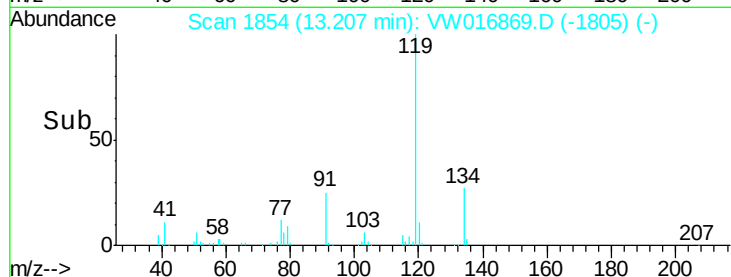
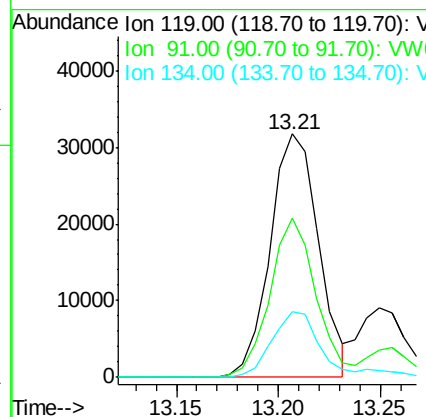
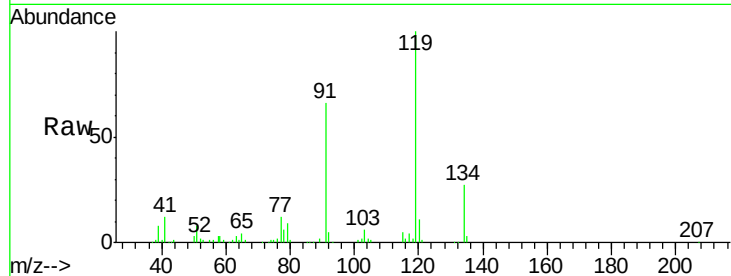
#83
tert-Butylbenzene
Concen: 4.188 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	31.3	93.9
134	26.0	14.0	42.0

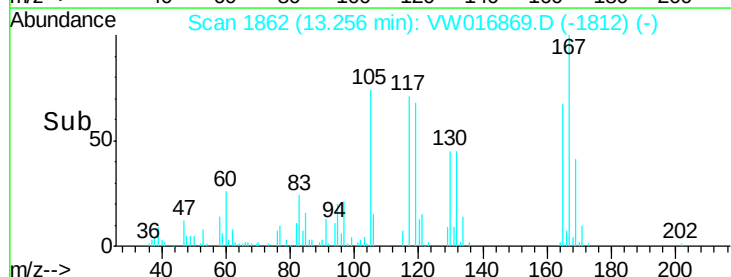
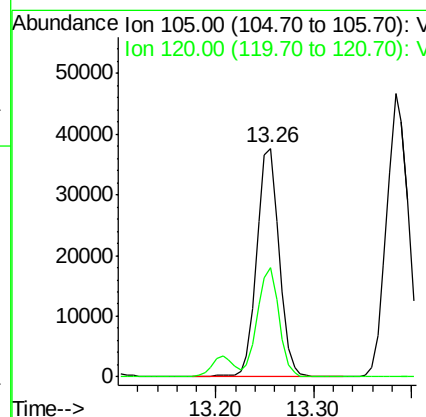
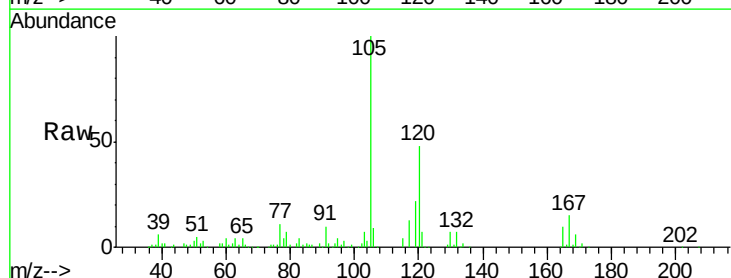
Manual Integrations
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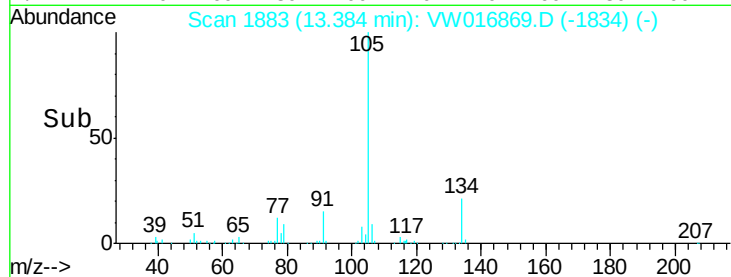
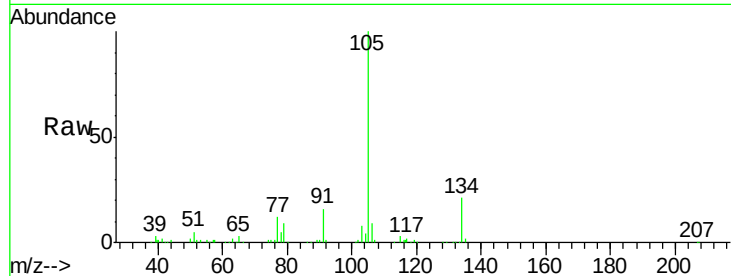
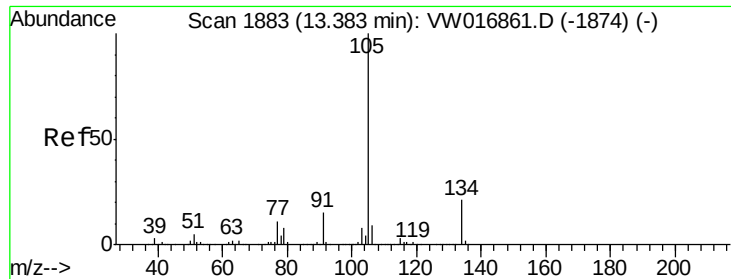
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.174 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.4	70.0





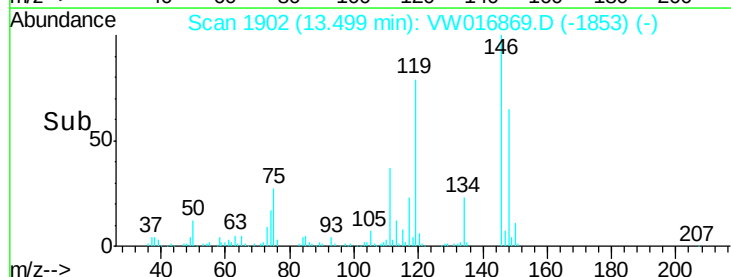
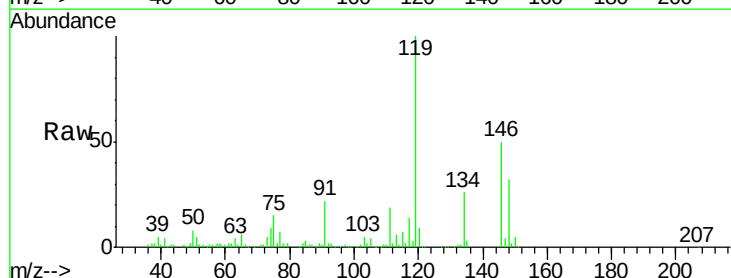
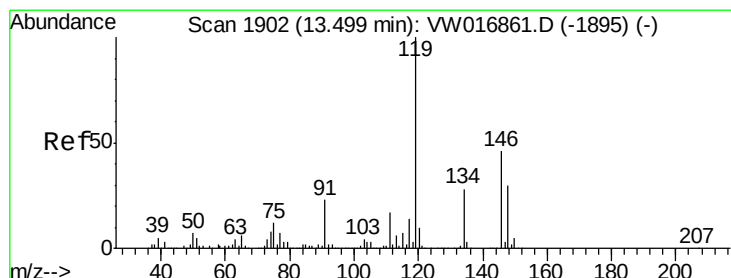
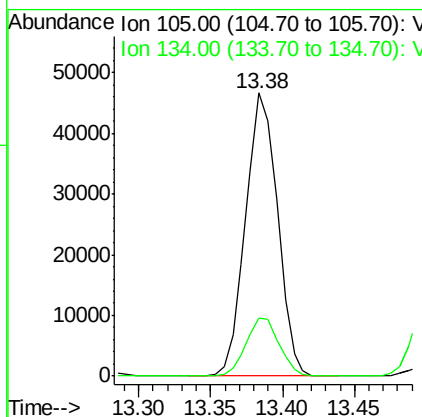
#85
 sec-Butylbenzene
 Concen: 4.114 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tot Ion: 105 Resp: 71746
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.6 31.8

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

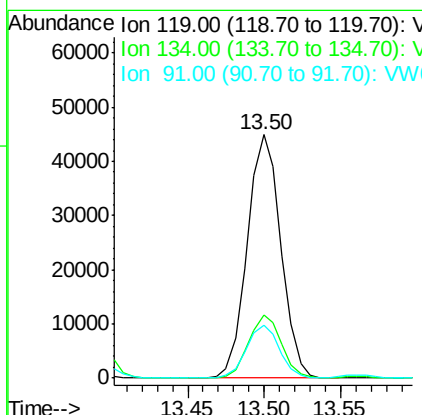
Manual Integrations
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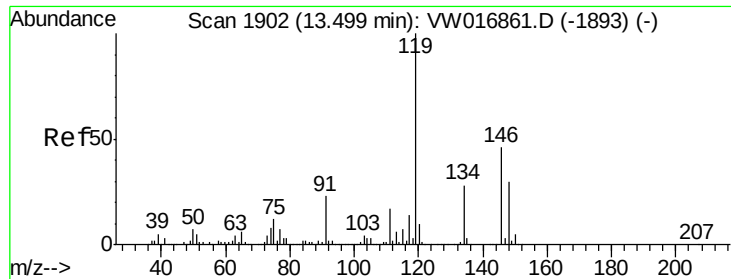
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 4.225 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion: 119 Resp: 68614
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.8 41.3
 91 21.9 11.3 33.9





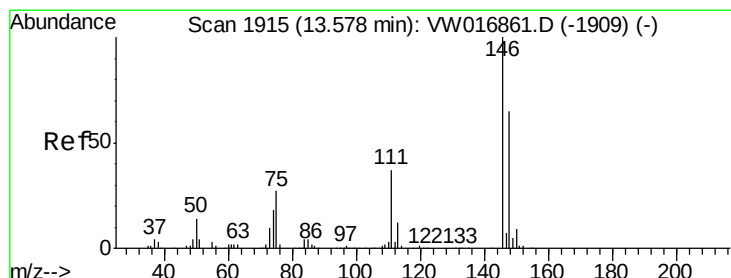
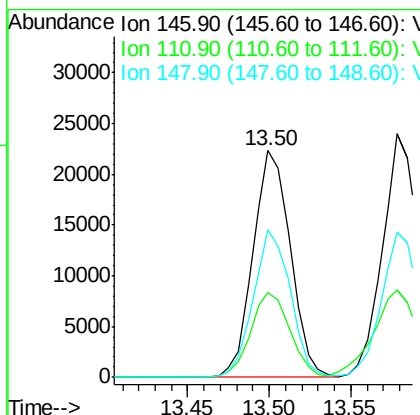
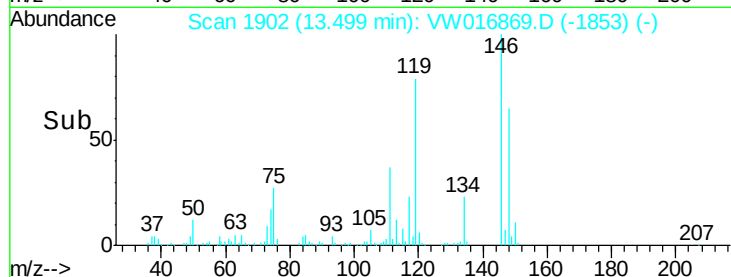
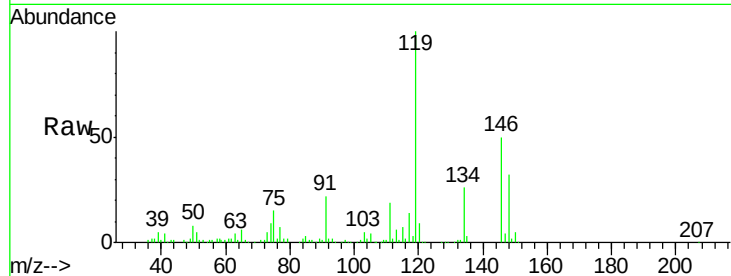
#87
 1,3-Dichlorobenzene
 Concen: 4.324 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.1	57.5
148	64.5	32.5	97.4

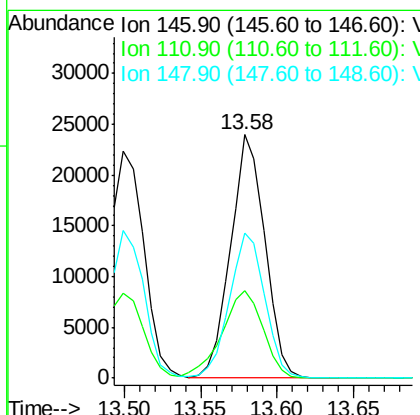
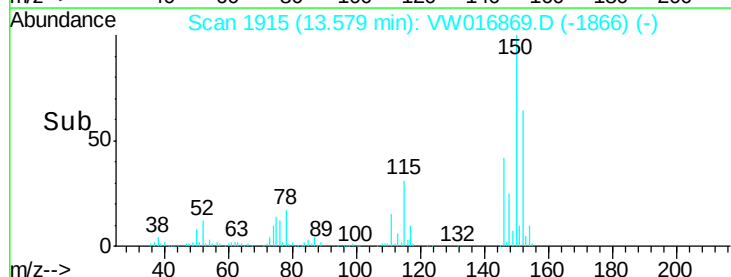
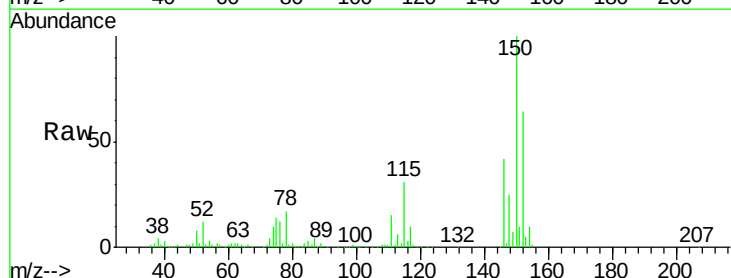
Manual Integrations
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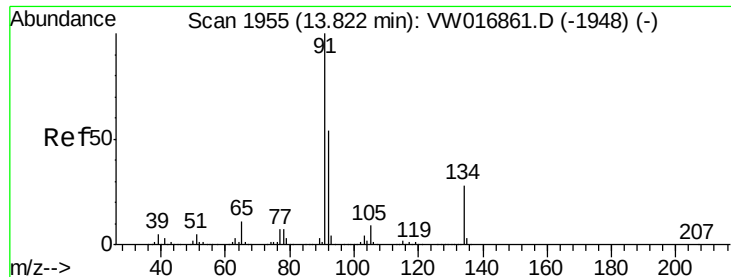
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#88
 1,4-Dichlorobenzene
 Concen: 4.601 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	18.5	55.5
148	61.4	31.8	95.4





#89

n-Butylbenzene

Concen: 3.928 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

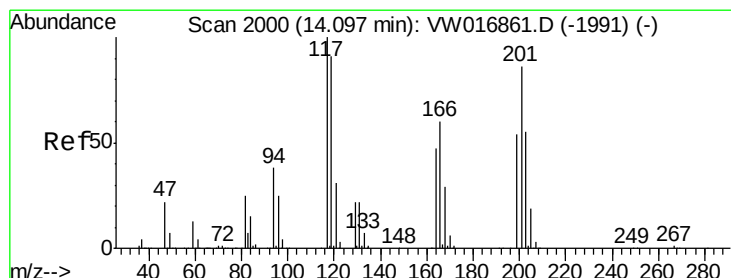
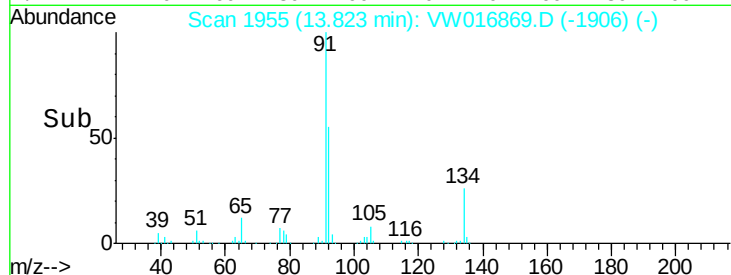
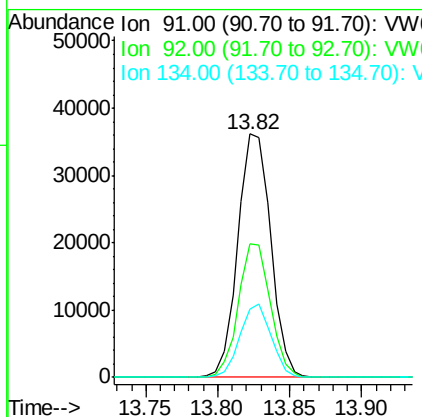
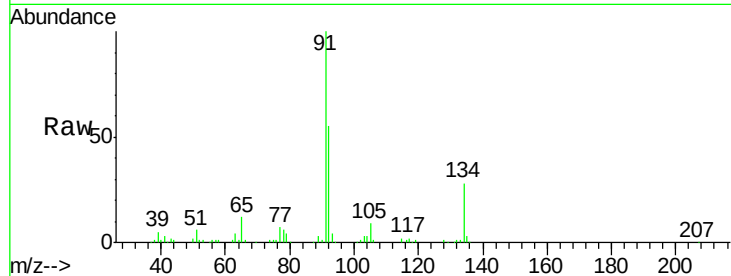
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	91	Resp:	57474
Ion Ratio	Lower	Upper	
91	100		
92	53.4	26.6	79.7
134	28.6	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 3.972 ug/l

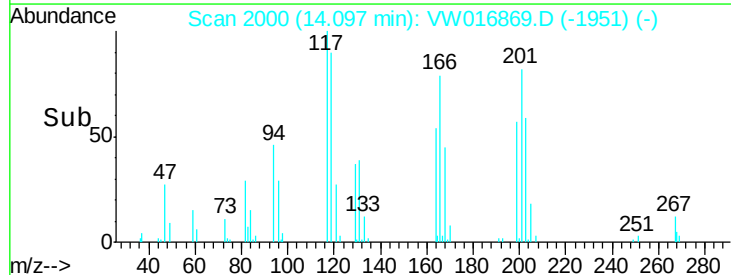
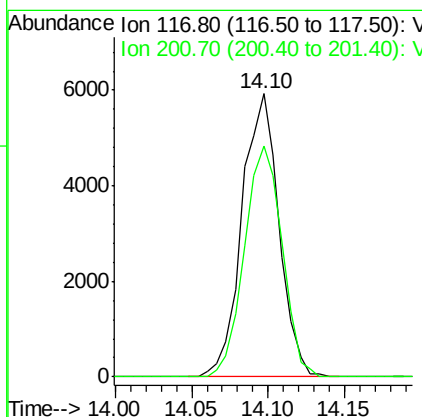
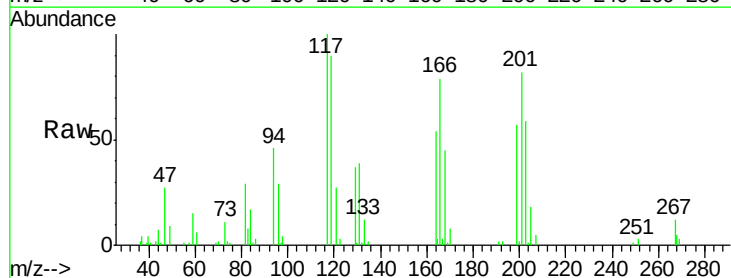
RT: 14.10 min Scan# 2000

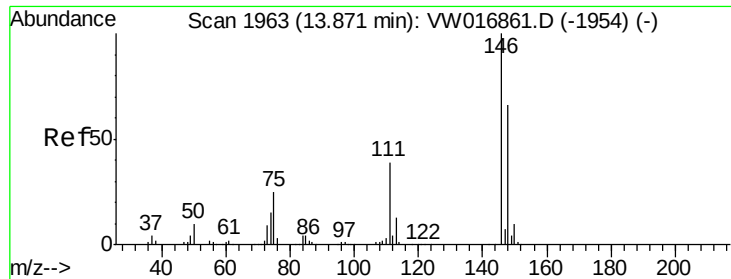
Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion:	117	Resp:	9953
Ion Ratio	Lower	Upper	
117	100		
201	83.0	41.9	125.7





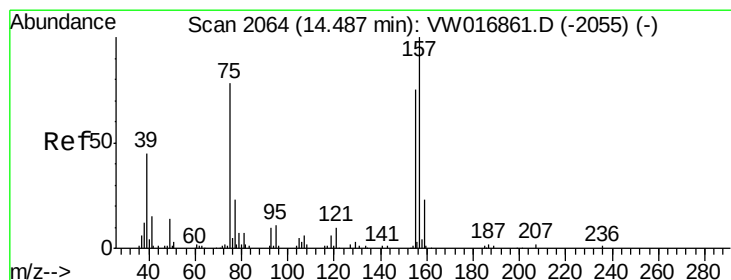
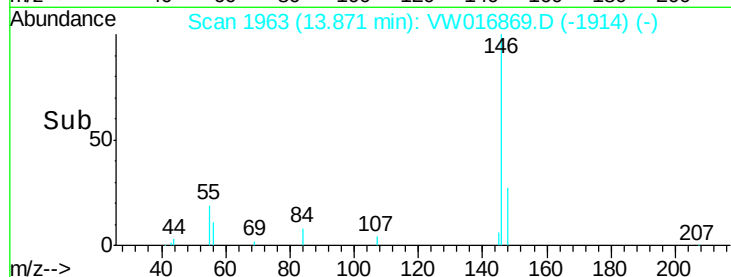
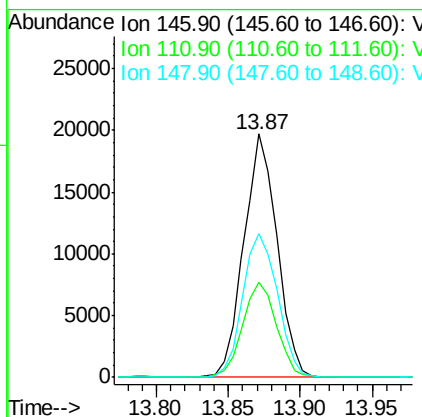
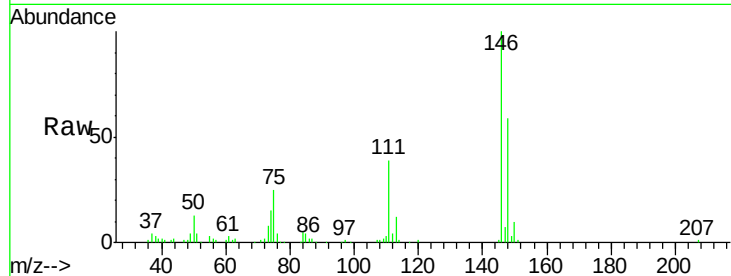
#91
1,2-Dichlorobenzene
Concen: 4.421 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.3
148	61.9	33.1	99.3

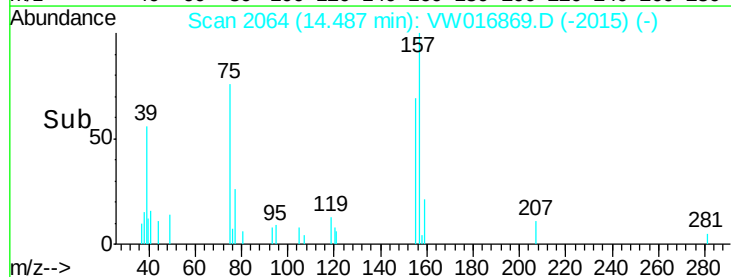
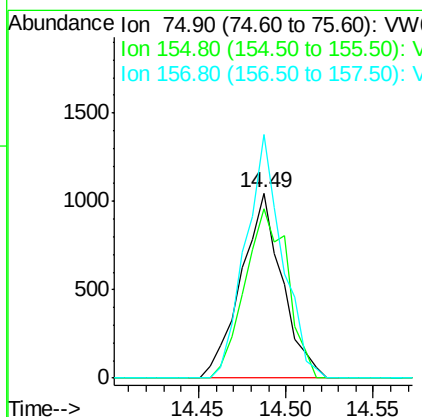
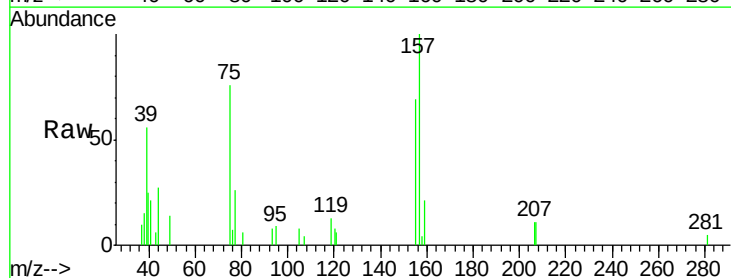
Manual Integrations
APPROVED

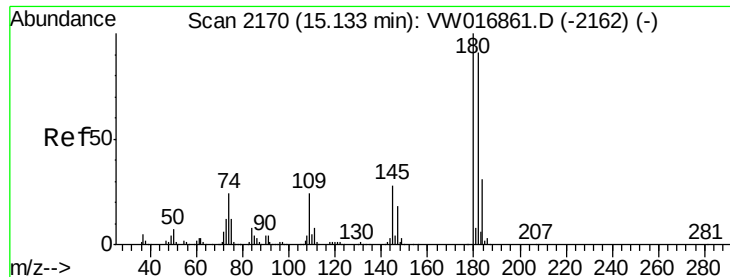
MMDadoda
10/12/2020 4:20:54 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.151 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	47.6	142.8
157	118.1	62.2	186.6





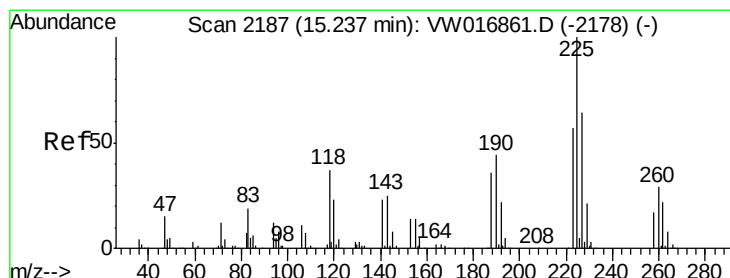
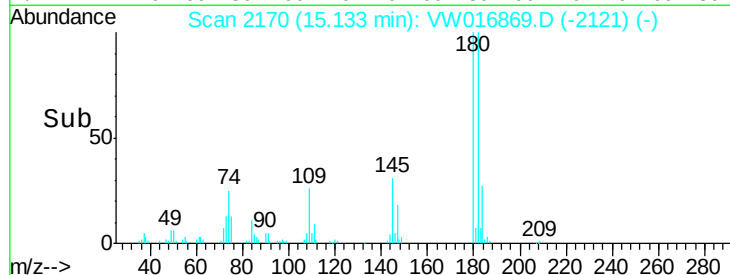
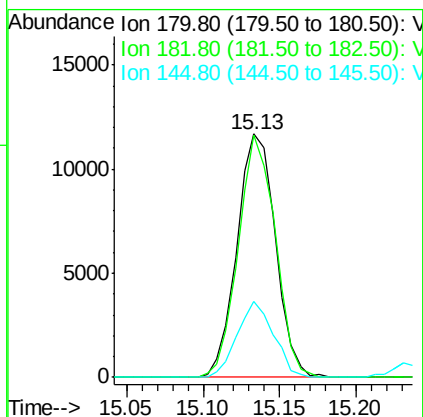
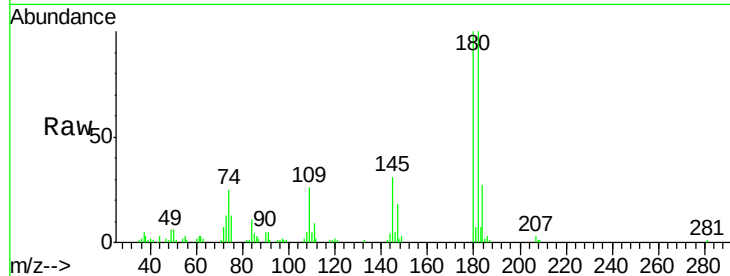
#93
1,2,4-Trichlorobenzene
Concen: 4.164 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	20400		
182	95.7	48.3	144.9	
145	29.3	14.9	44.5	

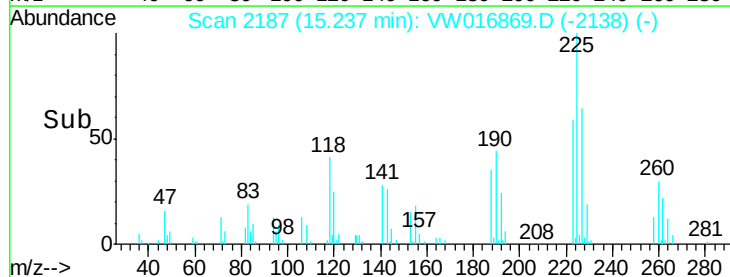
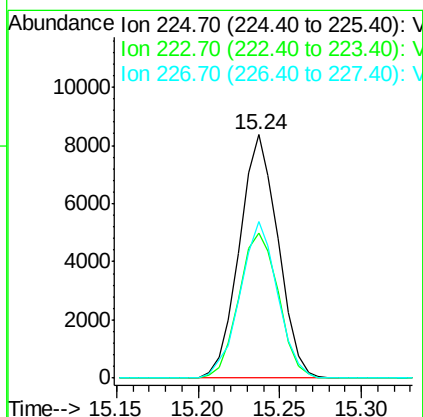
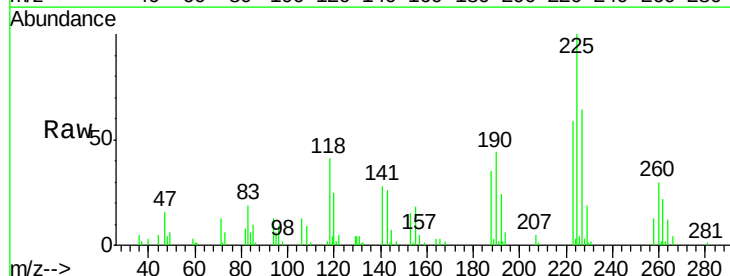
Manual Integrations
APPROVED

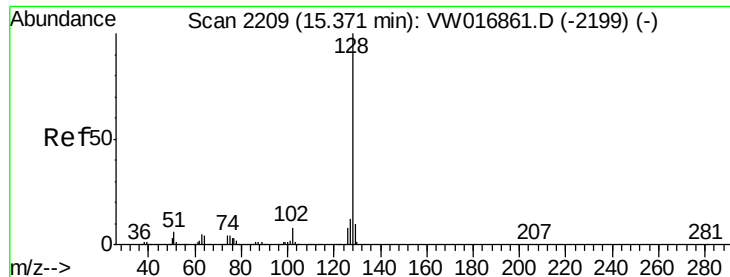
MMDadoda
10/12/2020 4:20:54 PM



#94
Hexachlorobutadiene
Concen: 4.337 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13773		
223	61.1	31.9	95.7	
227	62.7	33.0	99.0	





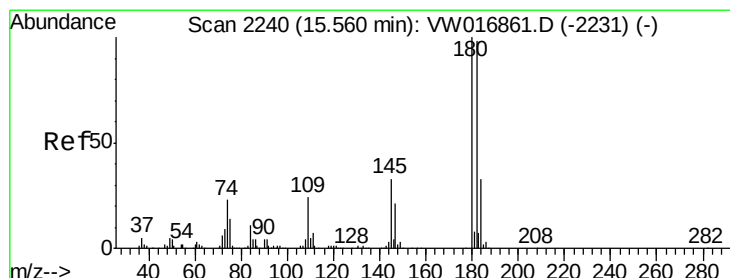
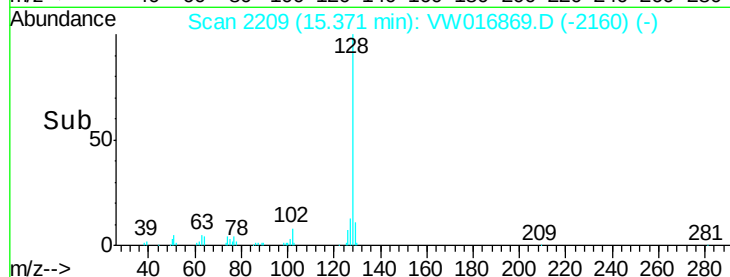
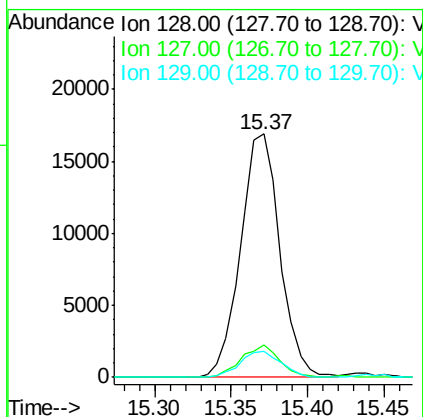
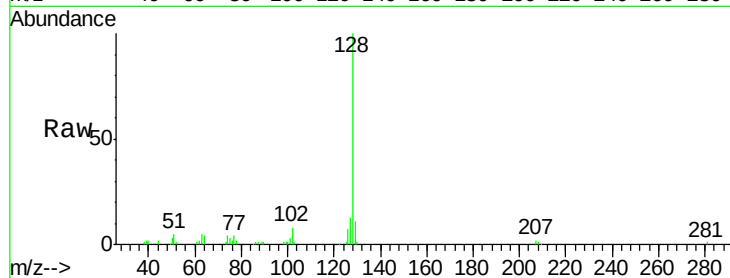
#95
Naphthalene
Concen: 3.793 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/12/2020 4:20:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.035 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.3	49.4	148.2
145	33.1	16.3	48.9

