

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101020\
 Data File : VW016868.D
 Acq On : 09 Oct 2020 18:54
 Operator : SY/VA
 Sample : L4214-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 4:20:52 PM

Quant Time: Oct 12 14:59:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 05:14:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	392801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	584116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	515776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	257708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	167171	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
35) Dibromofluoromethane	7.89	113	178835	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.33	98	685191	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.62	95	237415	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	5514	2.574	ug/l	100
3) Chloromethane	2.21	50	6968	2.966	ug/l	99
4) Vinyl Chloride	2.37	62	9001	2.650	ug/l	98
5) Bromomethane	2.78	94	7768	2.977	ug/l	96
6) Chloroethane	2.93	64	5483	2.536	ug/l	95
7) Trichlorofluoromethane	3.26	101	6102	2.467	ug/l	99
8) Diethyl Ether	3.68	74	3882	2.513	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.07	101	8716	2.617	ug/l	97
10) Methyl Iodide	4.28	142	13945	2.619	ug/l	98
11) Tert butyl alcohol	5.17	59	3507	22.460	ug/l #	92
12) 1,1-Dichloroethene	4.05	96	8274	2.517	ug/l	92
13) Acrolein	3.90	56	2630	12.459	ug/l	95
14) Allyl chloride	4.68	41	9946	2.528	ug/l	97
15) Acrylonitrile	5.38	53	6234	12.124	ug/l	92
16) Acetone	4.14	43	8703	16.818	ug/l	95
17) Carbon Disulfide	4.39	76	22054	2.522	ug/l	99
18) Methyl Acetate	4.68	43	4004	3.374	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	9672	2.730	ug/l	99
20) Methylene Chloride	4.92	84	21385	5.215	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	9581	2.596	ug/l #	87
22) Diisopropyl ether	6.31	45	18224	2.548	ug/l #	89
23) Vinyl Acetate	6.26	43	51975	11.343	ug/l	97
24) 1,1-Dichloroethane	6.21	63	14095	2.486	ug/l	96
25) 2-Butanone	7.18	43	9982	14.469	ug/l	91
26) 2,2-Dichloropropane	7.17	77	10832	3.122	ug/l	91
27) cis-1,2-Dichloroethene	7.17	96	10434	2.640	ug/l	96
28) Bromochloromethane	7.52	49	6284	2.769	ug/l	96
29) Tetrahydrofuran	7.54	42	4838	12.520	ug/l	95
30) Chloroform	7.68	83	15755	2.556	ug/l	92
31) Cyclohexane	7.96	56	17958	3.713	ug/l #	63
32) 1,1,1-Trichloroethane	7.88	97	13427	2.582	ug/l	97
36) 1,1-Dichloropropene	8.09	75	13452	2.664	ug/l	95
37) Ethyl Acetate	7.26	43	3960	2.400	ug/l #	80
38) Carbon Tetrachloride	8.07	117	12554	2.391	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	14384	2.498	ug/l	98
40) Benzene	8.33	78	35463	2.520	ug/l	99
41) Methacrylonitrile	7.49	41	2065	2.112	ug/l	93
42) 1,2-Dichloroethane	8.40	62	10215	2.654	ug/l	97
43) Isopropyl Acetate	8.43	43	7082	2.241	ug/l	92
44) Trichloroethene	9.10	130	11048	2.537	ug/l	98
45) 1,2-Dichloropropane	9.37	63	7668	2.390	ug/l	94
46) Dibromomethane	9.46	93	4459	2.430	ug/l	97
47) Bromodichloromethane	9.65	83	11252	2.466	ug/l	93
48) Methyl methacrylate	9.44	41	3449	2.368	ug/l	95
49) 1,4-Dioxane	9.47	88	1114	52.772	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	19821	12.397	ug/l	97
52) Toluene	10.39	92	24105	2.592	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	8808	2.120	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	11409	2.249	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	6533	2.501	ug/l	91
56) Ethyl methacrylate	10.65	69	6545	2.303	ug/l	94
57) 1,3-Dichloropropane	10.93	76	10913	2.525	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	18409	11.690	ug/l	98
59) 2-Hexanone	10.98	43	11675	11.036	ug/l	97
60) Dibromochloromethane	11.13	129	7523	2.348	ug/l	95
61) 1,2-Dibromoethane	11.24	107	6281	2.428	ug/l	100
64) Tetrachloroethene	10.87	164	9652	2.627	ug/l	95
65) Chlorobenzene	11.66	112	27127	2.681	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	8235	2.302	ug/l	96
67) Ethyl Benzene	11.73	91	44419	2.520	ug/l	96
68) m/p-Xylenes	11.84	106	33372	4.867	ug/l	98
69) o-Xylene	12.17	106	15368	2.443	ug/l	100
70) Styrene	12.18	104	24892	2.377	ug/l	100
71) Bromoform	12.35	173	3829	2.132	ug/l #	99
73) Isopropylbenzene	12.47	105	42545	2.484	ug/l	99
74) N-amyl acetate	12.28	43	6058	2.202	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	6493	2.416	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	3924m	2.041	ug/l	
77) Bromobenzene	12.75	156	11370	2.685	ug/l	96
78) n-propylbenzene	12.80	91	50607	2.562	ug/l	99
79) 2-Chlorotoluene	12.90	91	30152	2.676	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	35885	2.500	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	1382m	1.932	ug/l	
82) 4-Chlorotoluene	12.99	91	30679	2.637	ug/l	97
83) tert-Butylbenzene	13.21	119	32167	2.580	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	36152	2.527	ug/l	99
85) sec-Butylbenzene	13.38	105	44218	2.548	ug/l	98
86) p-Isopropyltoluene	13.50	119	39690	2.456	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	22360	2.731	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	22288	2.762	ug/l	89
89) n-Butylbenzene	13.82	91	35393	2.431	ug/l	100
90) Hexachloroethane	14.10	117	6141	2.463	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	19105	2.704	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	967	2.350	ug/l	89

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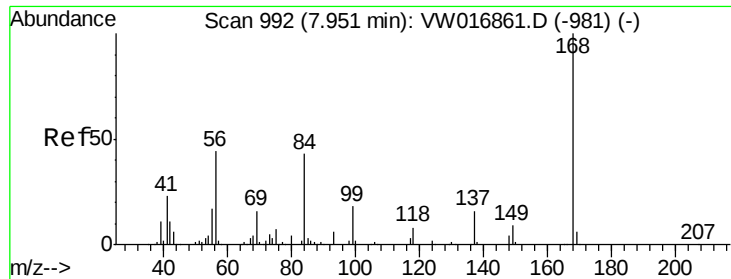
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	12874	2.641	ug/l	94
94) Hexachlorobutadiene	15.24	225	8428	2.667	ug/l	96
95) Naphthalene	15.36	128	18026	2.275	ug/l	97
96) 1,2,3-Trichlorobenzene	15.55	180	11333	2.672	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

Lab File: VW016868.D

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Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:168 Resp: 392801

Ion Ratio Lower Upper

168 100

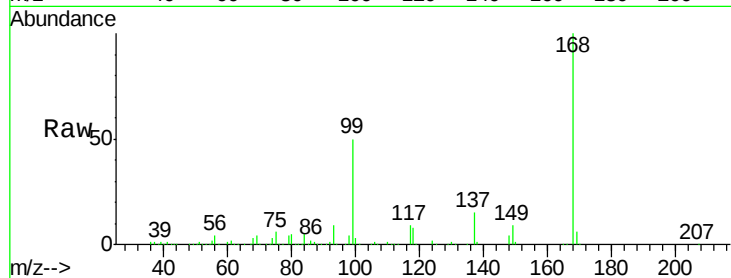
99 50.0 40.7 61.1

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

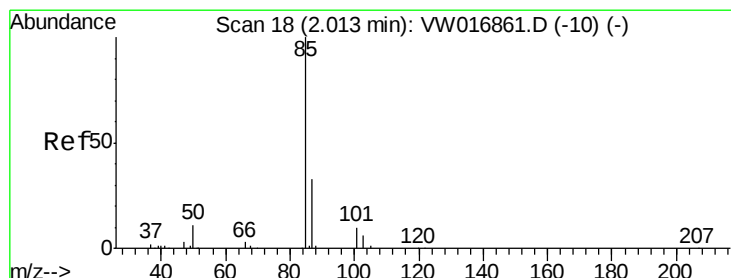
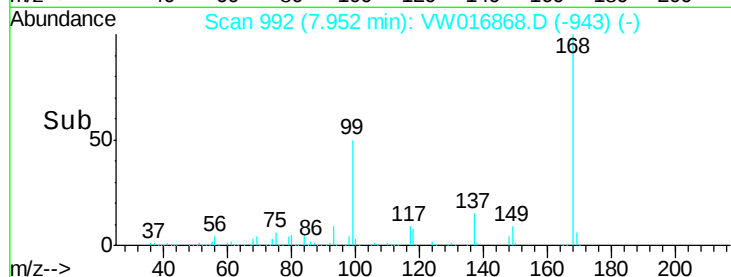
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 2.574 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016868.D

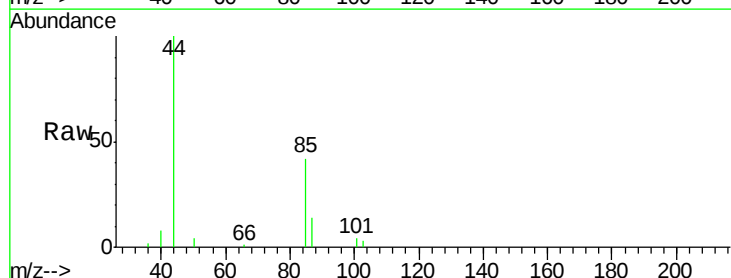
Acq: 09 Oct 2020 18:54

Tgt Ion: 85 Resp: 5514

Ion Ratio Lower Upper

85 100

87 32.7 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

2500

2000

1500

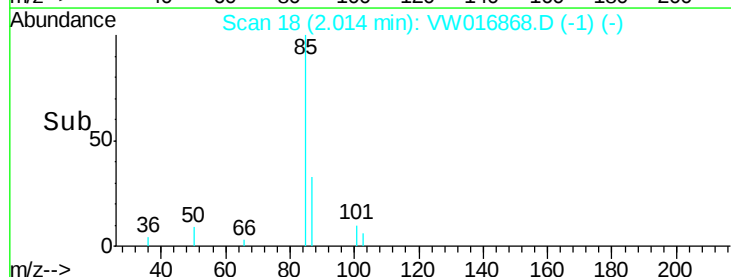
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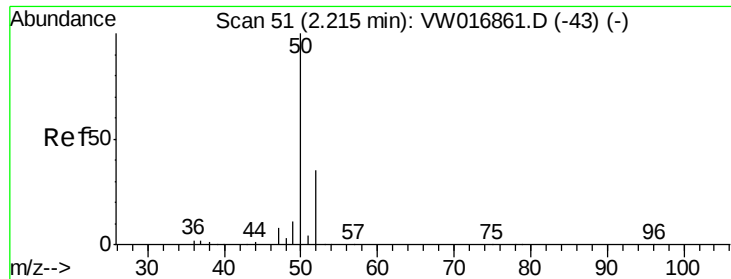
500

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 2.966 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 50 Resp: 6968

Ion Ratio Lower Upper

50 100

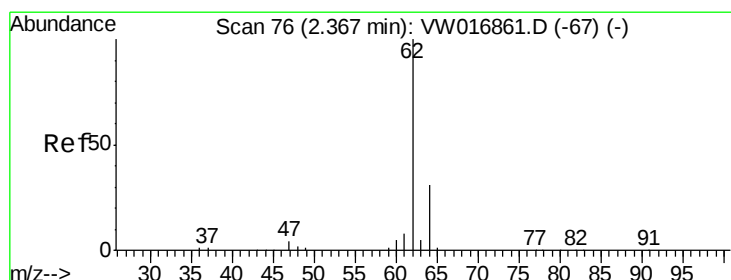
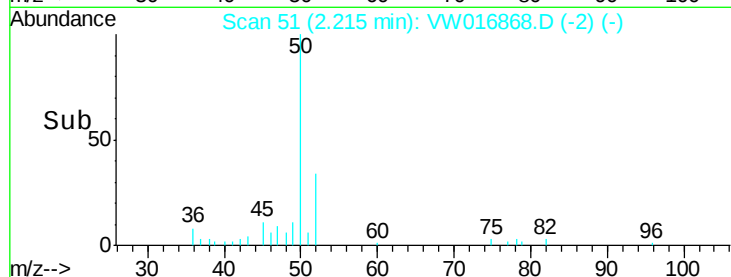
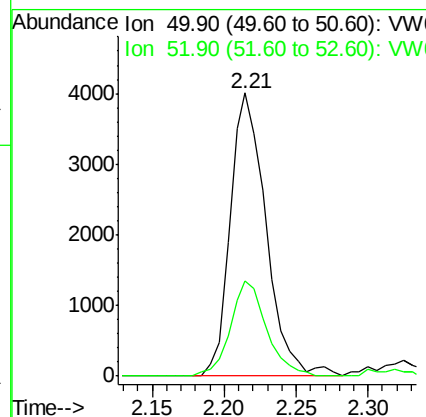
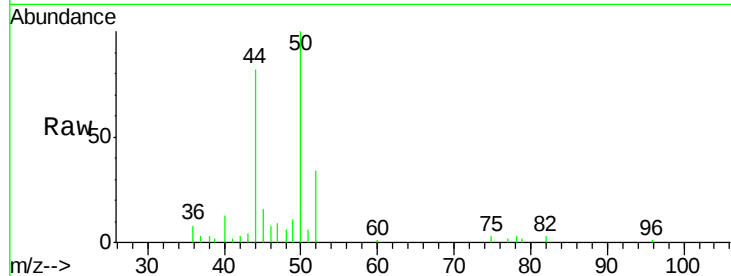
52 33.8 27.6 41.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.650 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016868.D

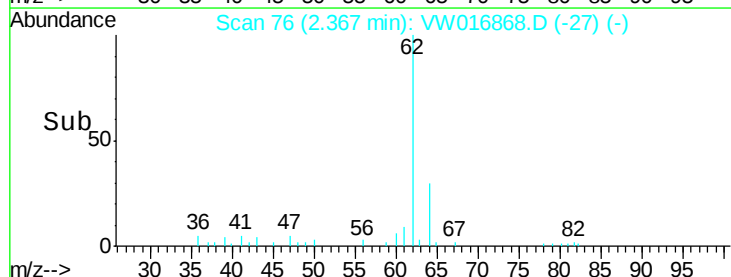
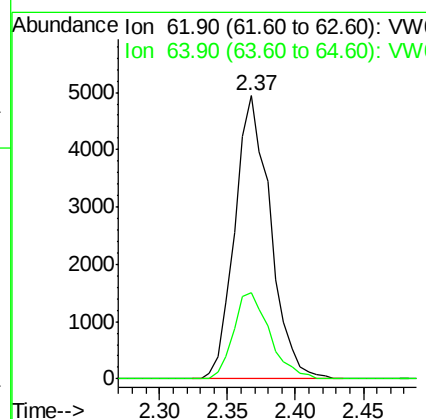
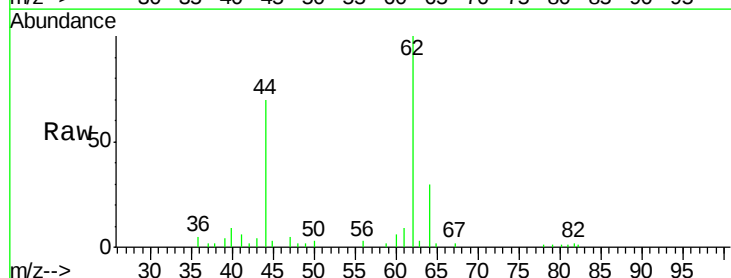
Acq: 09 Oct 2020 18:54

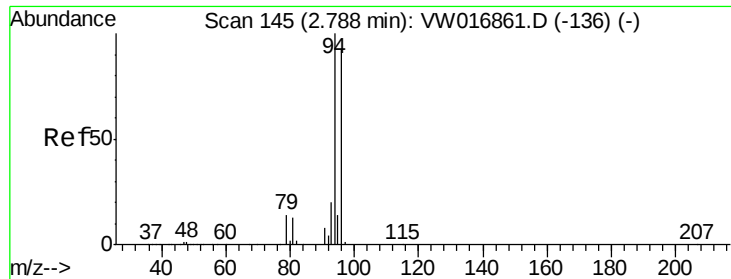
Tgt Ion: 62 Resp: 9001

Ion Ratio Lower Upper

62 100

64 30.3 25.0 37.4





#5

Bromomethane

Concen: 2.977 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 7768

Ion Ratio Lower Upper

94 100

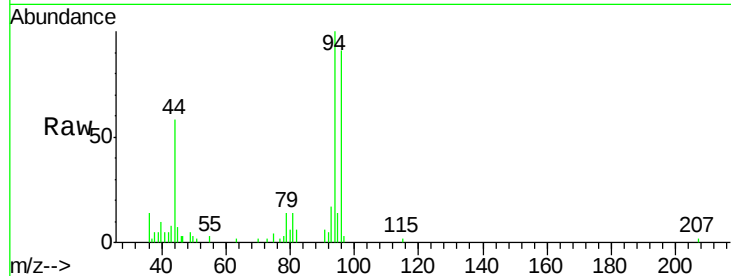
96 89.5 74.7 112.1

Manual Integrations

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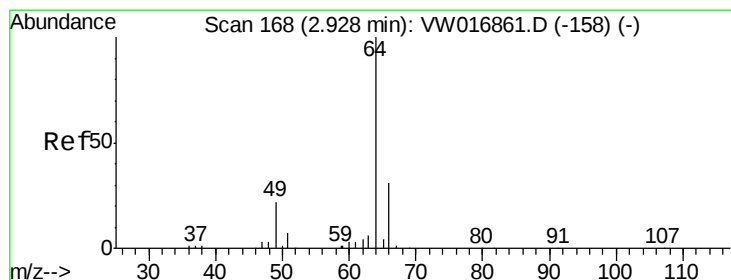
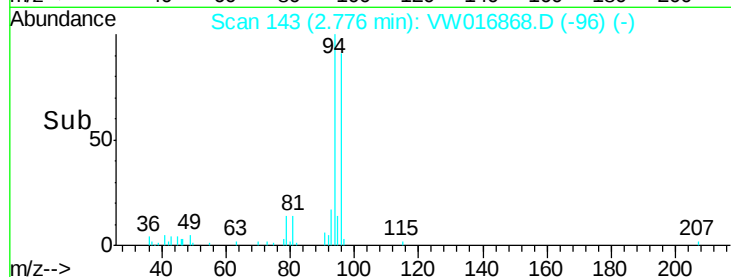
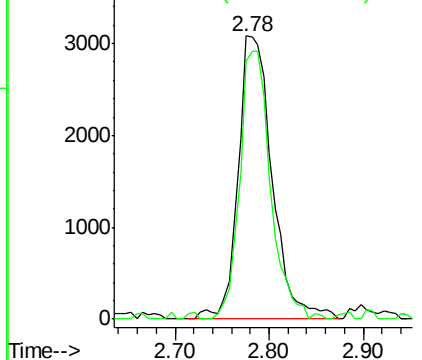
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 2.536 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016868.D

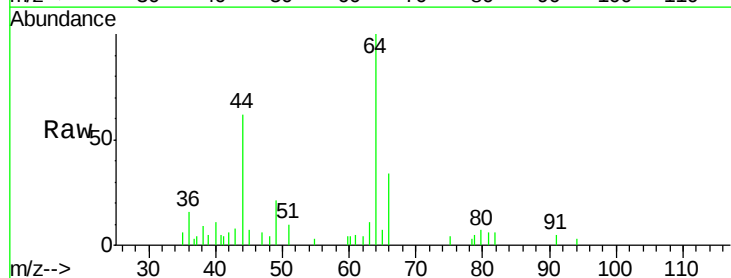
Acq: 09 Oct 2020 18:54

Tgt Ion: 64 Resp: 5483

Ion Ratio Lower Upper

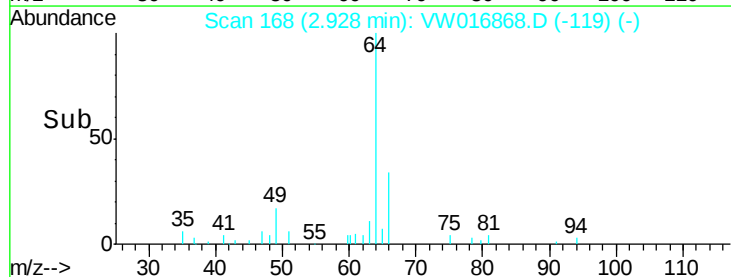
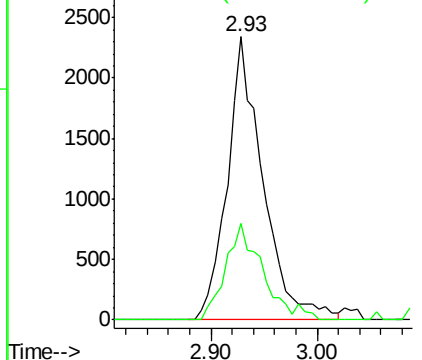
64 100

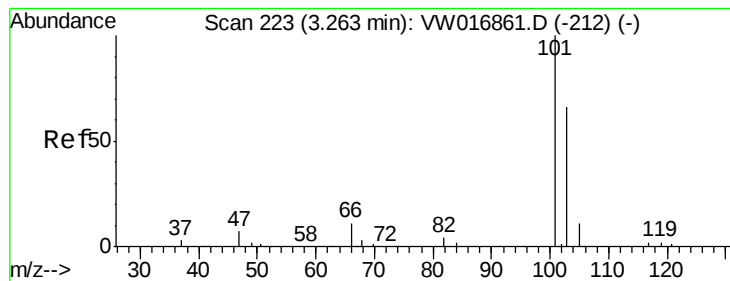
66 34.3 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

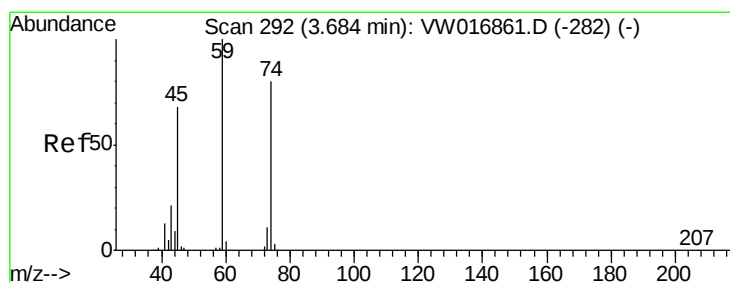
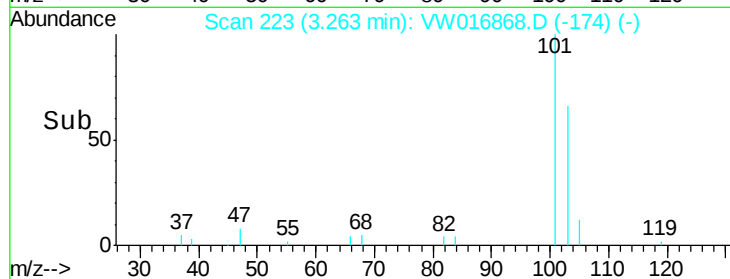
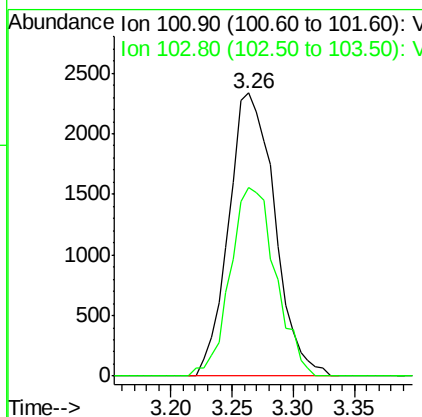
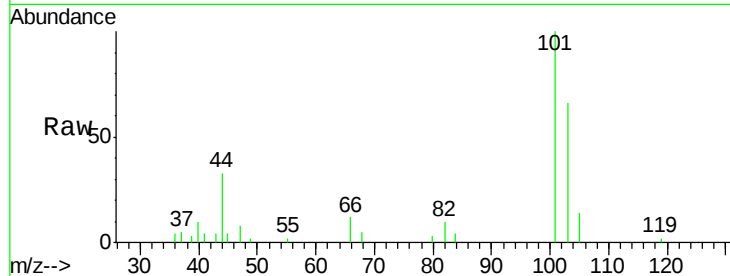
Trichlorofluoromethane
 Concen: 2.467 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW016868.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.6	79.0

Manual Integrations
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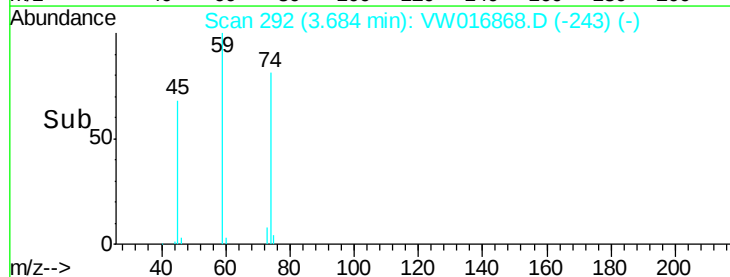
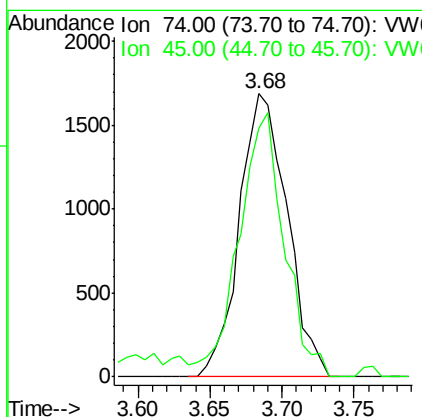
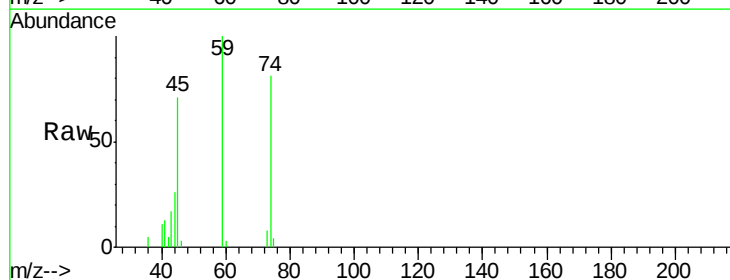
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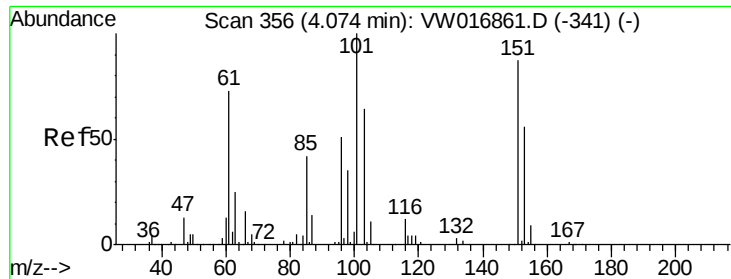


#8

Diethyl Ether
 Concen: 2.513 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.5	41.1	123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.617 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016868.D

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Instrument :

MSVOA_W

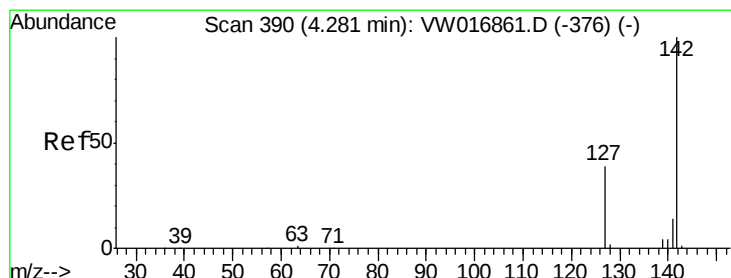
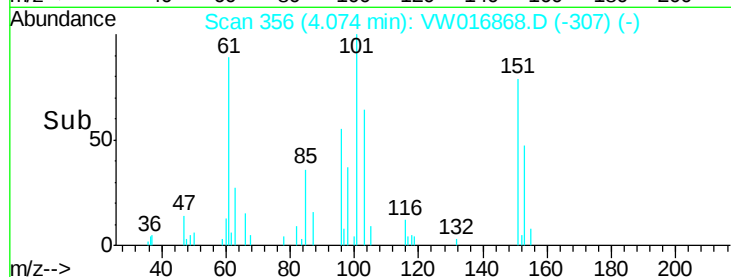
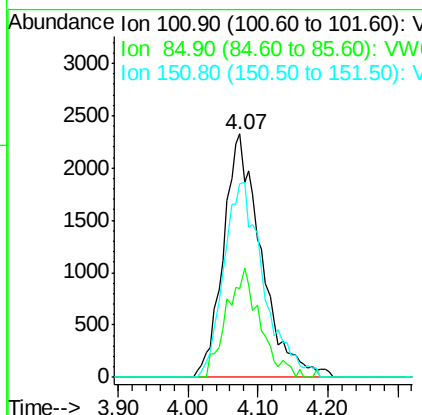
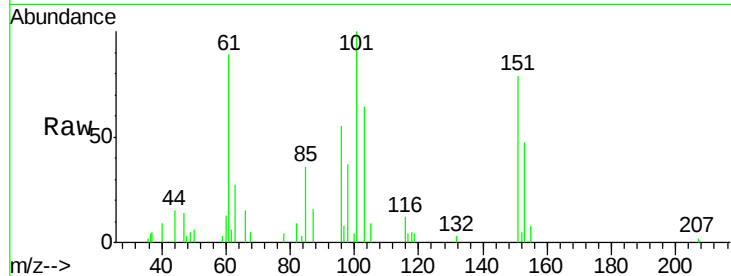
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	101	Resp:	8716
Ion Ratio	Lower	Upper	
101	100		
85	37.7	33.2	49.8
151	84.0	66.6	100.0

Manual Integrations
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#10

Methyl Iodide

Concen: 2.619 ug/l

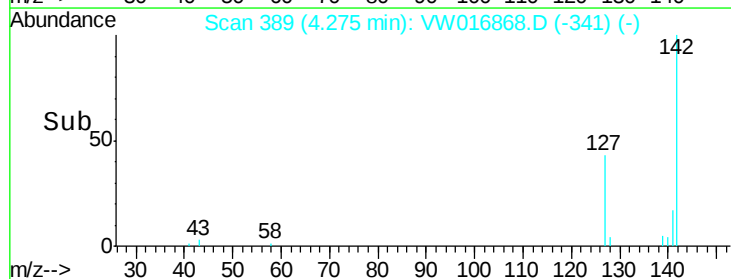
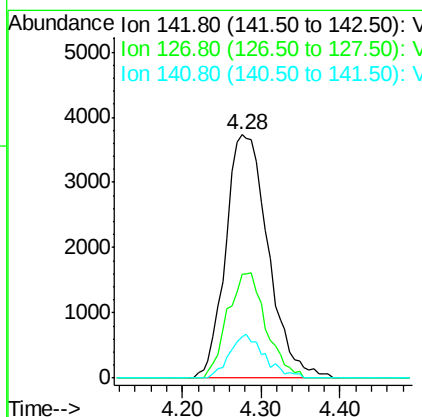
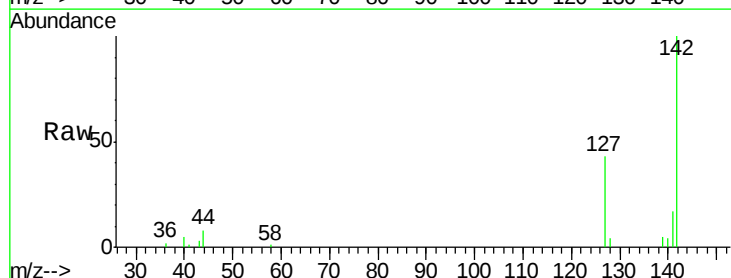
RT: 4.28 min Scan# 389

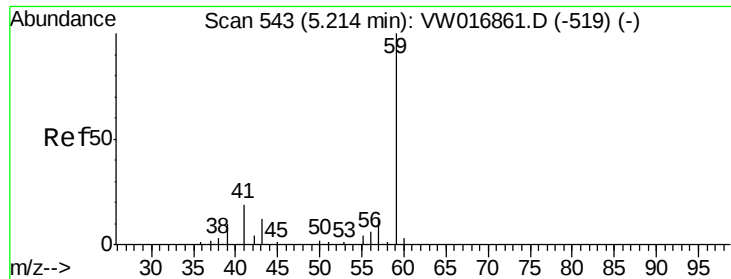
Delta R.T. -0.01 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Tgt Ion:	142	Resp:	13945
Ion Ratio	Lower	Upper	
142	100		
127	39.3	32.4	48.6
141	14.7	11.4	17.0





#11

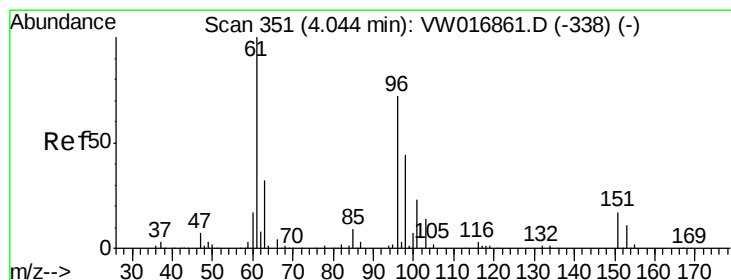
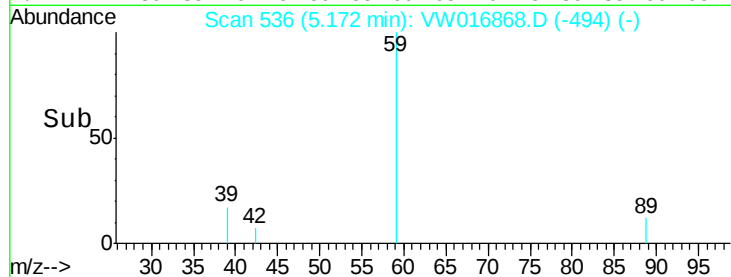
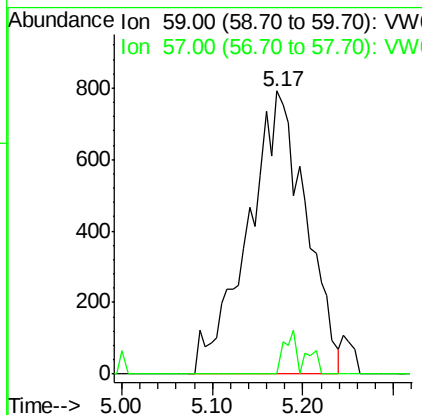
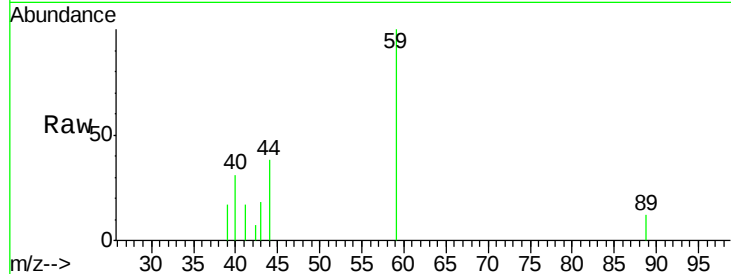
Tert butyl alcohol
 Concen: 22.460 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.04 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

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

Tot Ion: 59 Resp: 3507
 Ion Ratio Lower Upper
 59 100
 57 3.1 4.7 7.1#

Manual Integrations
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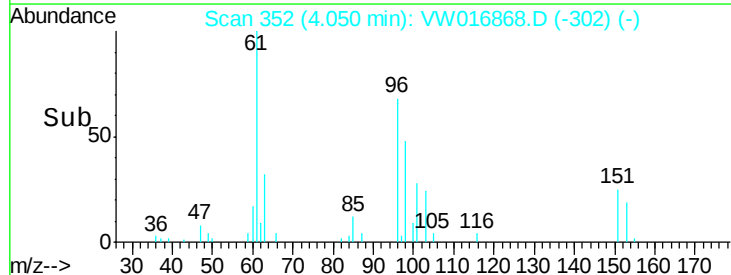
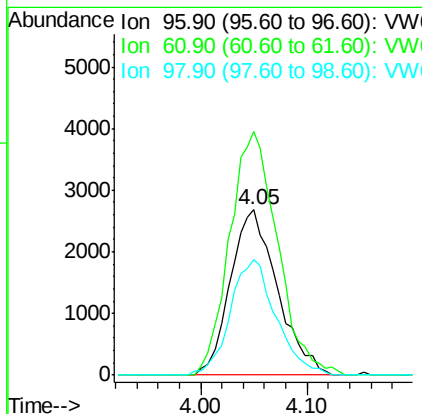
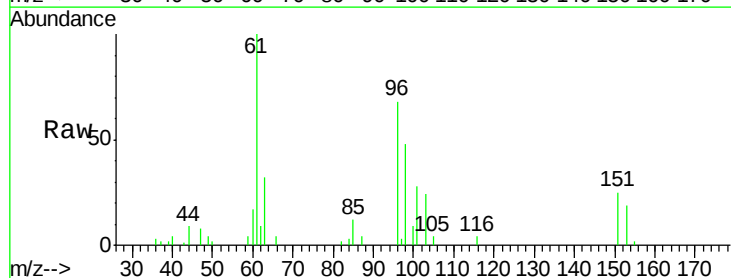
MMDadoda
 10/12/2020 4:20:52 PM

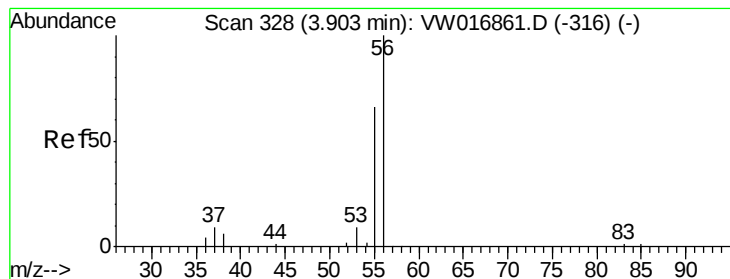


#12

1,1-Dichloroethene
 Concen: 2.517 ug/l
 RT: 4.05 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

Tgt Ion: 96 Resp: 8274
 Ion Ratio Lower Upper
 96 100
 61 147.6 111.7 167.5
 98 70.4 49.0 73.4





#13

Acrolein

Concen: 12.459 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 56 Resp: 2630

Ion Ratio Lower Upper

56 100

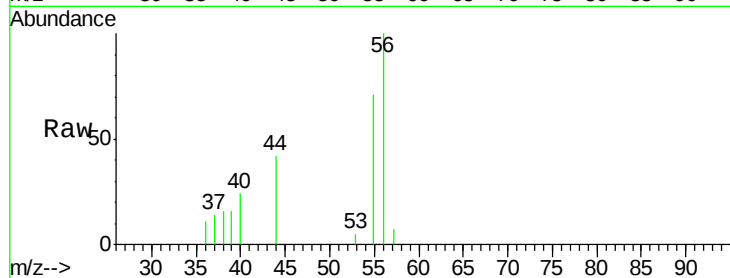
55 73.6 55.9 83.9

Manual Integrations

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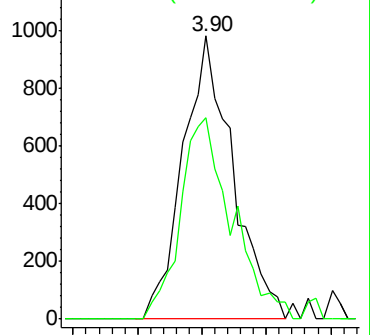
MMDadoda

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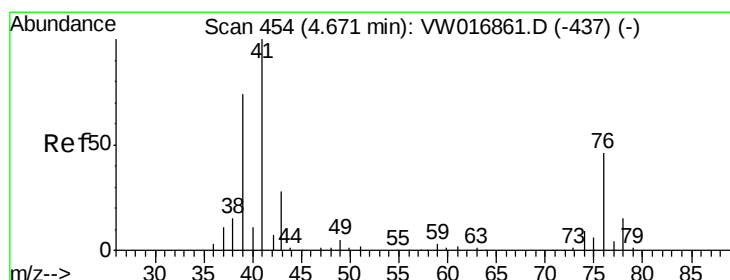
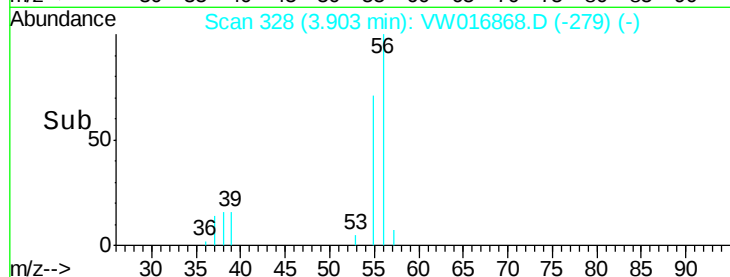


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time--> 3.80 3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 2.528 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

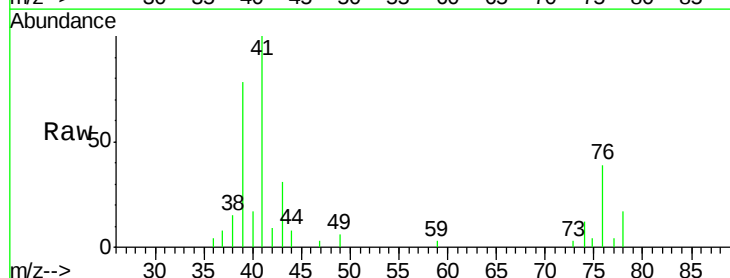
Tgt Ion: 41 Resp: 9946

Ion Ratio Lower Upper

41 100

39 75.3 57.8 86.8

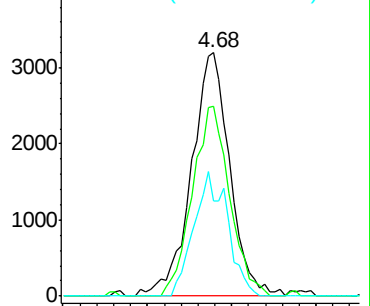
76 44.3 35.1 52.7



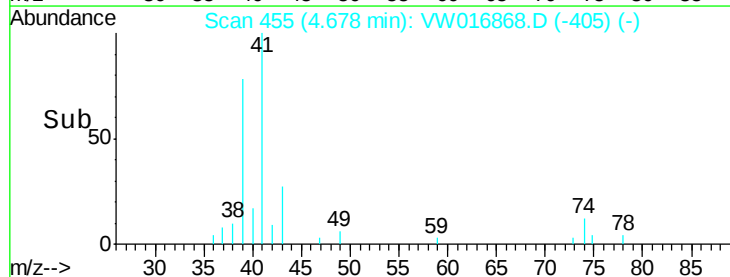
Abundance Ion 41.00 (40.70 to 41.70): VW

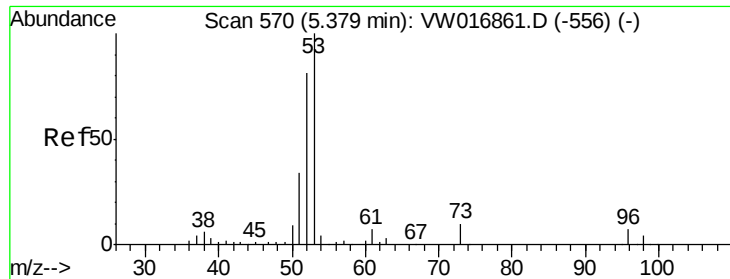
Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 12.124 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

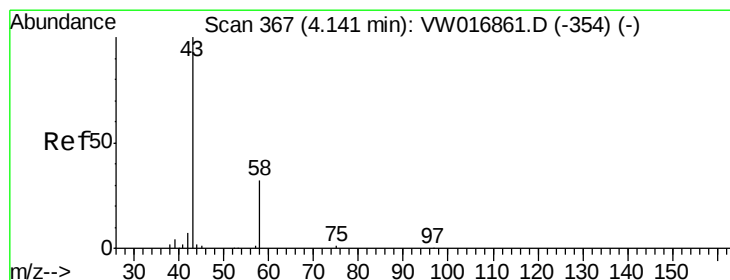
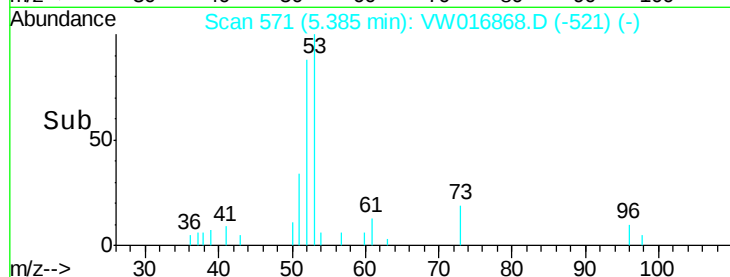
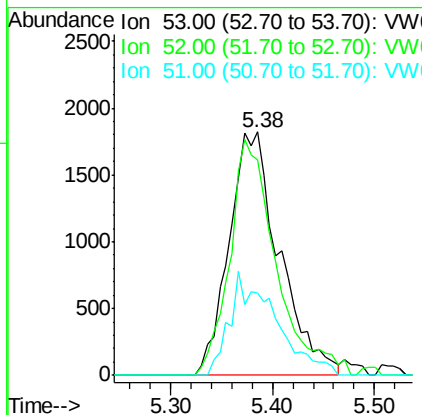
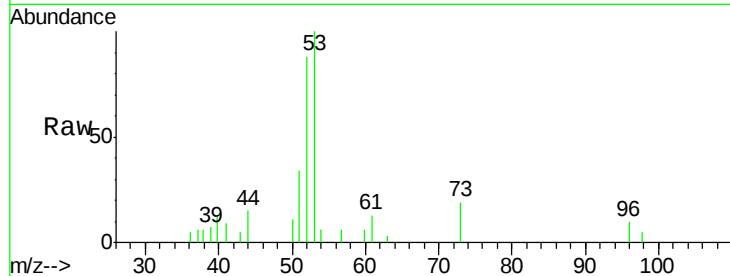
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	53	Resp:	6234
Ion	Ratio	Lower	Upper
53	100		
52	89.3	65.0	97.4
51	39.1	29.1	43.7

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 16.818 ug/l

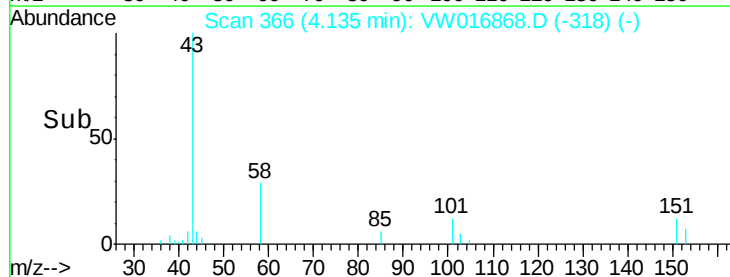
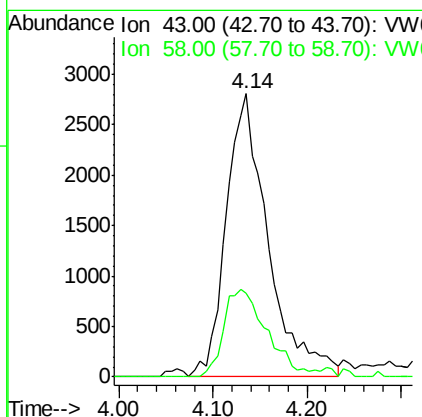
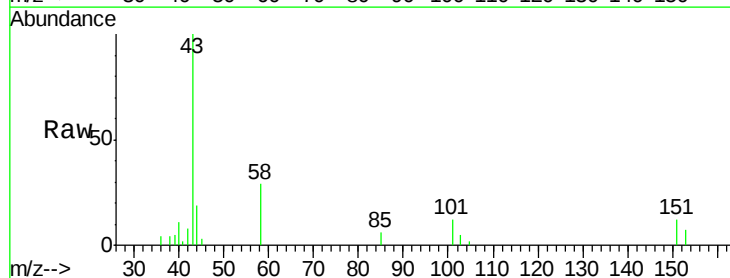
RT: 4.14 min Scan# 366

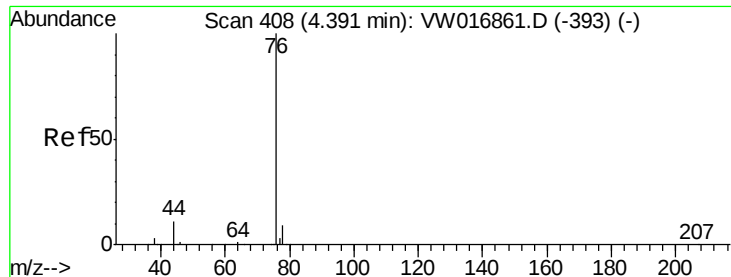
Delta R.T. -0.01 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Tgt Ion:	43	Resp:	8703
Ion	Ratio	Lower	Upper
43	100		
58	29.4	25.7	38.5





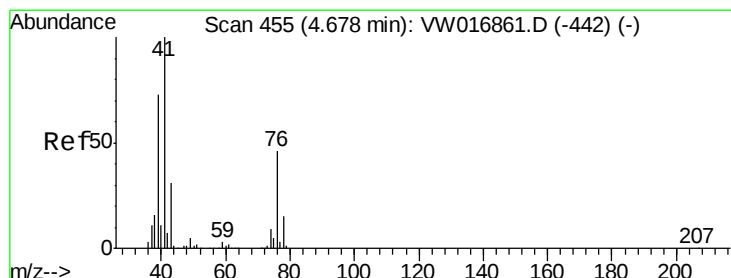
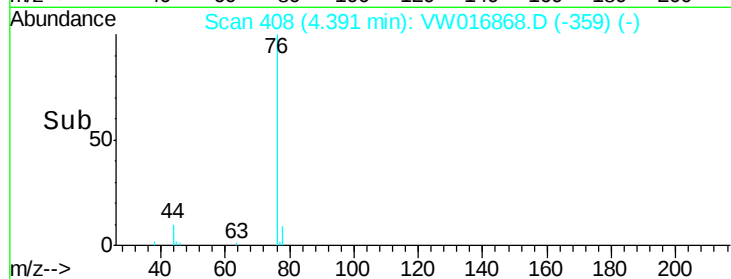
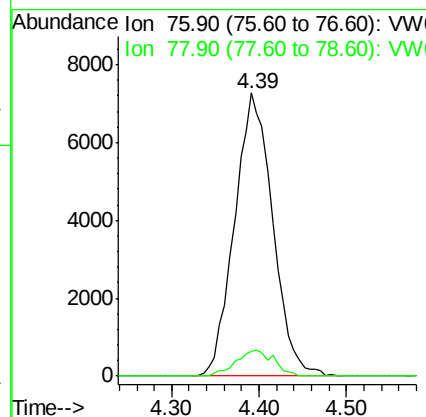
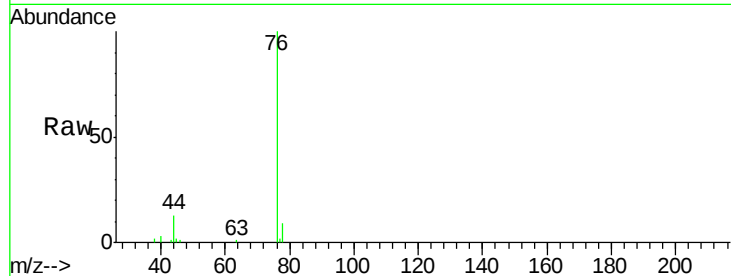
#17
Carbon Disulfide
Concen: 2.522 ug/l
RT: 4.39 min Scan# 408
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

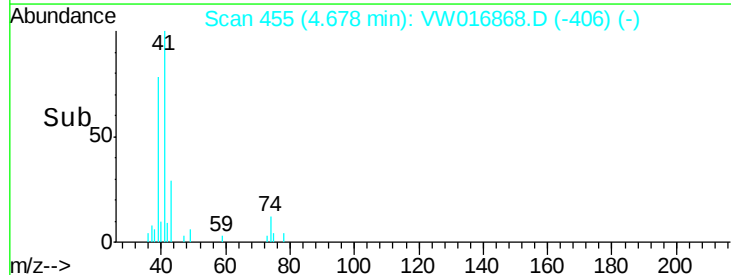
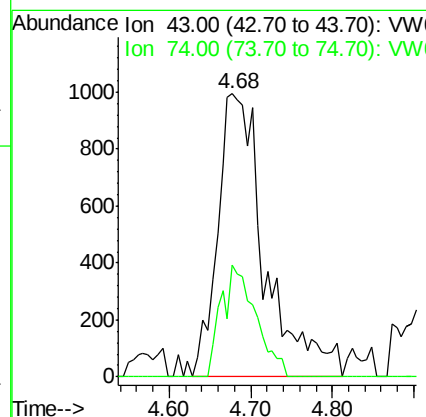
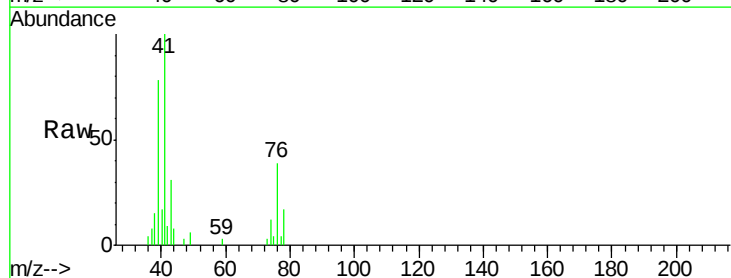
Manual Integrations
APPROVED

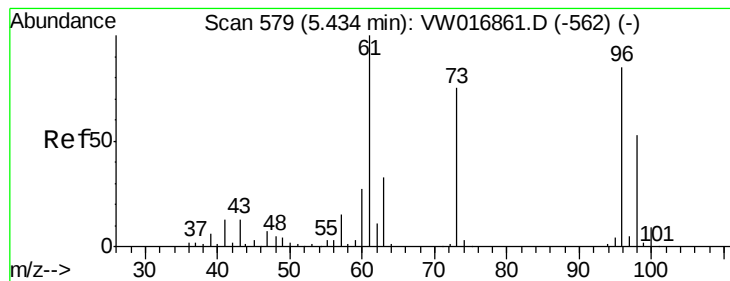
MMDadoda
10/12/2020 4:20:52 PM



#18
Methyl Acetate
Concen: 3.374 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.8	23.8	35.6





#19

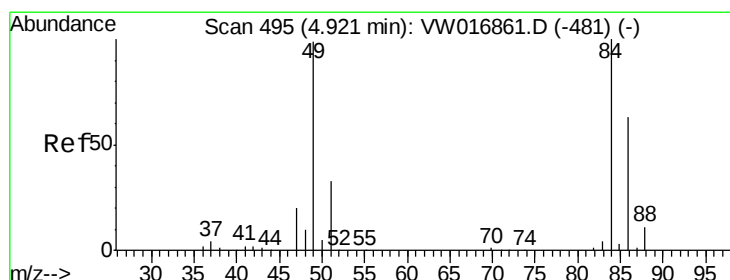
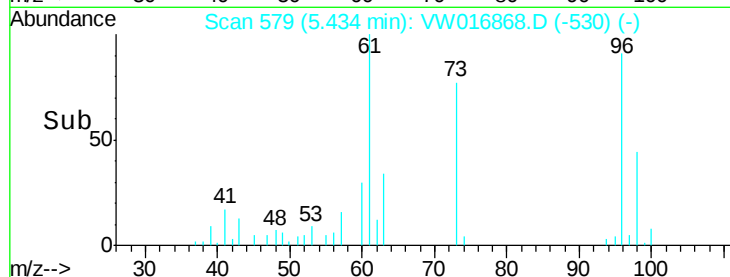
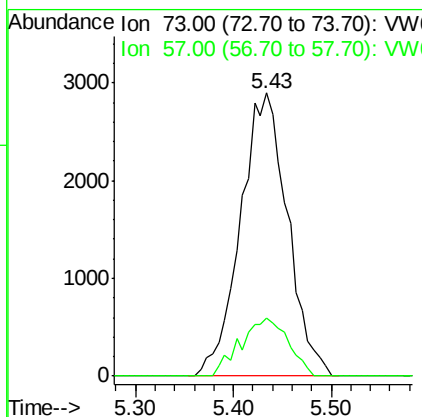
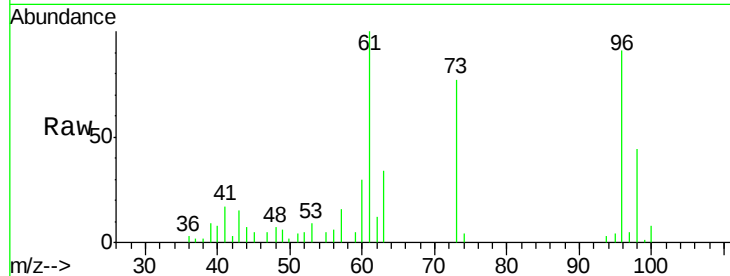
Methyl tert-butyl Ether
 Concen: 2.730 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

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

Tot Ion: 73 Resp: 9672
 Ion Ratio Lower Upper
 73 100
 57 20.4 16.1 24.1

Manual Integrations
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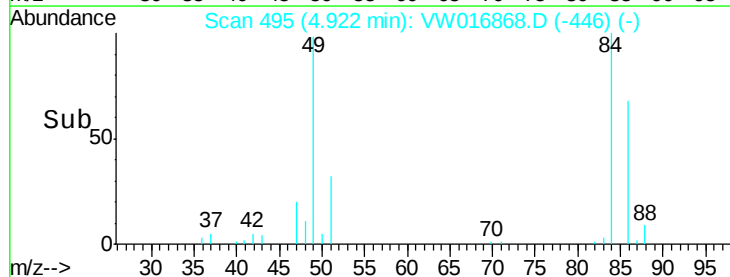
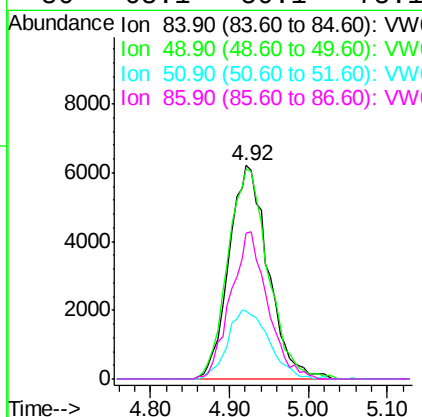
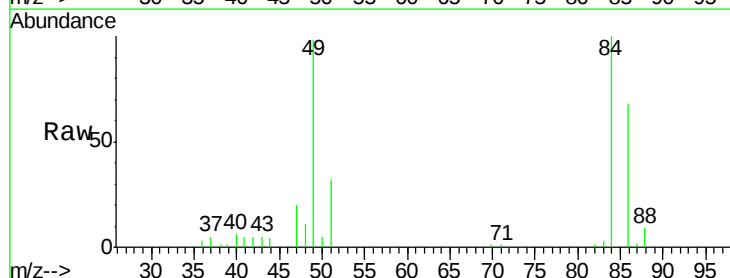
MMDadoda
 10/12/2020 4:20:52 PM

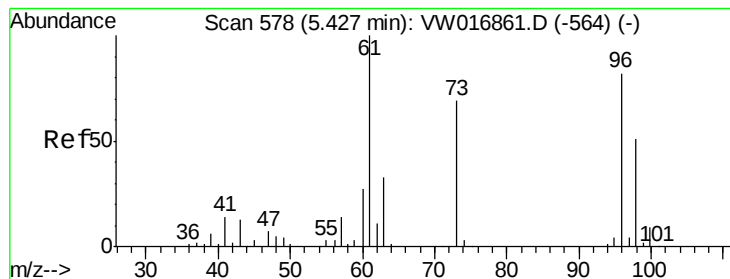


#20

Methylene Chloride
 Concen: 5.215 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

Tgt Ion: 84 Resp: 21385
 Ion Ratio Lower Upper
 84 100
 49 98.3 79.0 118.6
 51 32.0 26.1 39.1
 86 68.1 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 2.596 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

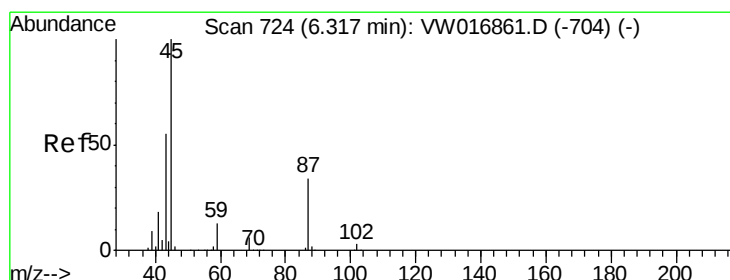
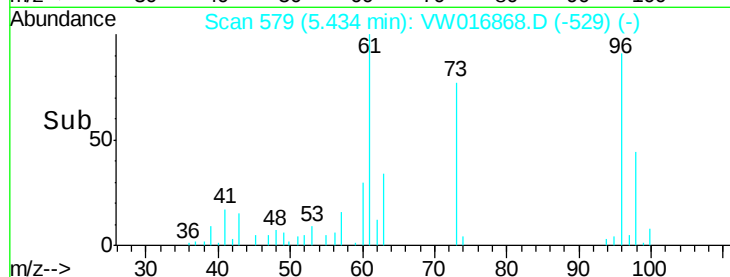
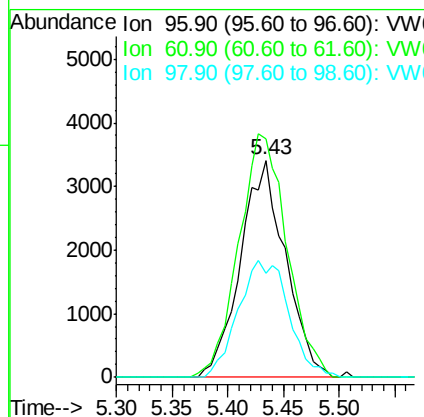
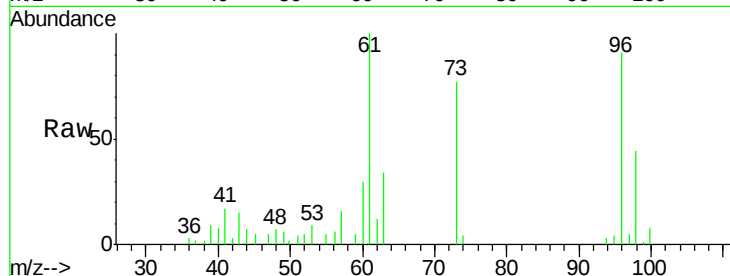
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	96	Resp:	9581
Ion	Ratio	Lower	Upper
96	100		
61	110.0	97.4	146.0
98	48.0	49.4	74.0#

Manual Integrations
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#22

Diisopropyl ether

Concen: 2.548 ug/l

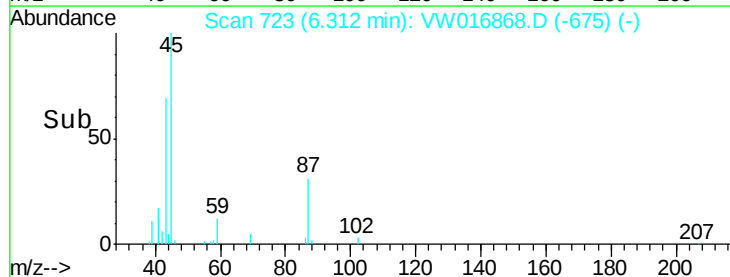
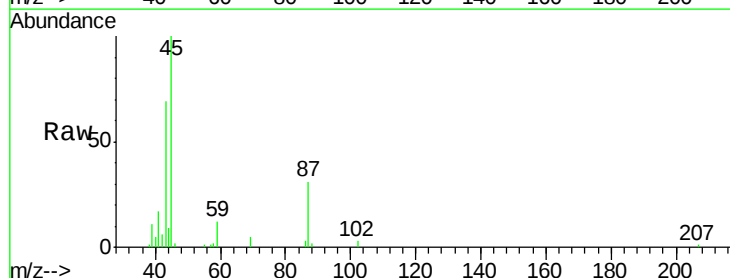
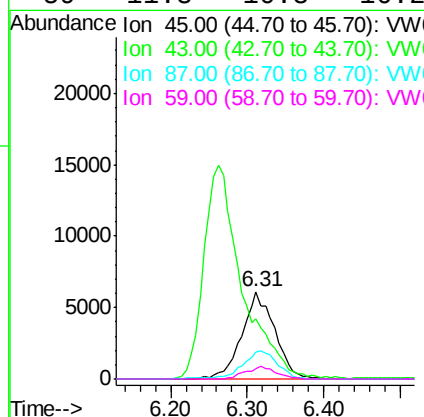
RT: 6.31 min Scan# 723

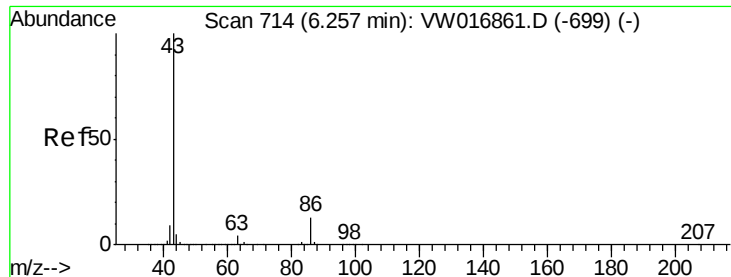
Delta R.T. -0.01 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Tgt Ion:	45	Resp:	18224
Ion	Ratio	Lower	Upper
45	100		
43	66.9	43.8	65.8#
87	31.1	27.6	41.4
59	11.8	10.8	16.2





#23

Vinyl Acetate

Concen: 11.343 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 51975

Ion Ratio Lower Upper

43 100

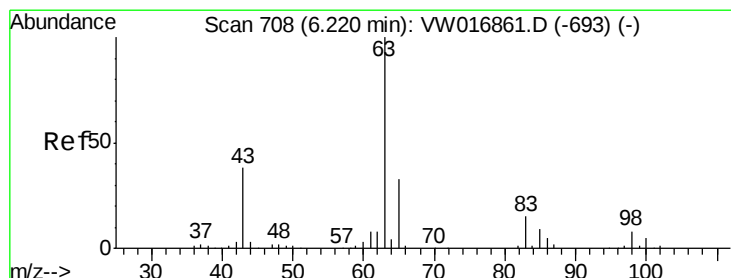
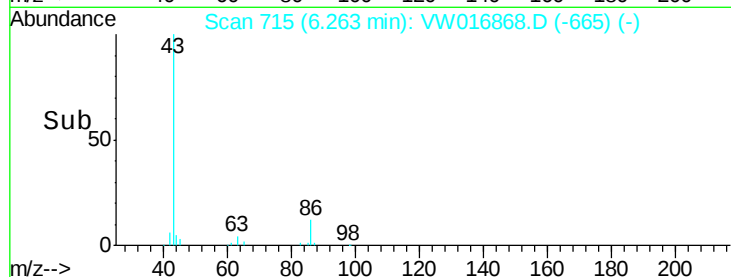
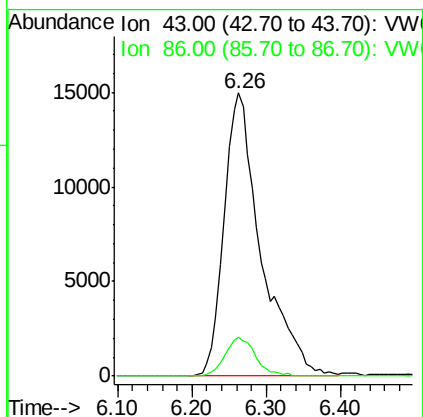
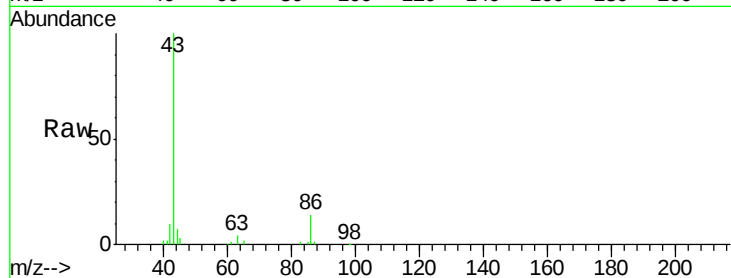
86 13.8 10.2 15.4

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 2.486 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

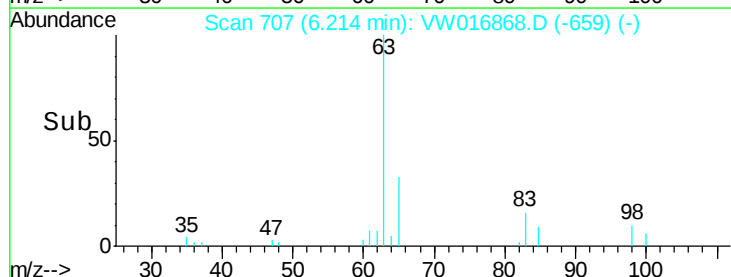
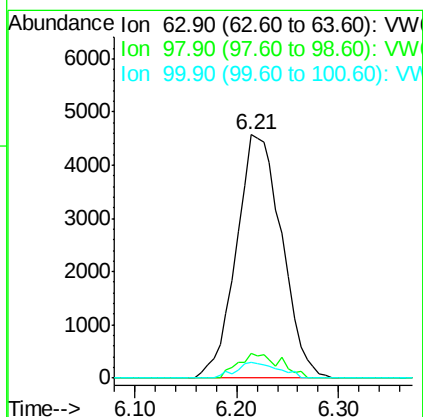
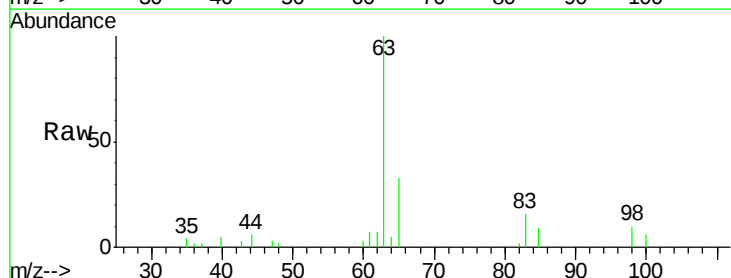
Tgt Ion: 63 Resp: 14095

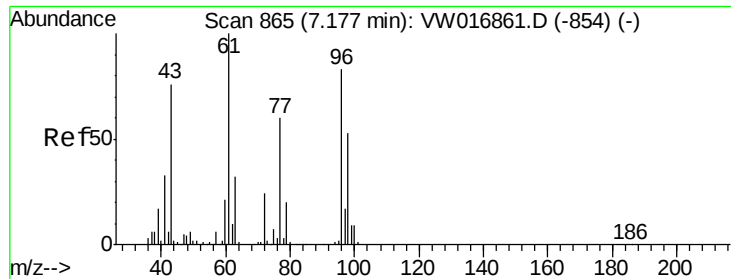
Ion Ratio Lower Upper

63 100

98 10.0 4.2 12.6

100 6.4 2.6 7.8





#25

2-Butanone

Concen: 14.469 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 9982

Ion Ratio Lower Upper

43 100

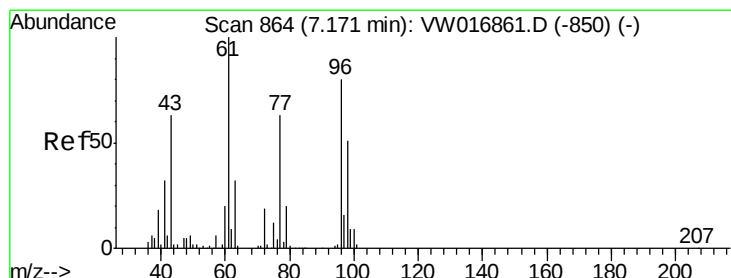
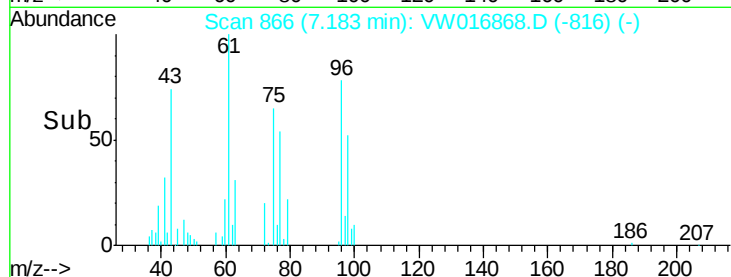
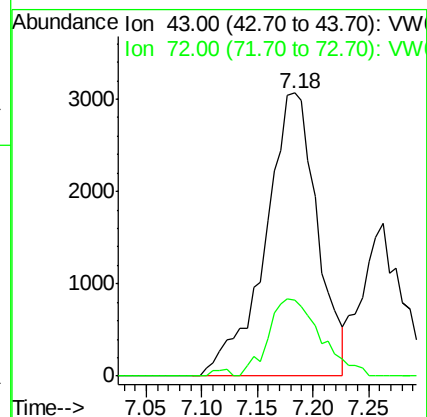
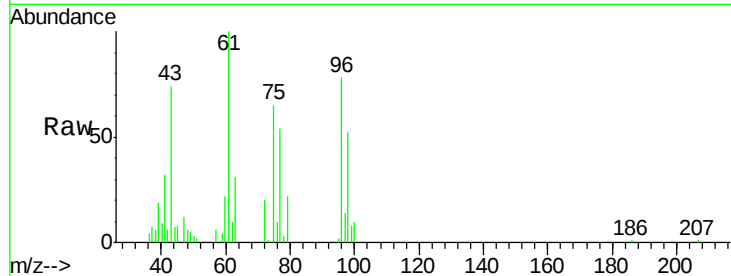
72 26.9 25.4 38.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 3.122 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016868.D

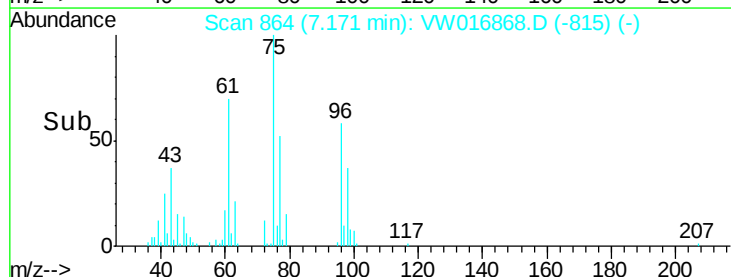
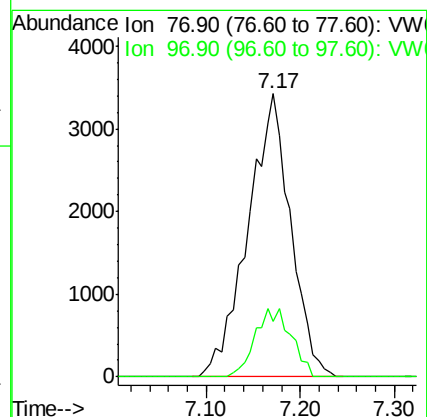
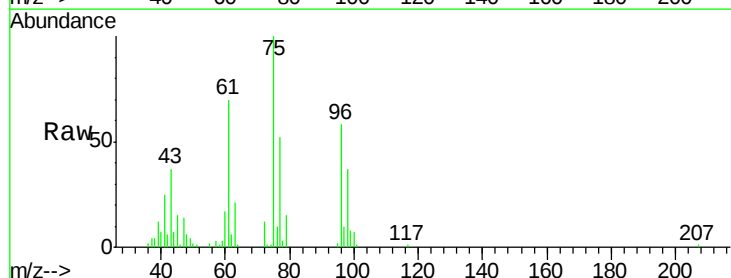
Acq: 09 Oct 2020 18:54

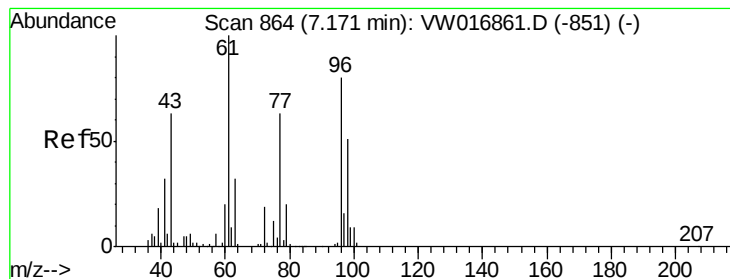
Tgt Ion: 77 Resp: 10832

Ion Ratio Lower Upper

77 100

97 20.3 12.4 37.4





#27

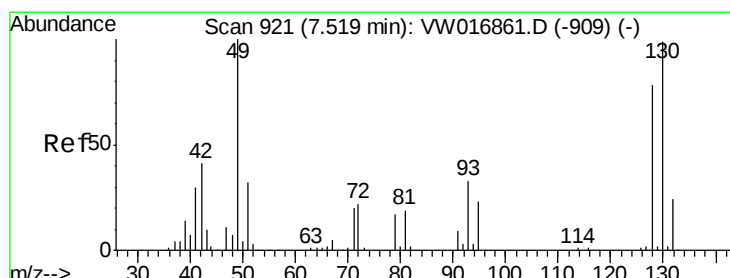
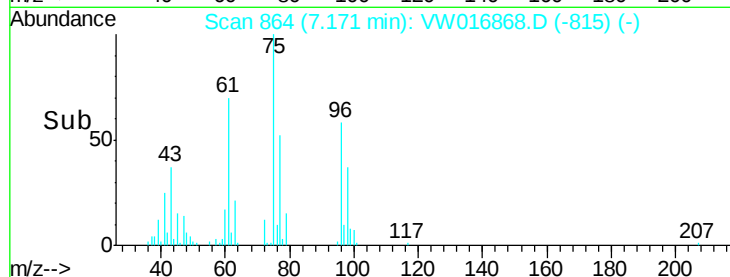
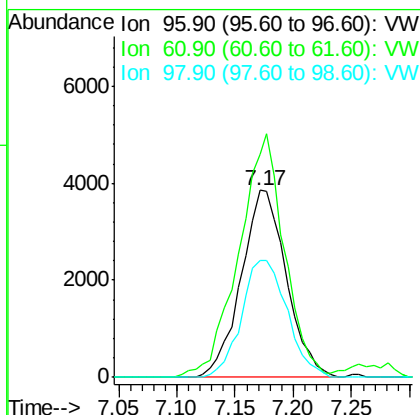
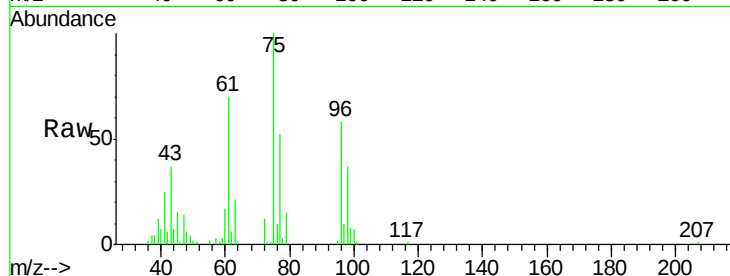
cis-1,2-Dichloroethene
Concen: 2.640 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	0.0	249.6
98	63.0	0.0	129.4

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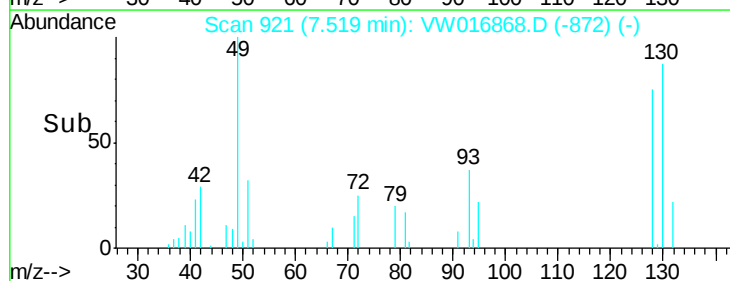
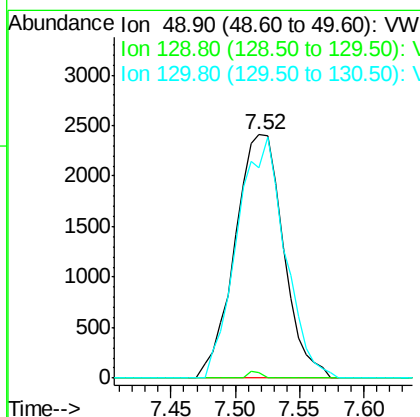
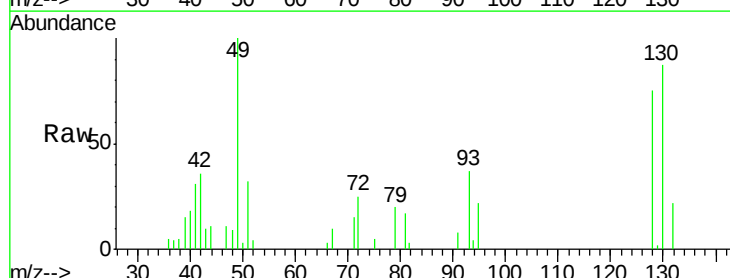
MMDadoda
10/12/2020 4:20:52 PM

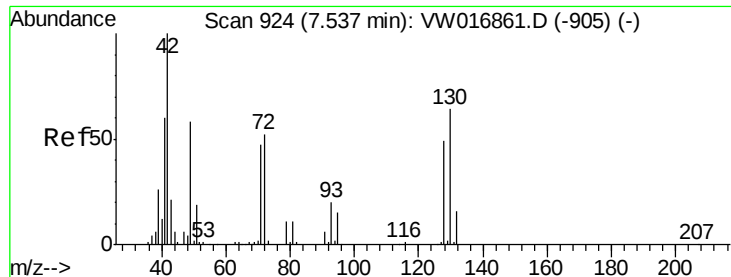


#28

Bromochloromethane
Concen: 2.769 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.8
130	97.9	81.3	121.9





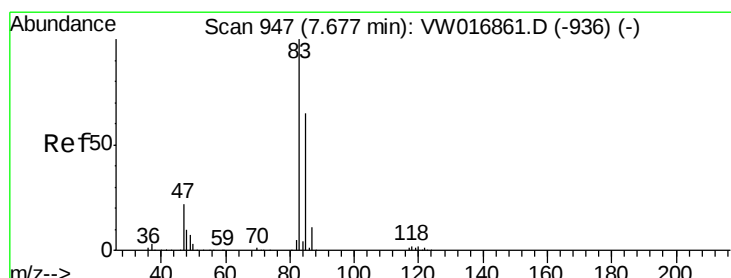
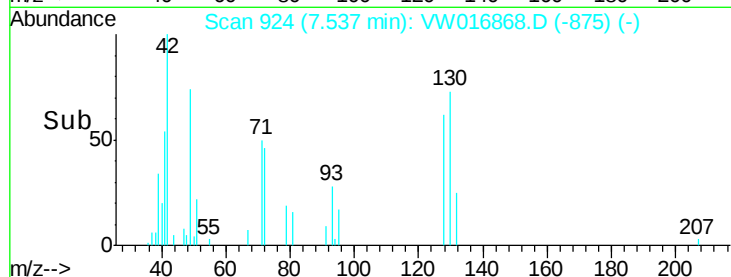
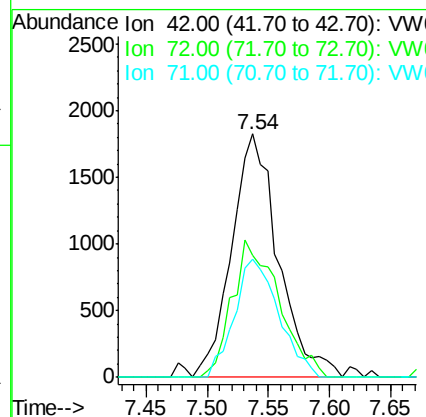
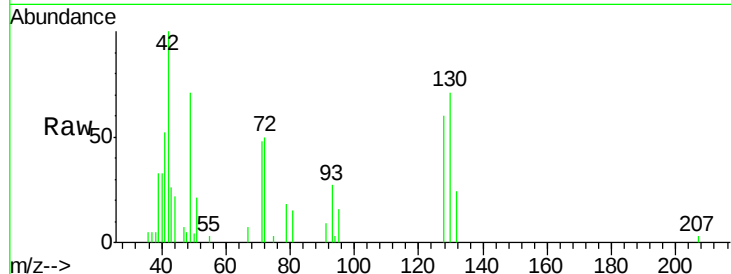
#29
Tetrahydrofuran
Concen: 12.520 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.8	42.0	63.0
71	46.0	39.0	58.6

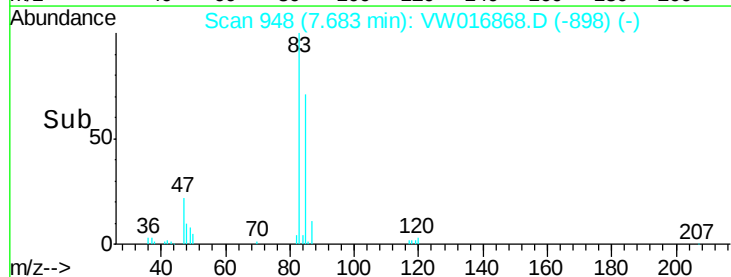
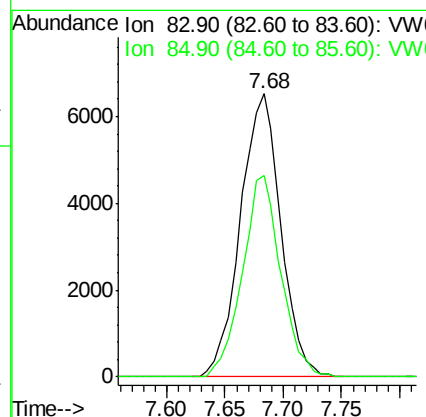
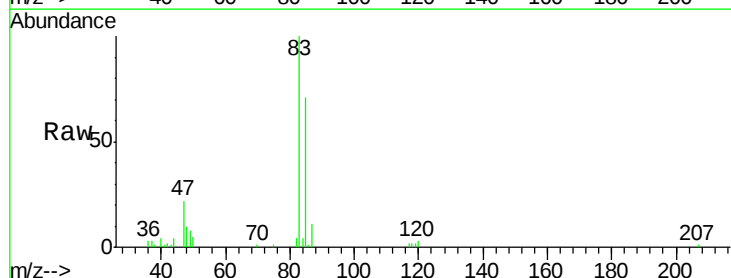
Manual Integrations
APPROVED

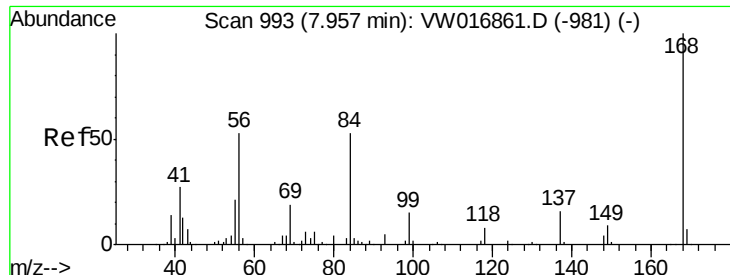
MMDadoda
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#30
Chloroform
Concen: 2.556 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.1	51.7	77.5





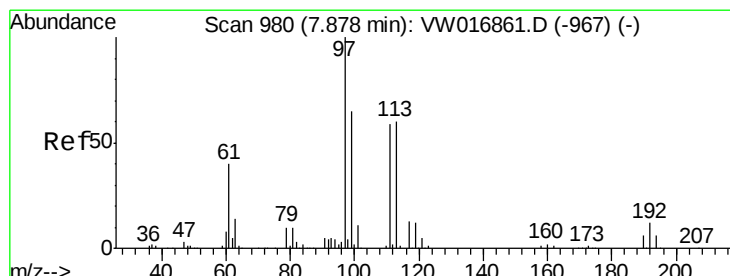
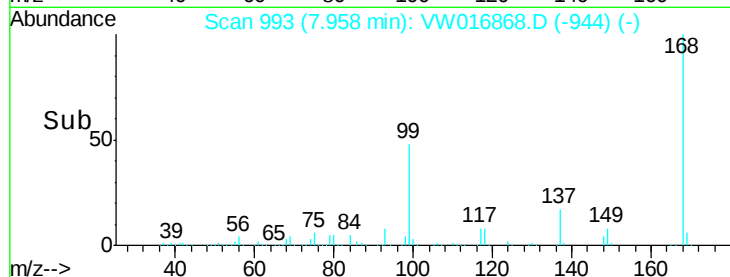
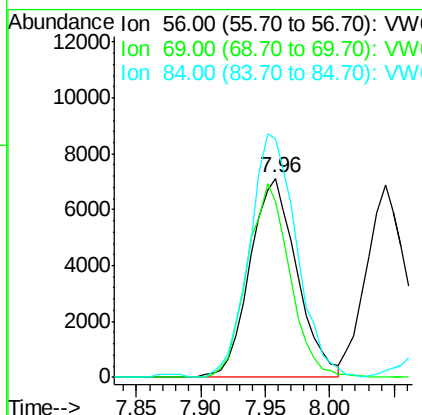
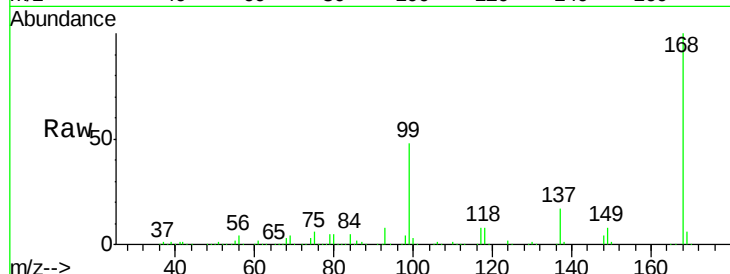
#31
Cyclohexane
Concen: 3.713 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	88.4	29.3	43.9#
84	119.8	80.5	120.7

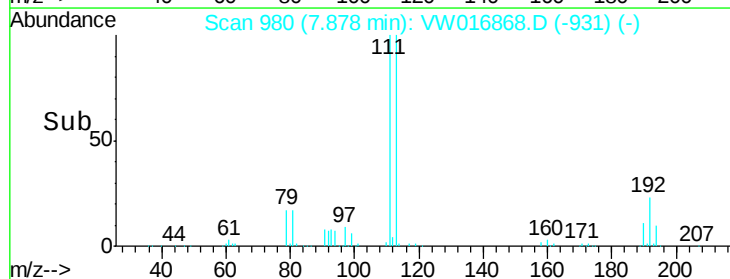
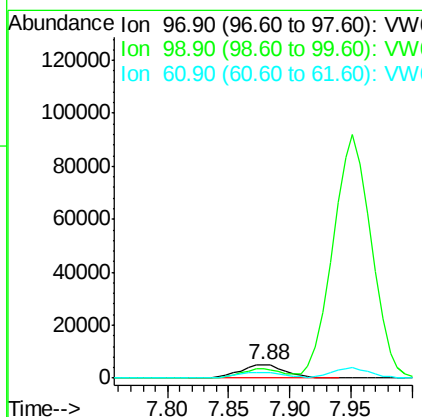
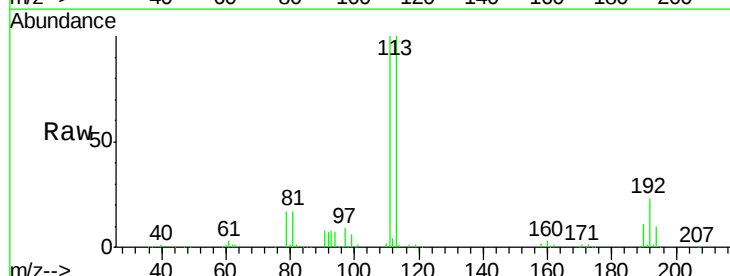
Manual Integrations
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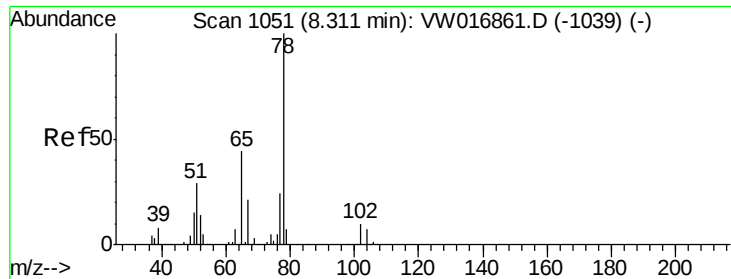
MMDadoda
10/12/2020 4:20:52 PM



#32
1,1,1-Trichloroethane
Concen: 2.582 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.4	78.6
61	42.0	31.9	47.9





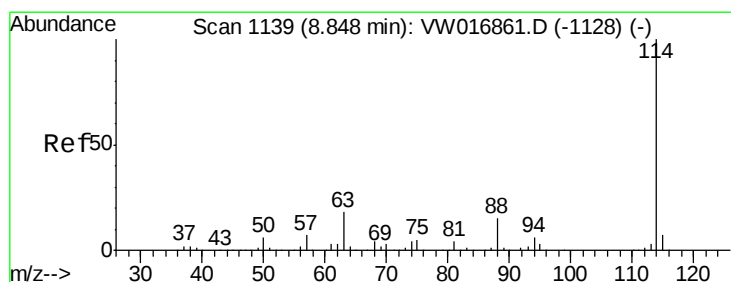
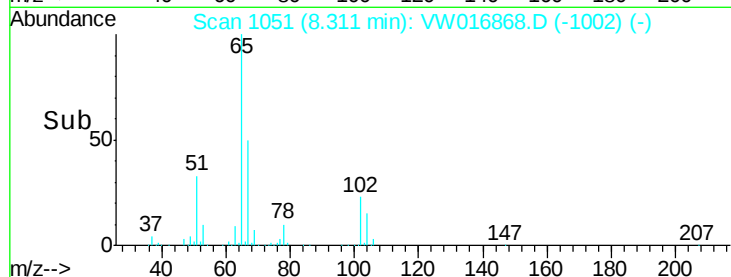
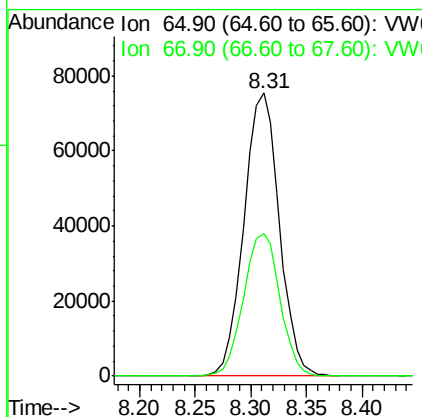
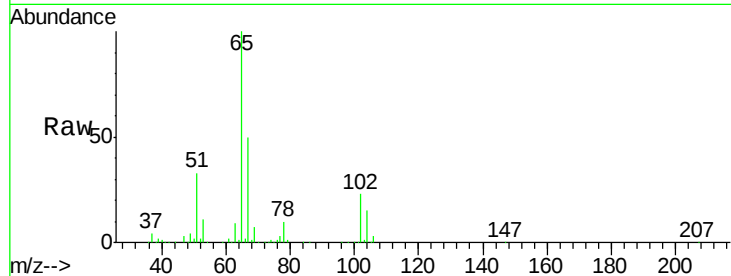
#33
 1,2-Dichloroethane-d4
 Concen: 52.322 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	167171		
67	52.0	0.0	103.8	

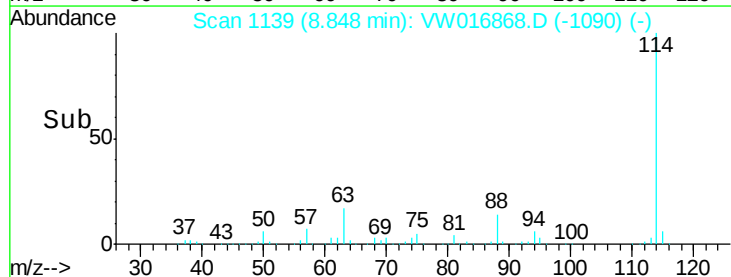
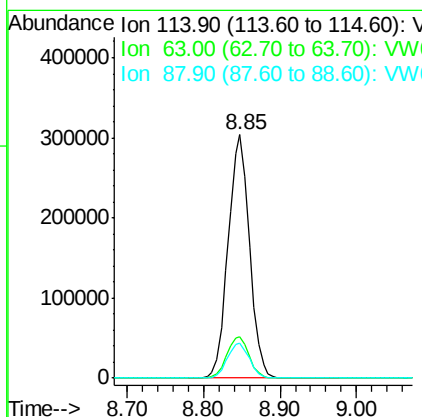
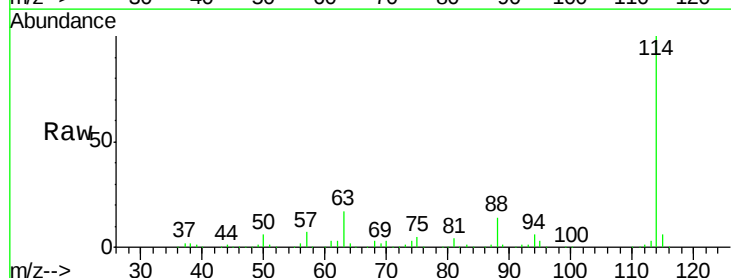
Manual Integrations
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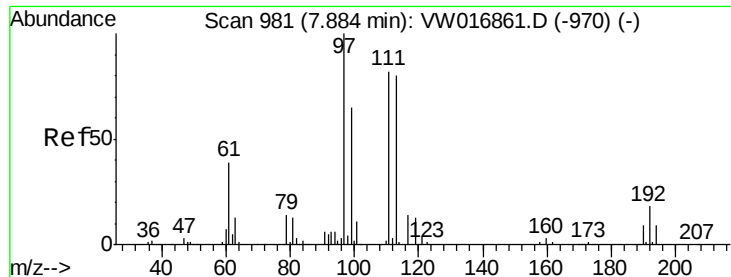
MMDadoda
 10/12/2020 4:20:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	584116		
63	17.2	0.0	35.6	
88	14.1	0.0	30.4	





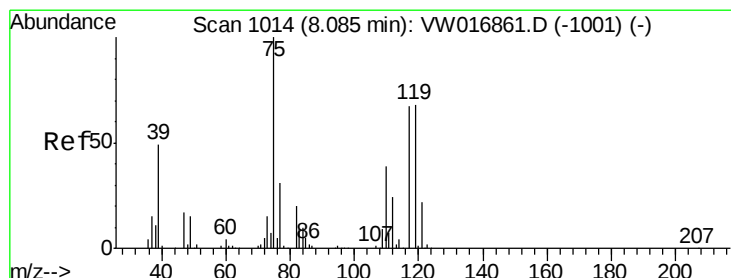
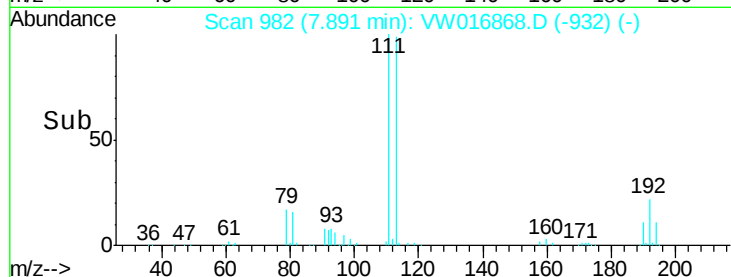
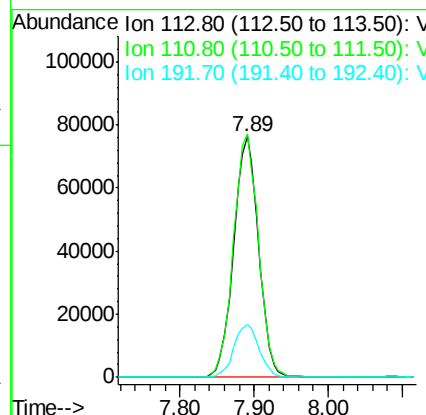
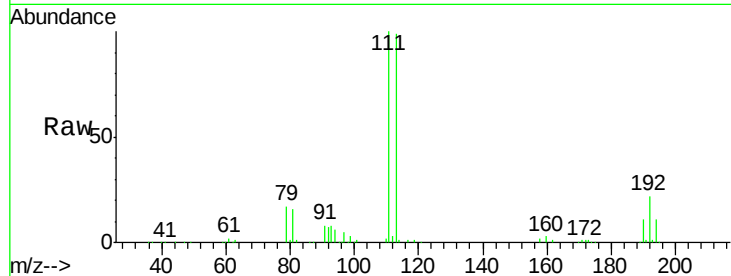
#35
 Dibromofluoromethane
 Concen: 49.952 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	178835		
111	101.8	81.4	122.2	
192	22.3	17.8	26.8	

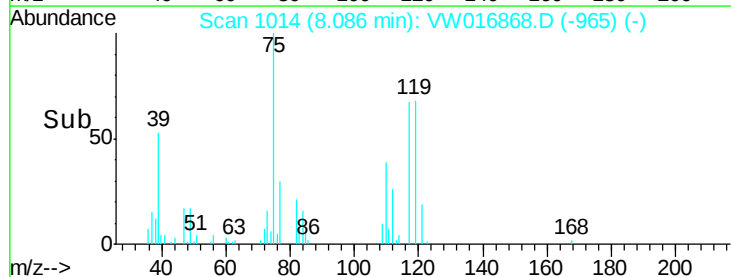
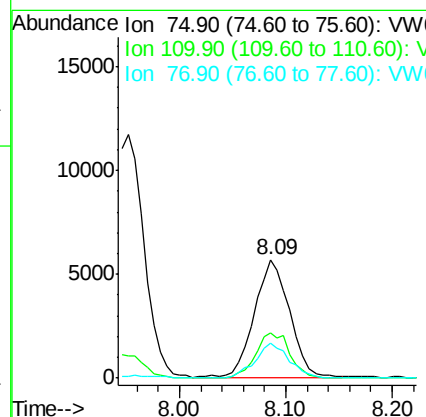
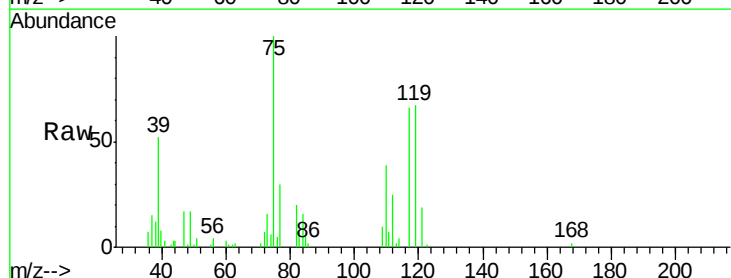
Manual Integrations
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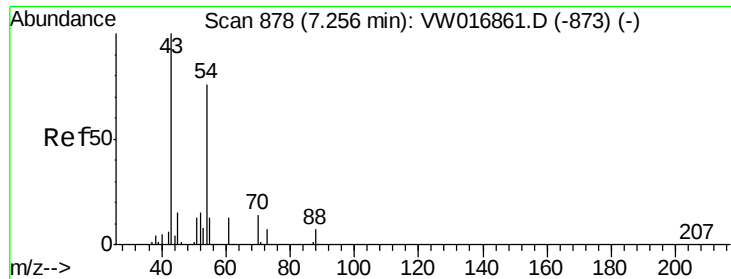
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#36
 1,1-Dichloropropene
 Concen: 2.664 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13452		
110	36.3	19.3	57.9	
77	28.0	25.0	37.6	





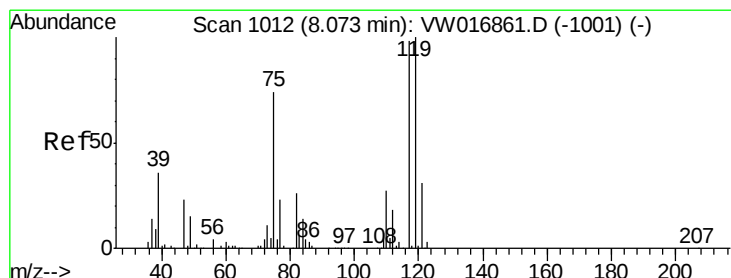
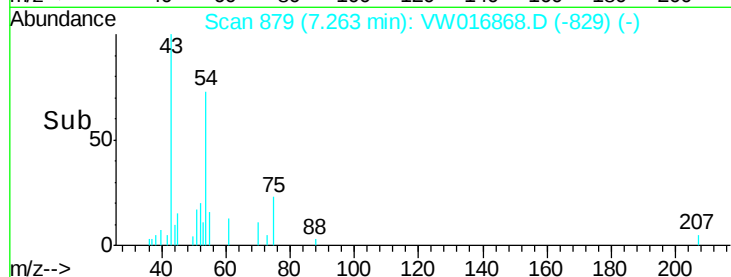
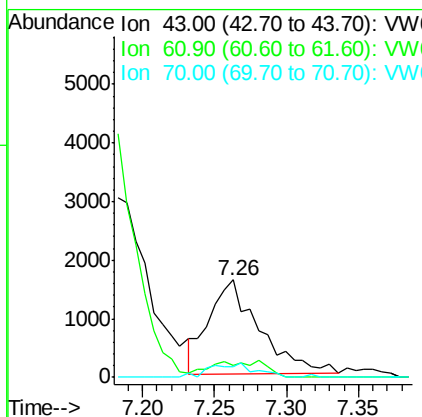
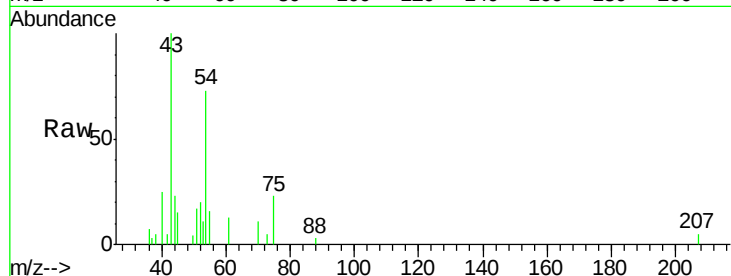
#37
Ethyl Acetate
Concen: 2.400 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.0	18.0#
70	12.8	9.9	14.9

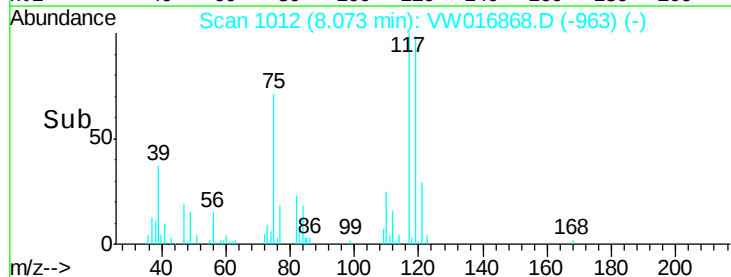
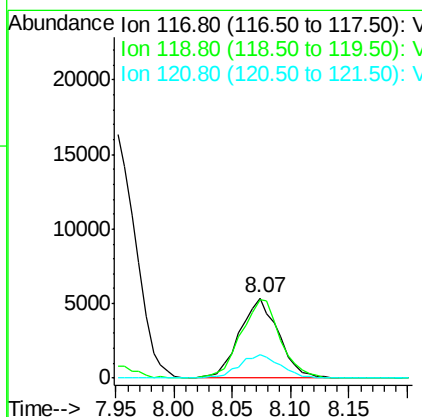
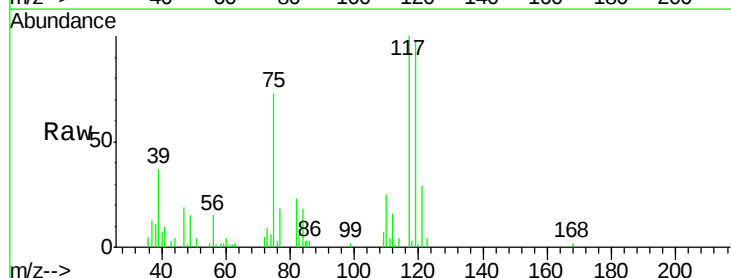
Manual Integrations
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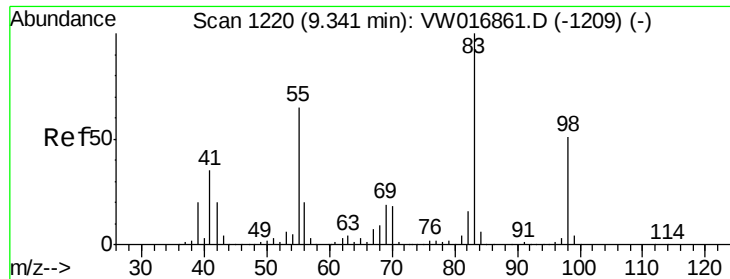
MMDadoda
10/12/2020 4:20:52 PM



#38
Carbon Tetrachloride
Concen: 2.391 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	81.6	122.4
121	29.1	25.7	38.5





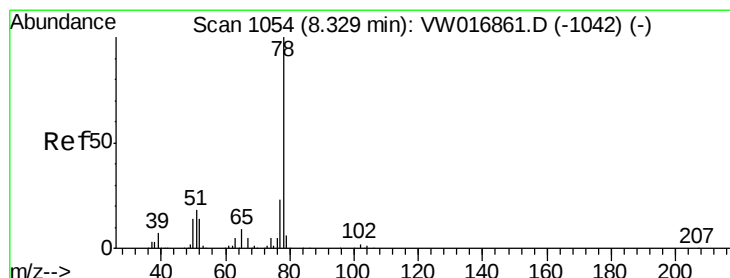
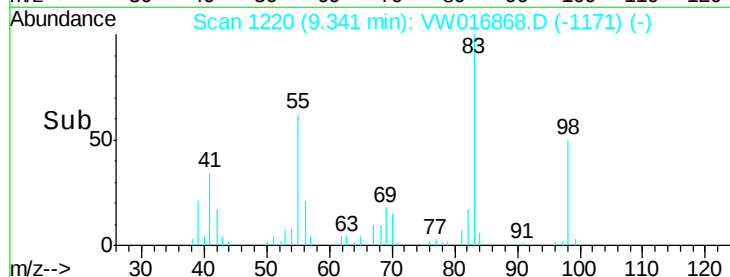
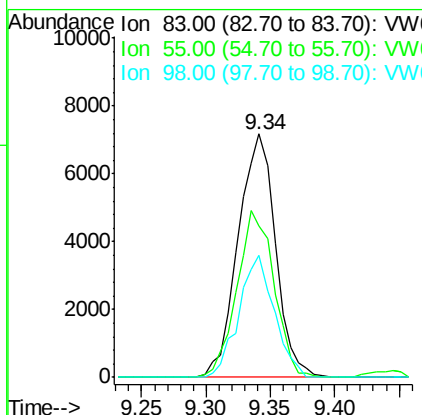
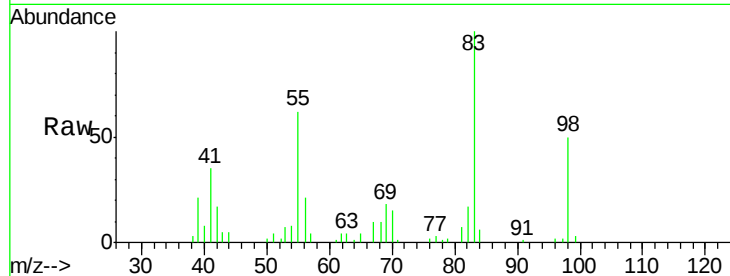
#39
Methvlcvclohexane
Concen: 2.498 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.4	51.7	77.5
98	50.0	41.0	61.4

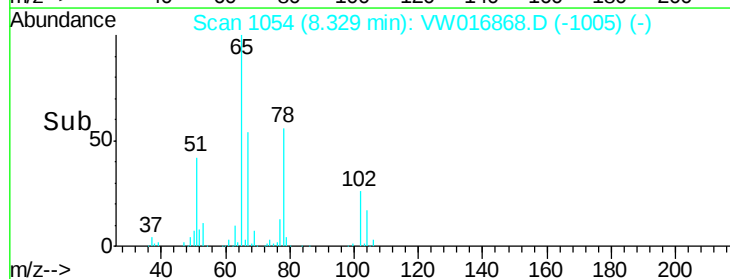
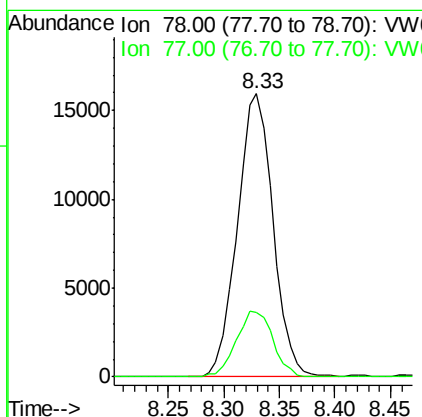
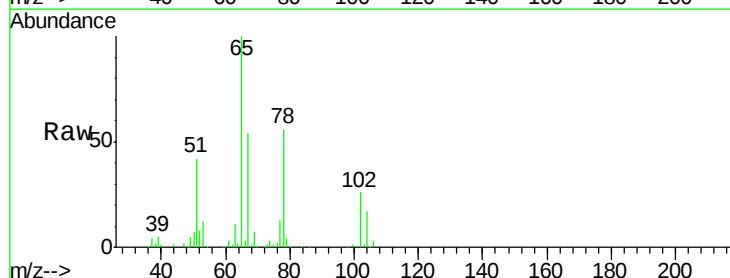
Manual Integrations
APPROVED

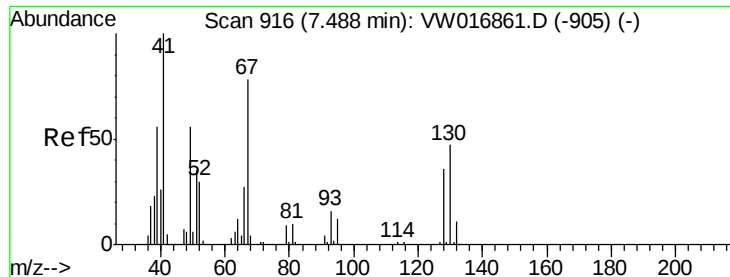
MMDadoda
10/12/2020 4:20:52 PM



#40
Benzene
Concen: 2.520 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.5	27.7





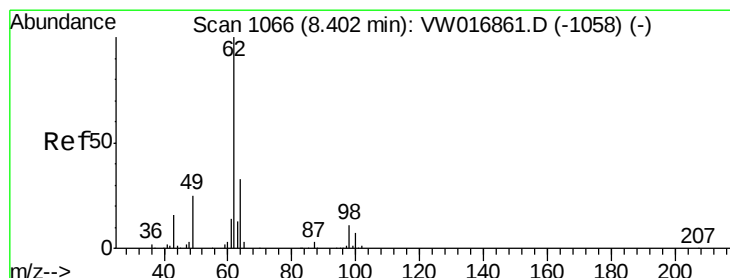
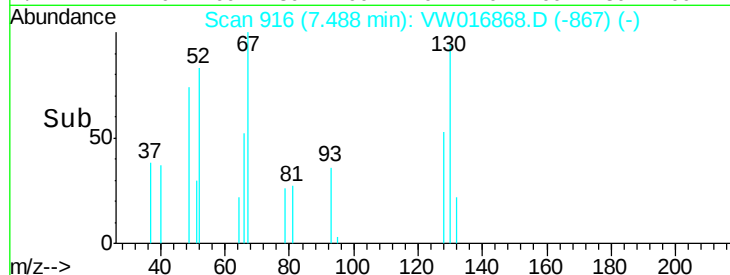
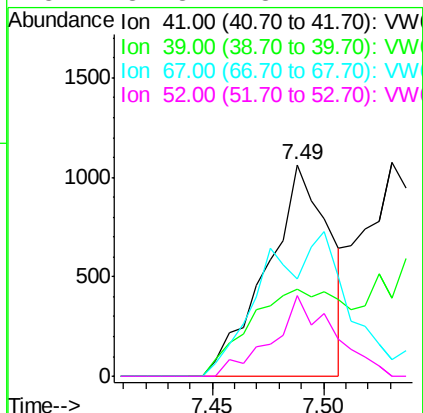
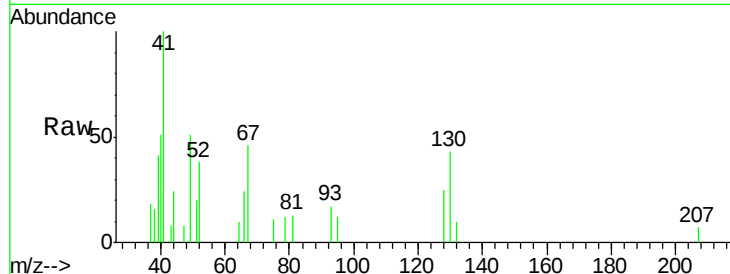
#41
Methacrylonitrile
Concen: 2.112 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion:	41	Resp:	2065
Ion	Ratio	Lower	Upper
41	100		
39	62.6	47.0	70.6
67	95.1	68.6	102.8
52	37.3	28.1	42.1

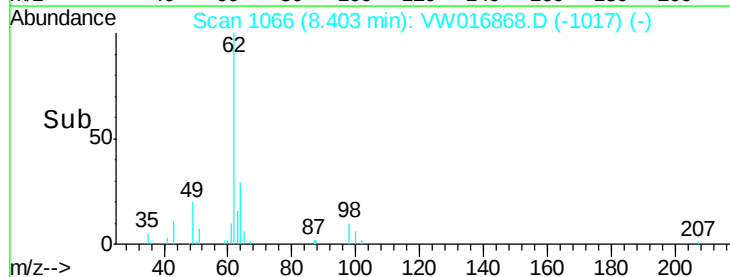
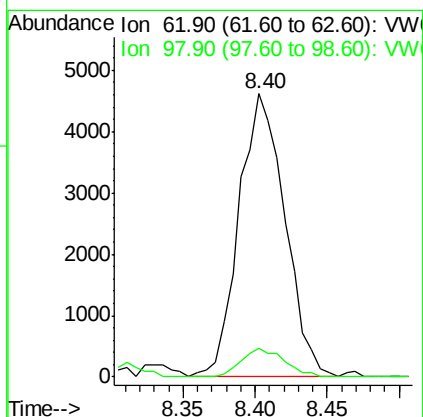
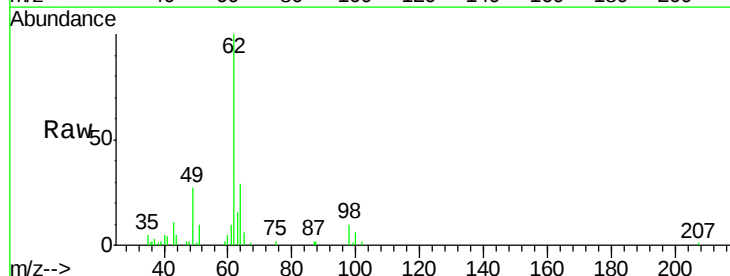
Manual Integrations
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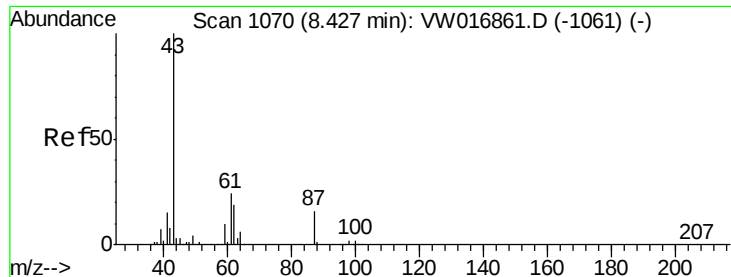
MMDadoda
10/12/2020 4:20:52 PM



#42
1,2-Dichloroethane
Concen: 2.654 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion:	62	Resp:	10215
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	21.0





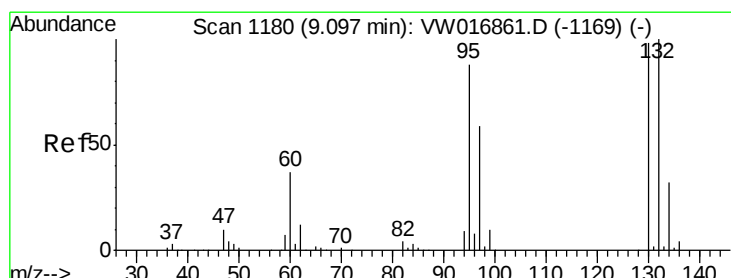
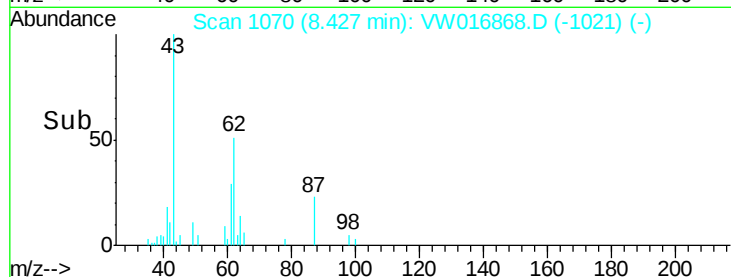
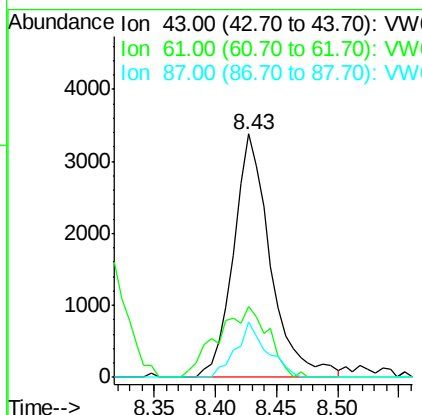
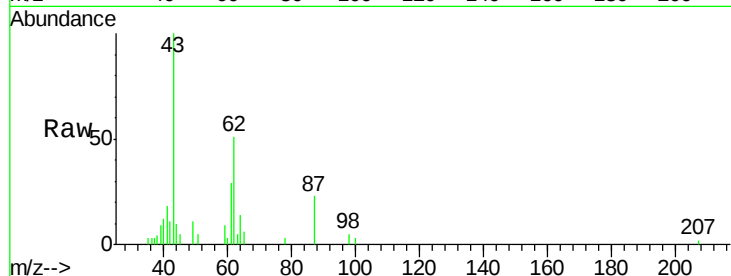
#43
Isopropyl Acetate
Concen: 2.241 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	40.0	27.5	41.3
87	19.0	13.6	20.4

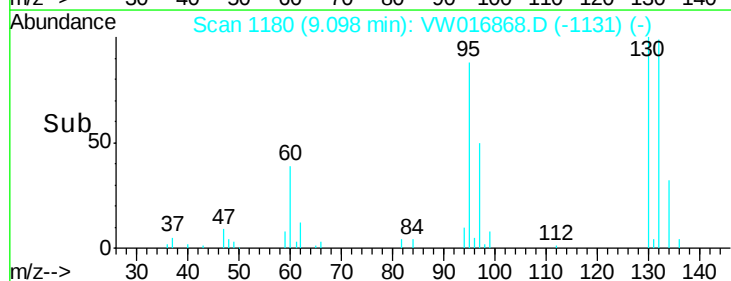
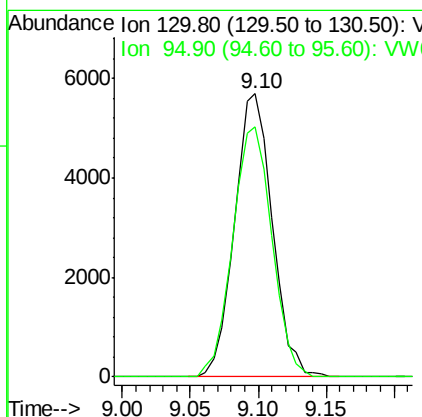
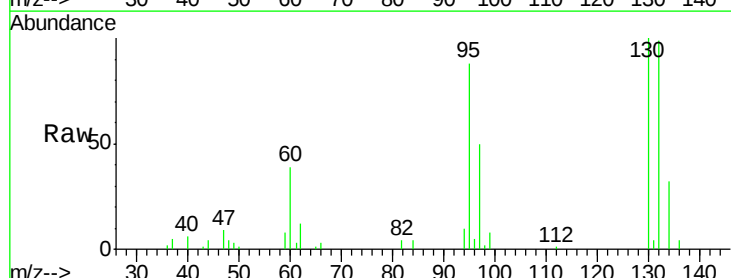
Manual Integrations
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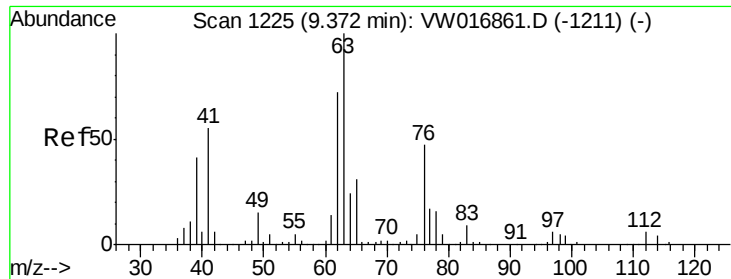
MMDadoda
10/12/2020 4:20:52 PM



#44
Trichloroethene
Concen: 2.537 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.3	0.0	180.2





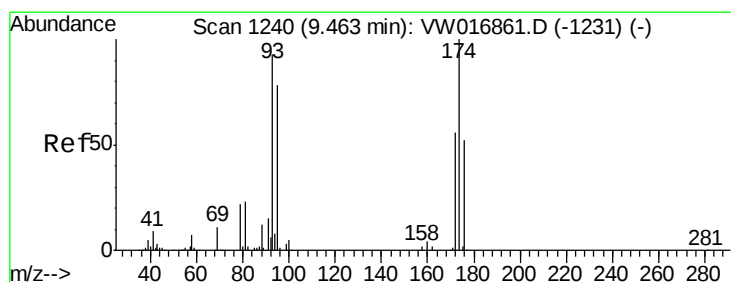
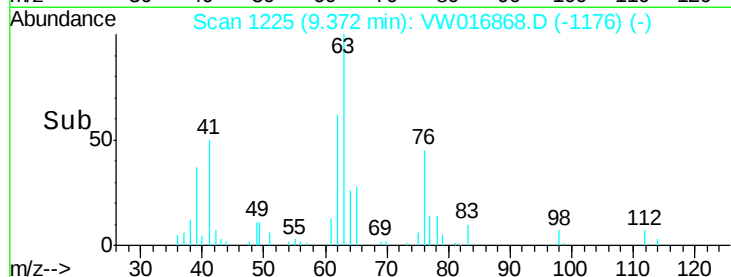
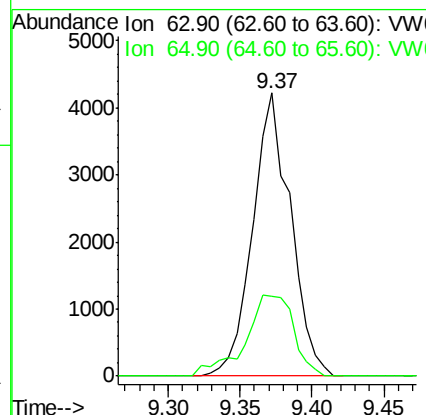
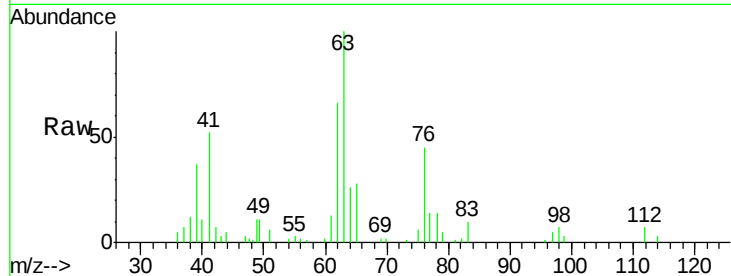
#45
 1,2-Dichloropropane
 Concen: 2.390 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

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

Tot Ion: 63 Resp: 7668
 Ion Ratio Lower Upper
 63 100
 65 28.3 25.1 37.7

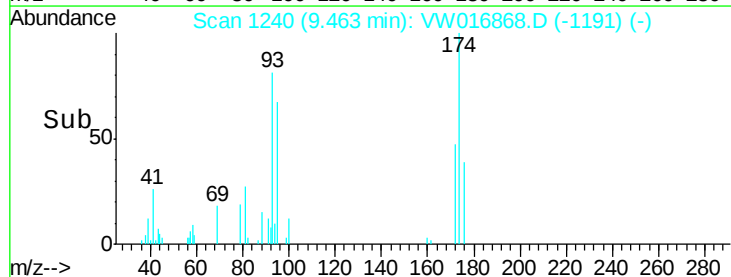
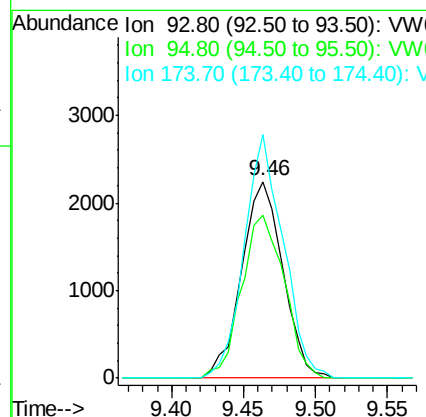
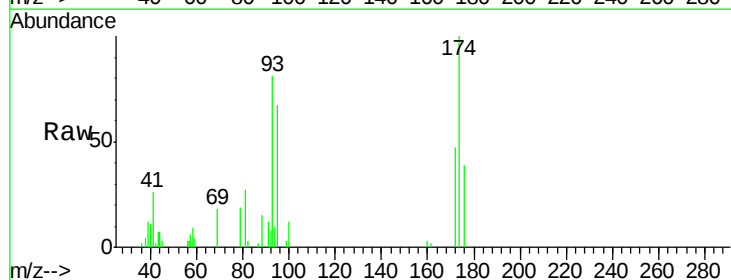
Manual Integrations
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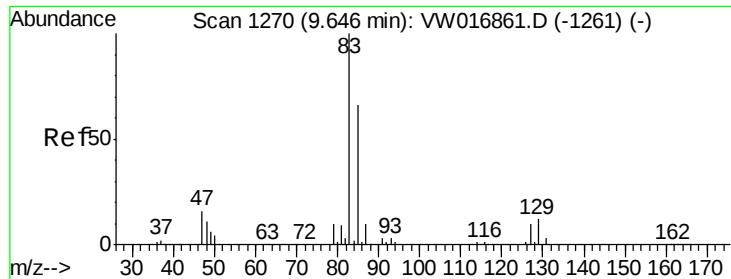
MMDadoda
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#46
 Dibromomethane
 Concen: 2.430 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

Tgt Ion: 93 Resp: 4459
 Ion Ratio Lower Upper
 93 100
 95 85.8 66.5 99.7
 174 117.0 91.0 136.6





#47

Bromodichloromethane

Concen: 2.466 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

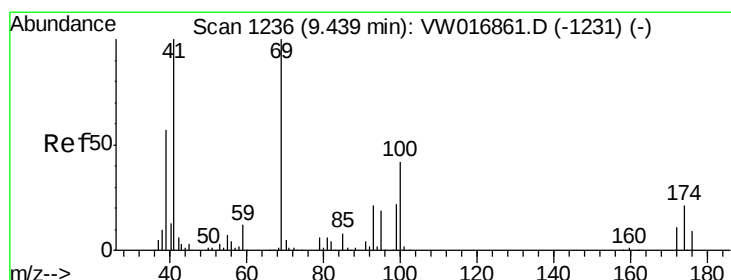
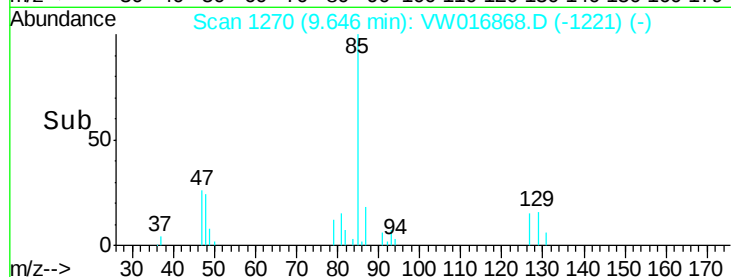
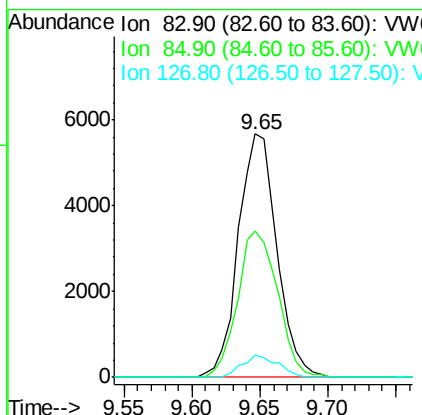
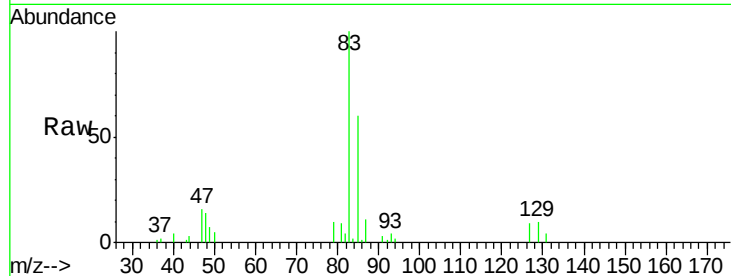
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	83	Resp:	11252
Ion	Ratio	Lower	Upper
83	100		
85	60.0	52.7	79.1
127	8.9	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 2.368 ug/l

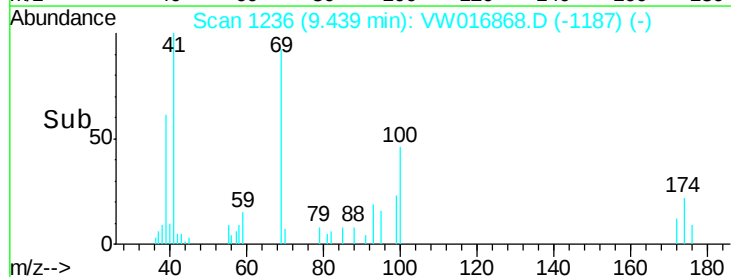
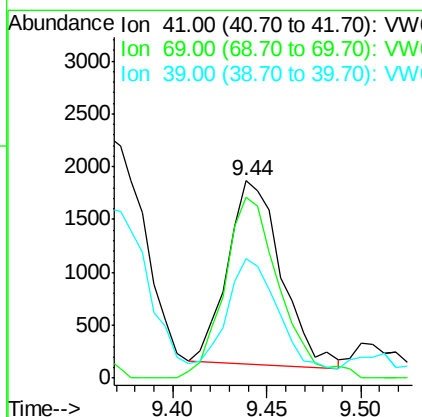
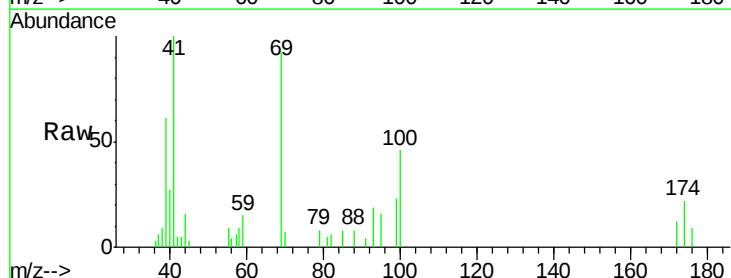
RT: 9.44 min Scan# 1236

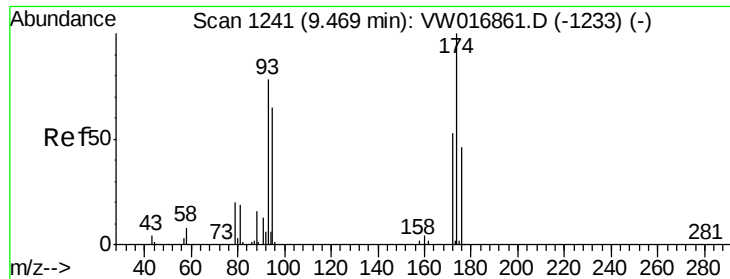
Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Tgt Ion:	41	Resp:	3449
Ion	Ratio	Lower	Upper
41	100		
69	100.9	83.5	125.3
39	57.3	50.9	76.3





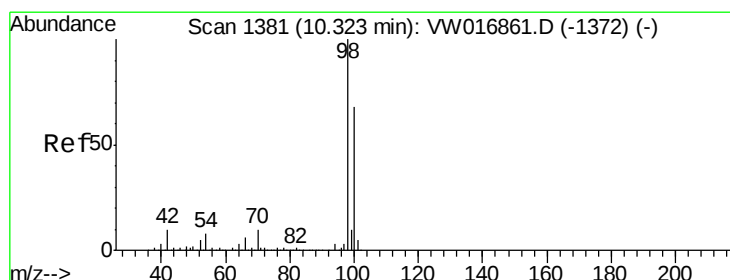
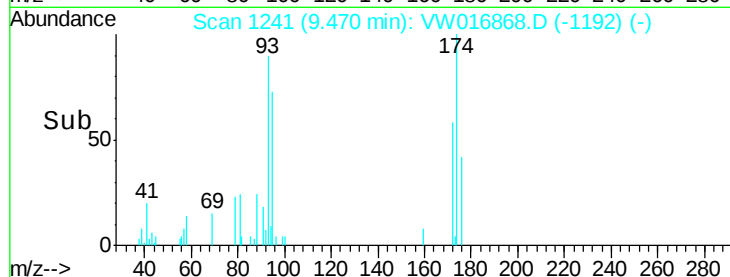
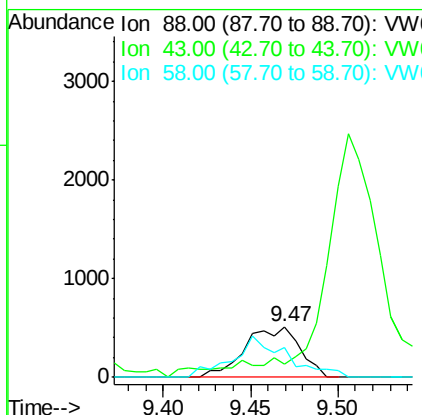
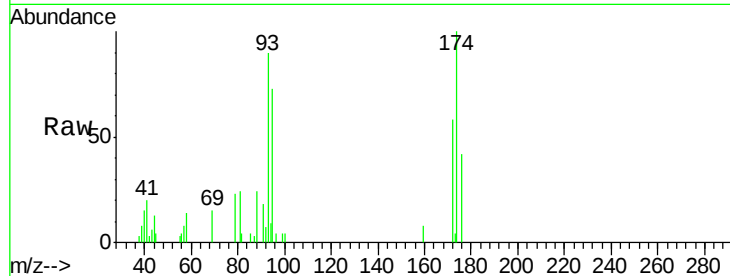
#49
1,4-Dioxane
Concen: 52.772 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	80.5	54.0	81.0

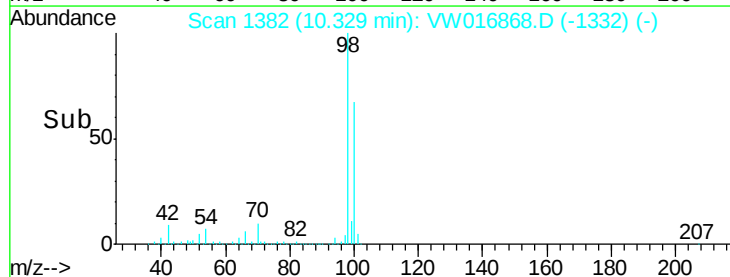
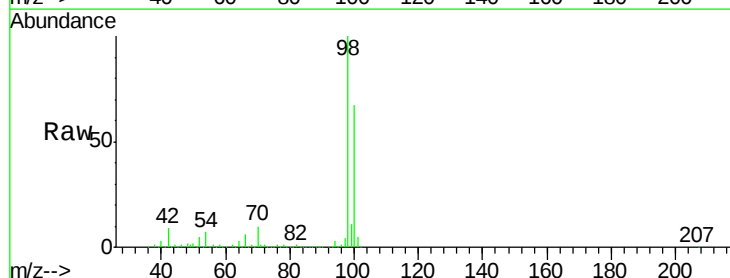
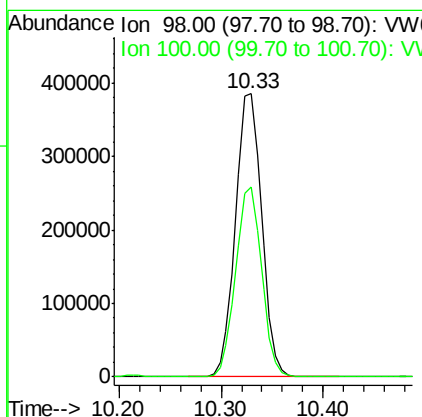
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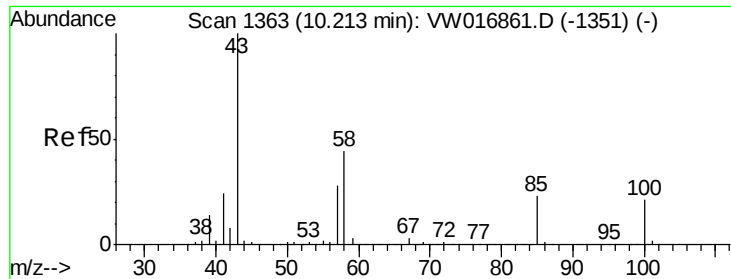
MMDadoda
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#50
Toluene-d8
Concen: 51.042 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 12.397 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 19821

Ion Ratio Lower Upper

43 100

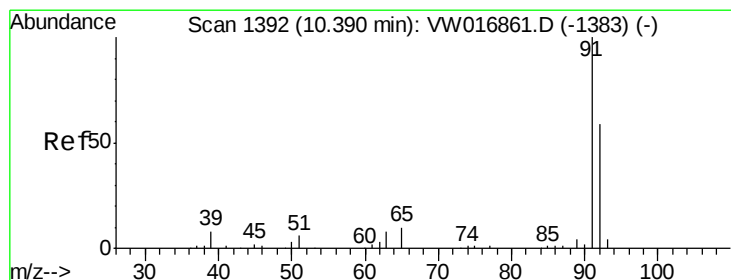
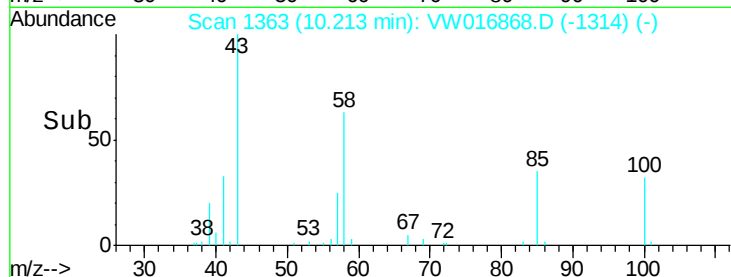
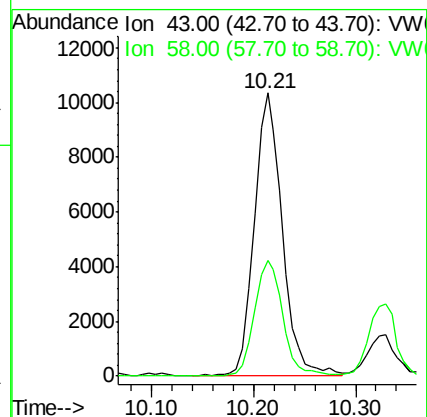
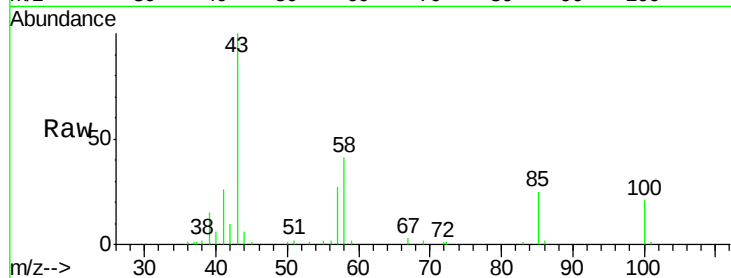
58 41.5 34.7 52.1

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#52

Toluene

Concen: 2.592 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016868.D

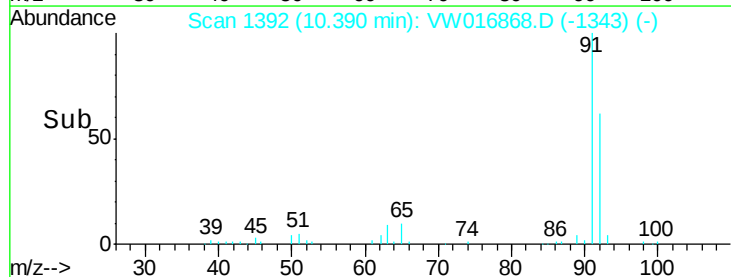
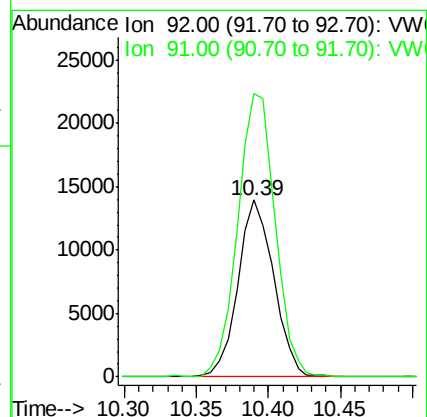
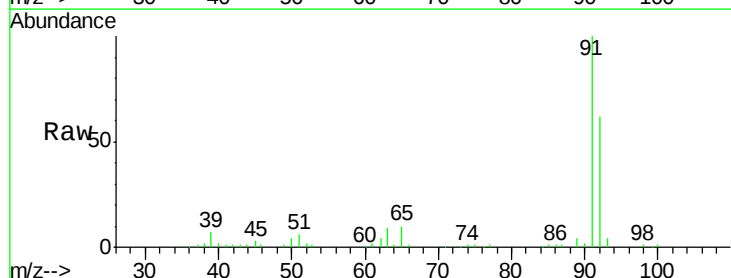
Acq: 09 Oct 2020 18:54

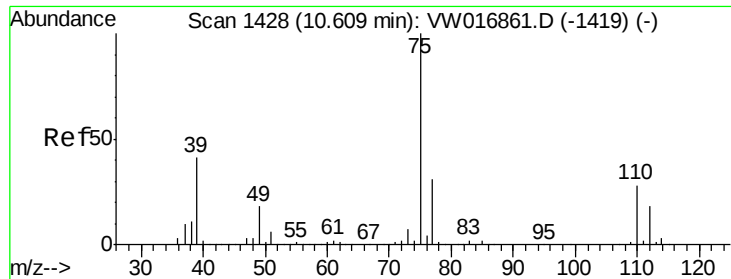
Tgt Ion: 92 Resp: 24105

Ion Ratio Lower Upper

92 100

91 167.6 134.7 202.1





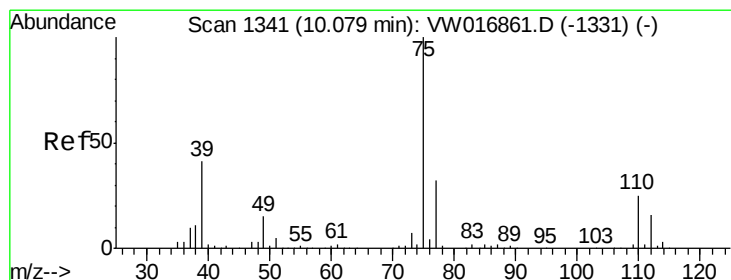
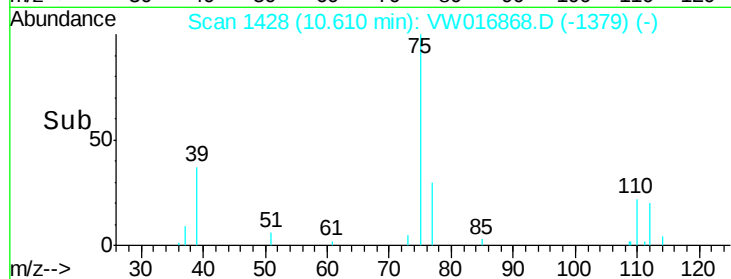
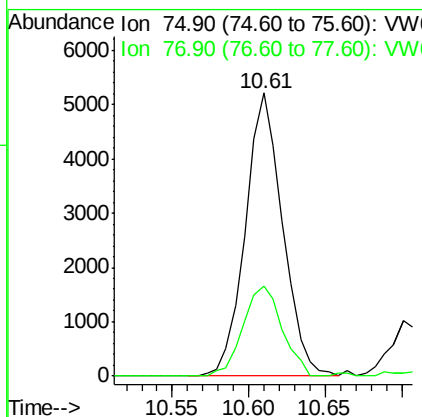
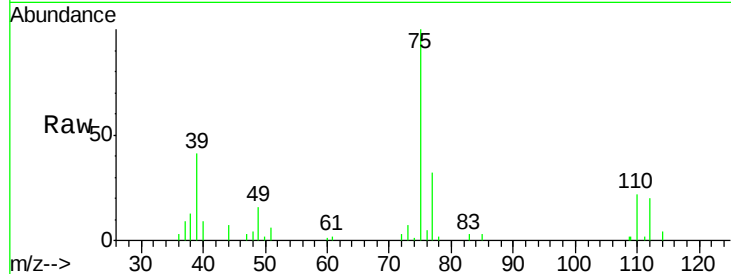
#53
 t-1,3-Dichloropropene
 Concen: 2.120 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

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

Tot Ion: 75 Resp: 8808
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.8 37.2

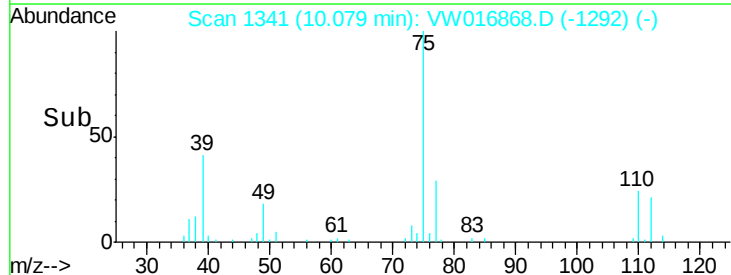
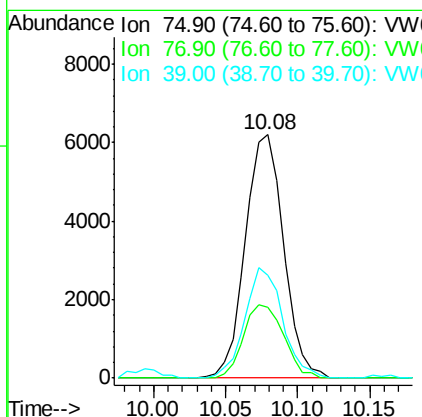
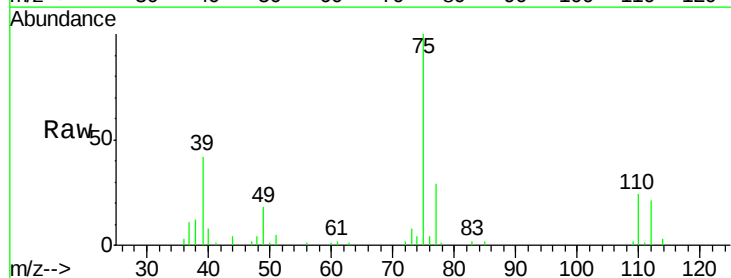
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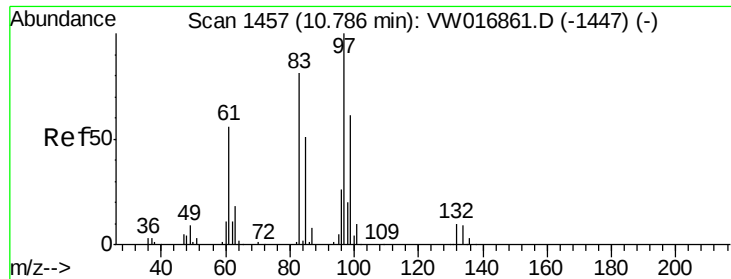
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#54
 cis-1,3-Dichloropropene
 Concen: 2.249 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

Tgt Ion: 75 Resp: 11409
 Ion Ratio Lower Upper
 75 100
 77 29.0 25.8 38.6
 39 42.2 32.9 49.3





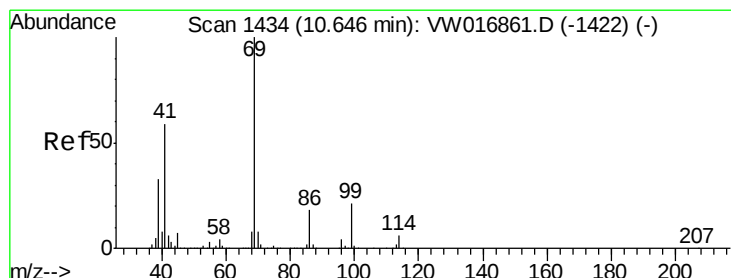
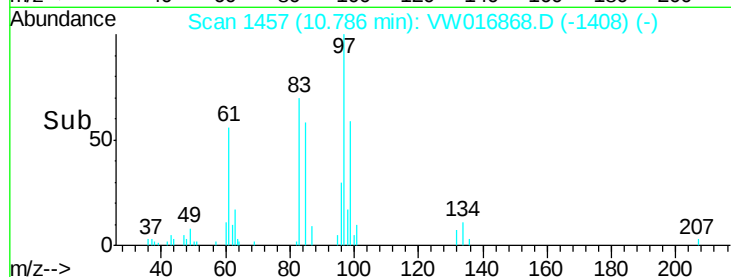
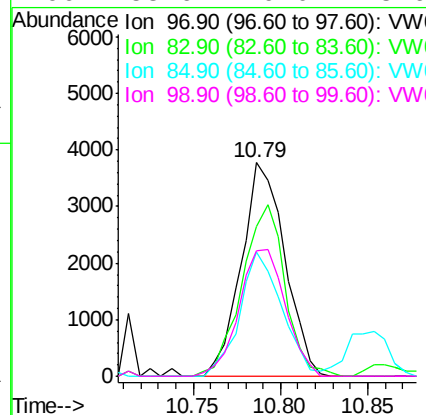
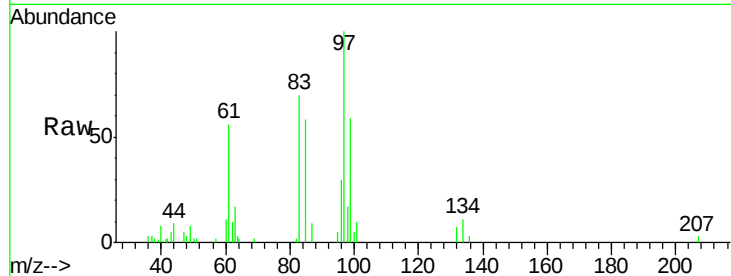
#55
 1,1,2-Trichloroethane
 Concen: 2.501 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

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

Tot Ion:	97	Resp:	6533
Ion	Ratio	Lower	Upper
97	100		
83	69.9	64.6	97.0
85	57.9	40.6	61.0
99	58.6	49.0	73.6

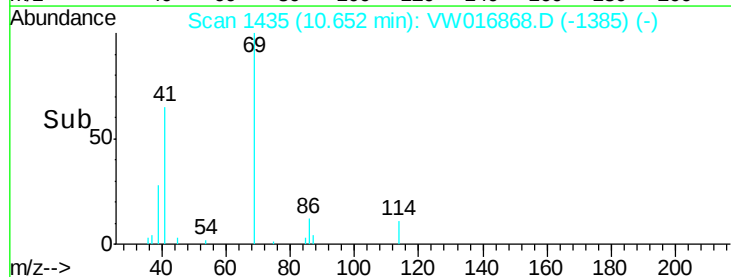
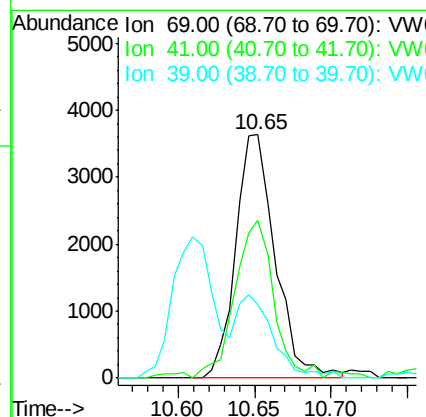
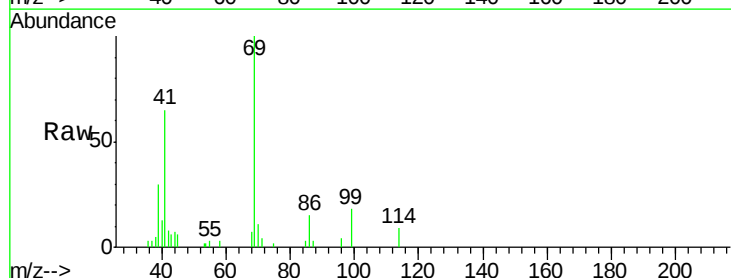
Manual Integrations
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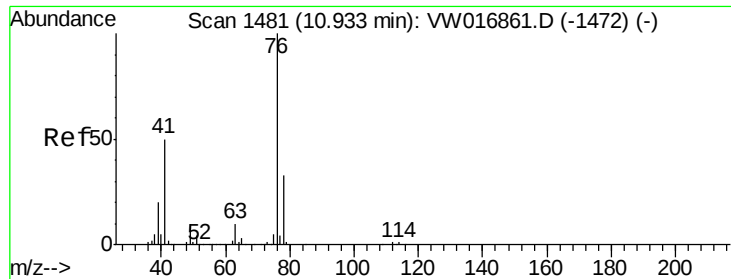
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#56
 Ethyl methacrylate
 Concen: 2.303 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

Tgt Ion:	69	Resp:	6545
Ion	Ratio	Lower	Upper
69	100		
41	64.2	46.3	69.5
39	31.0	25.9	38.9





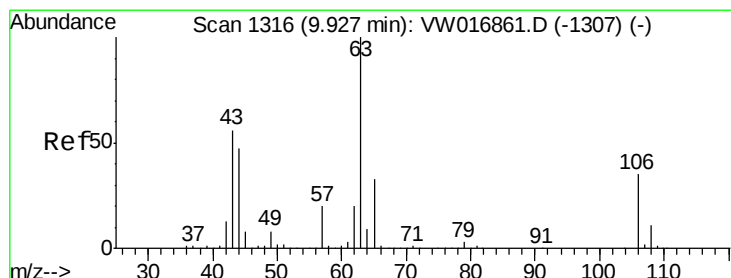
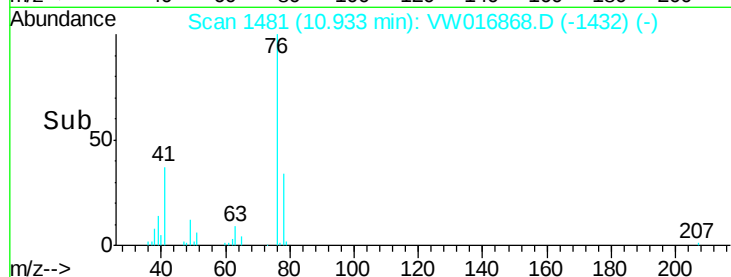
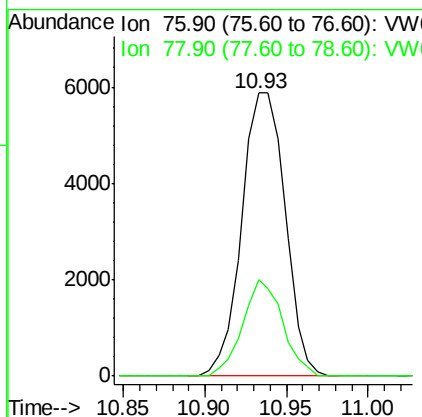
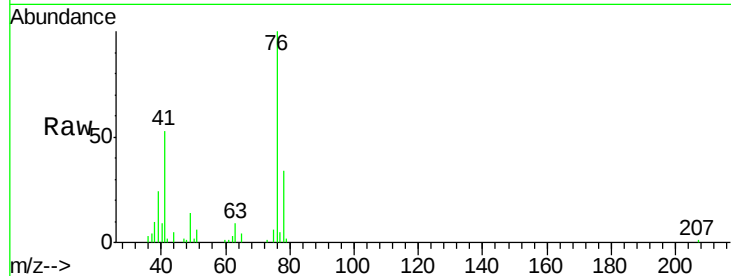
#57
 1,3-Dichloropropane
 Concen: 2.525 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

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

Tot Ion: 76 Resp: 10913
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.0 39.0

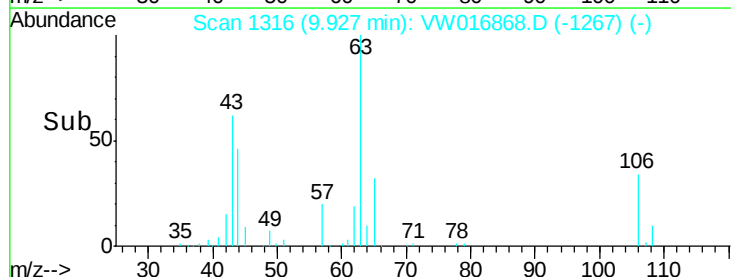
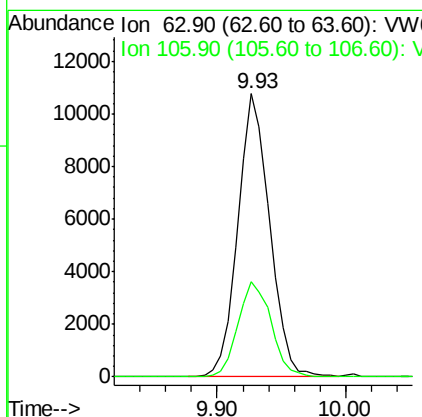
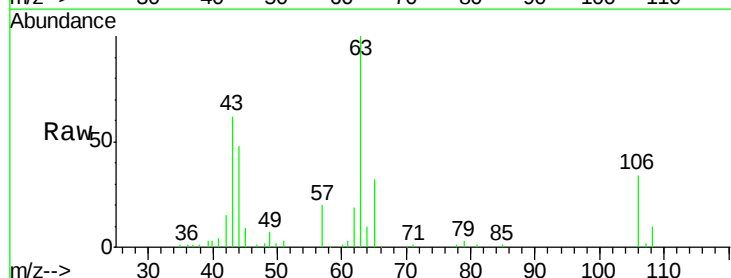
Manual Integrations
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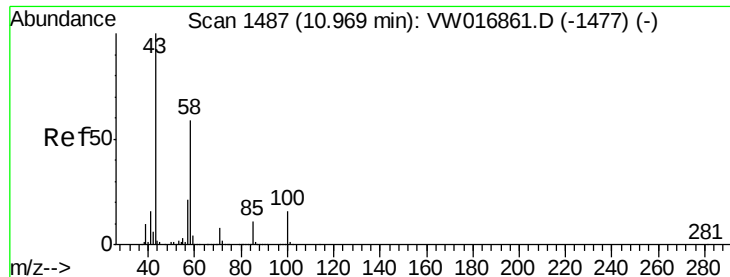
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 10/12/2020 4:20:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 11.690 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

Tgt Ion: 63 Resp: 18409
 Ion Ratio Lower Upper
 63 100
 106 34.8 27.0 40.4





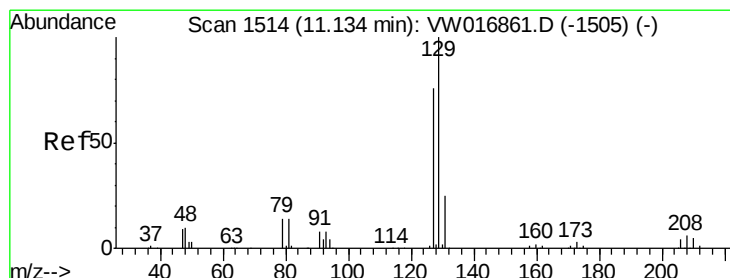
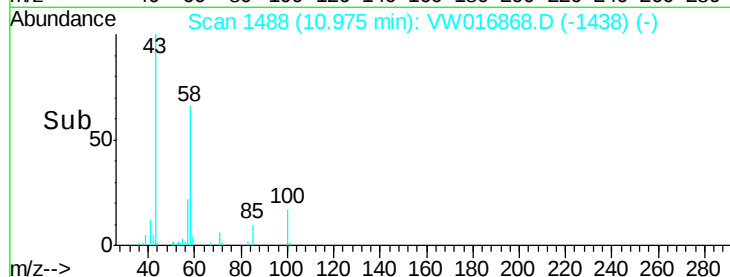
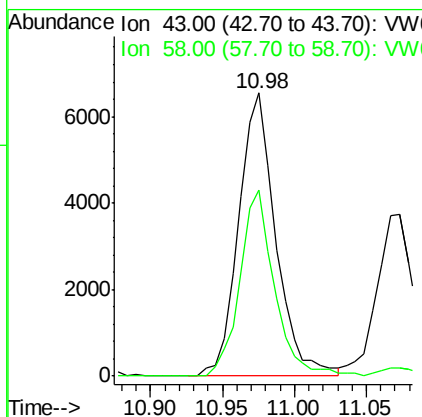
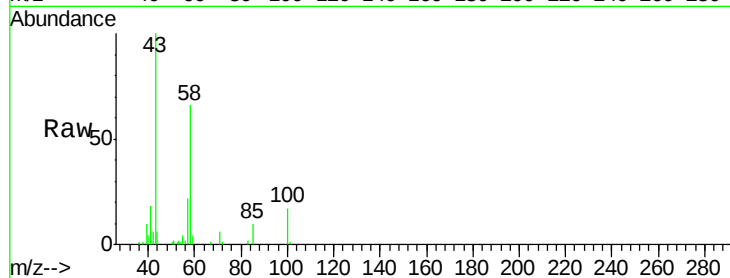
#59
2-Hexanone
Concen: 11.036 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion: 43 Resp: 11675
Ion Ratio Lower Upper
43 100
58 61.5 29.5 88.5

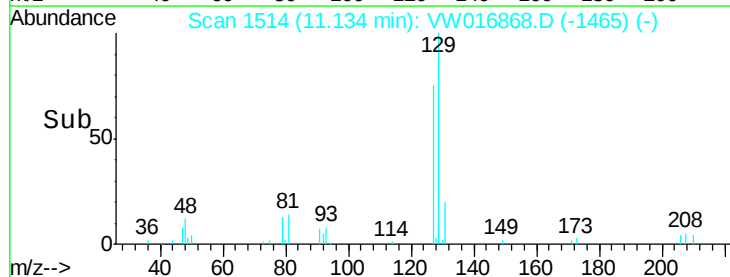
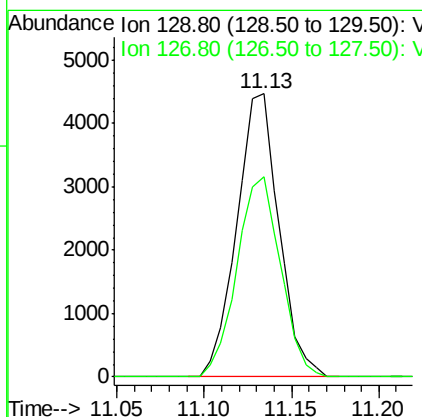
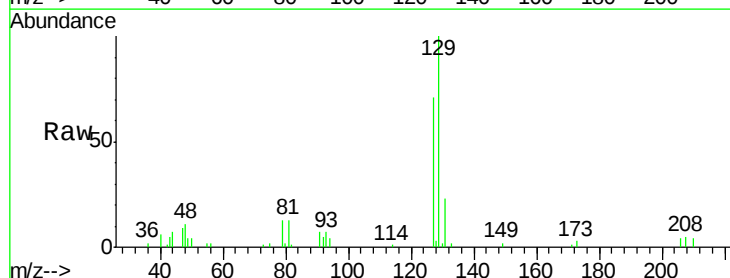
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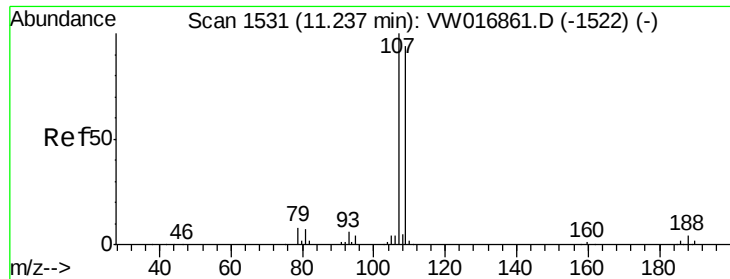
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#60
Dibromochloromethane
Concen: 2.348 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion: 129 Resp: 7523
Ion Ratio Lower Upper
129 100
127 73.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 2.428 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 107 Resp: 6281

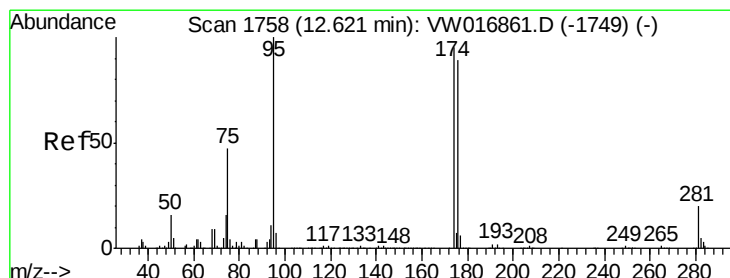
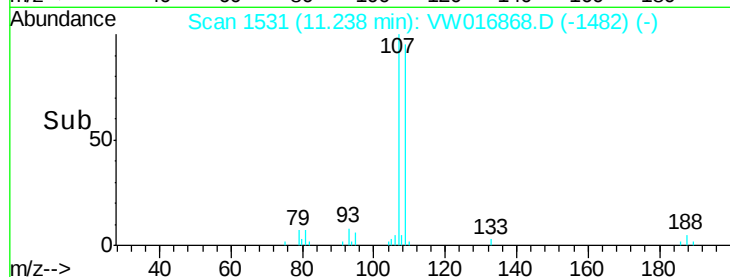
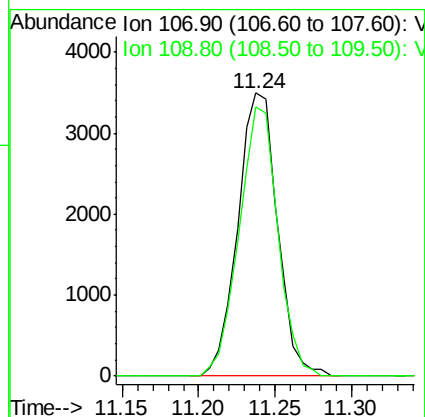
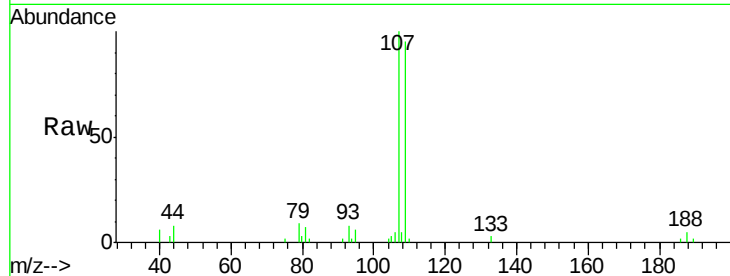
Ion Ratio Lower Upper

107 100

109 93.1 74.7 112.1

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#62

4-Bromofluorobenzene

Concen: 51.288 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

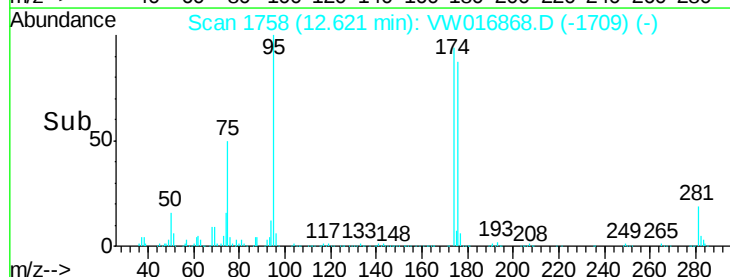
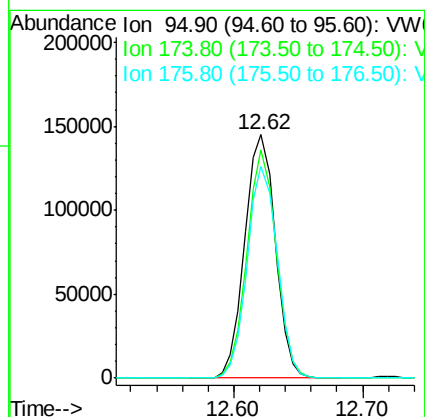
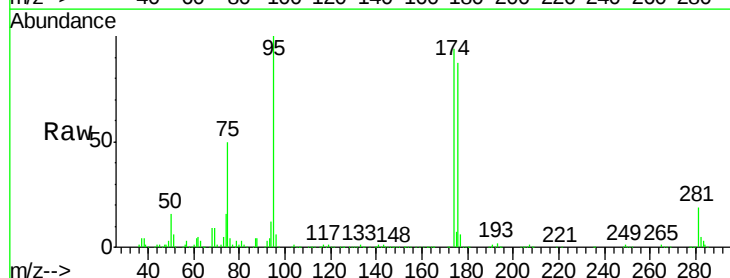
Tgt Ion: 95 Resp: 237415

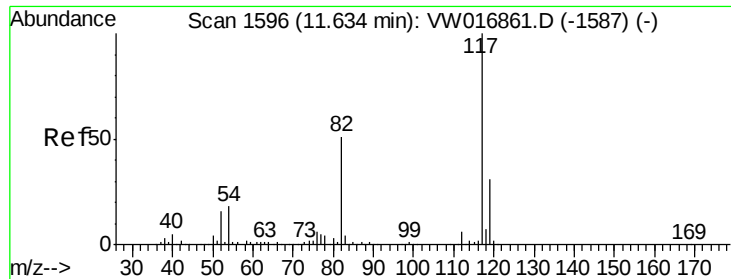
Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.6

176 85.4 0.0 177.6





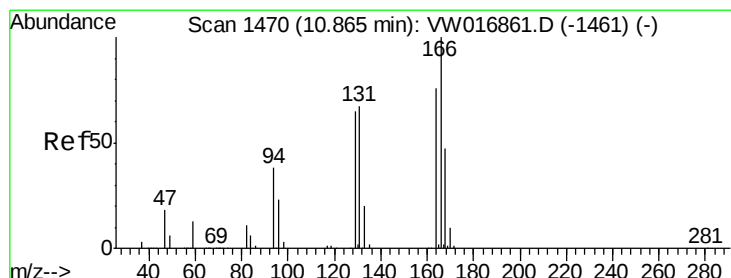
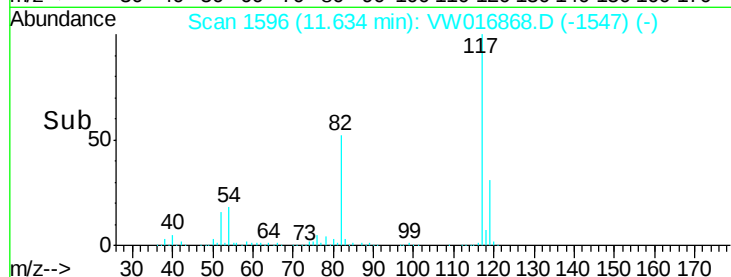
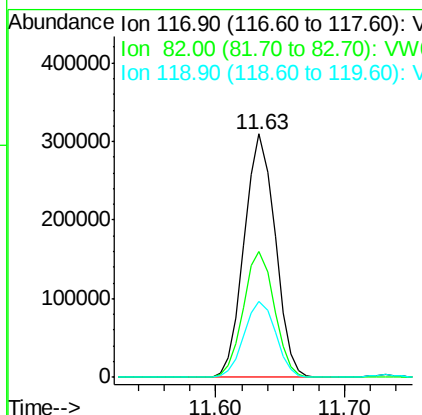
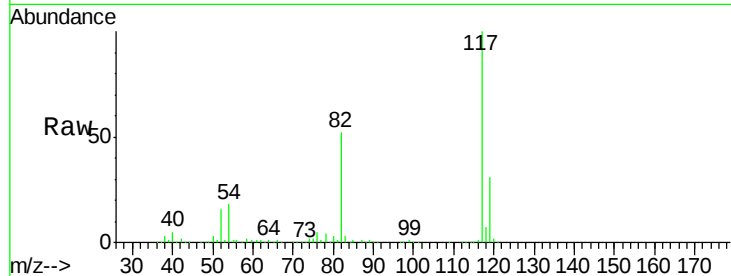
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	40.7	61.1
119	31.1	25.0	37.4

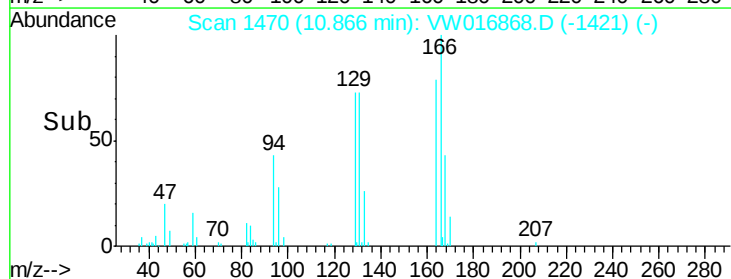
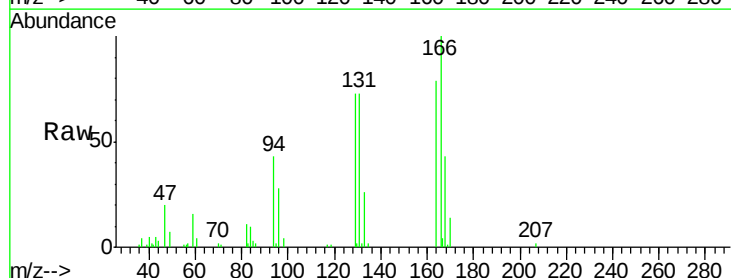
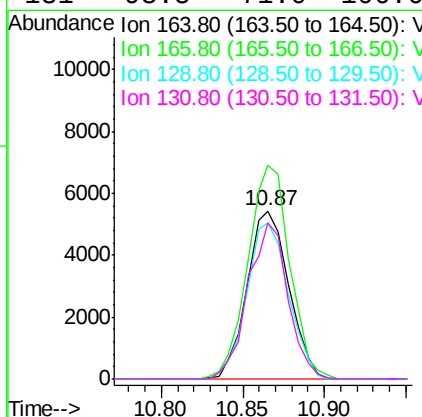
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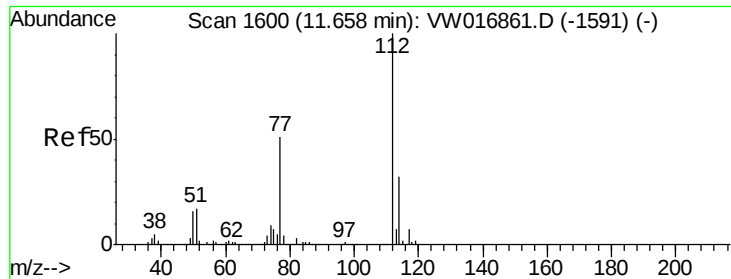
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#64
Tetrachloroethene
Concen: 2.627 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	105.3	157.9
129	92.9	68.8	103.2
131	93.5	71.0	106.6





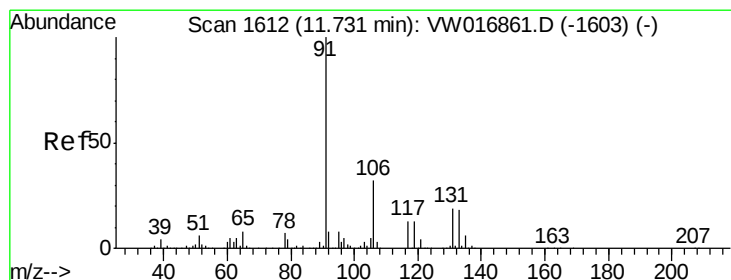
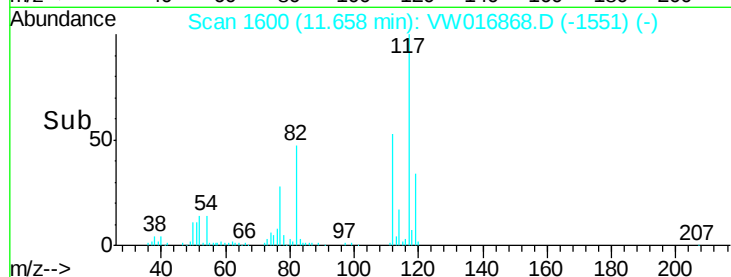
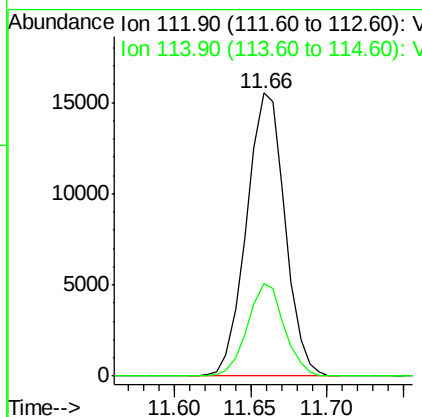
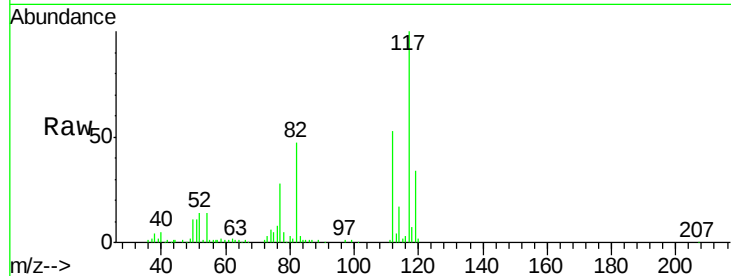
#65
Chlorobenzene
Concen: 2.681 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion:112 Resp: 27127
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

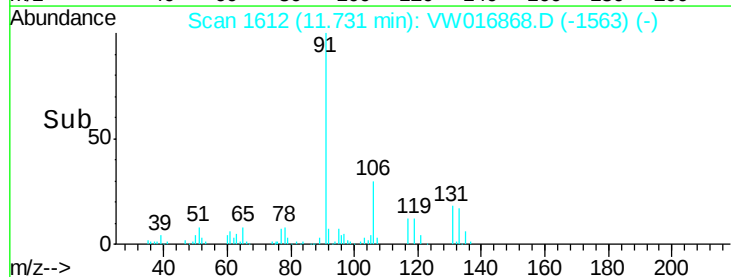
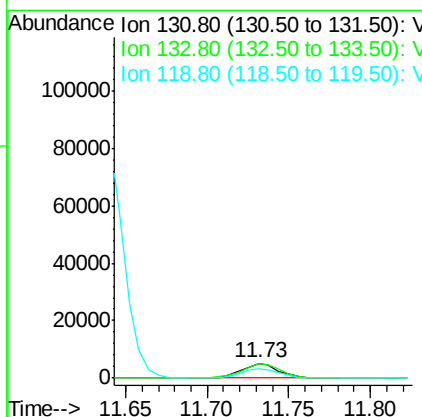
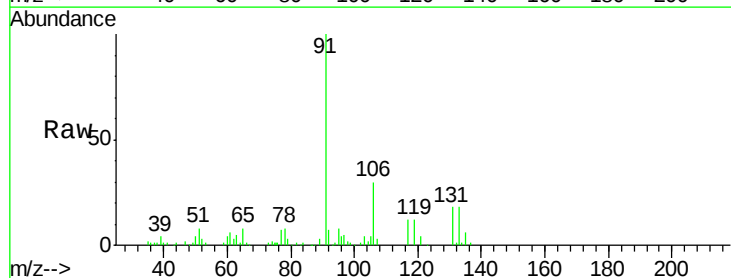
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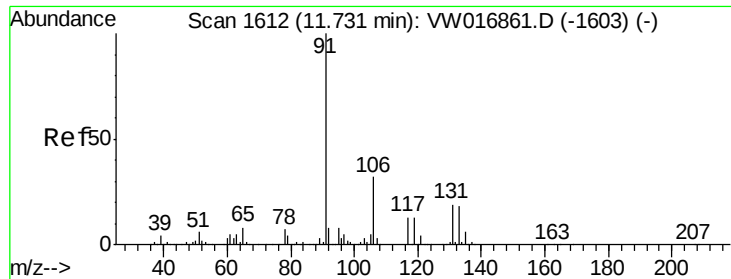
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#66
1,1,1,2-Tetrachloroethane
Concen: 2.302 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion:131 Resp: 8235
Ion Ratio Lower Upper
131 100
133 101.0 48.1 144.3
119 67.8 32.5 97.4





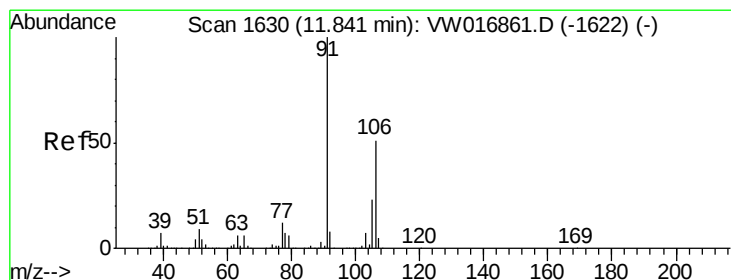
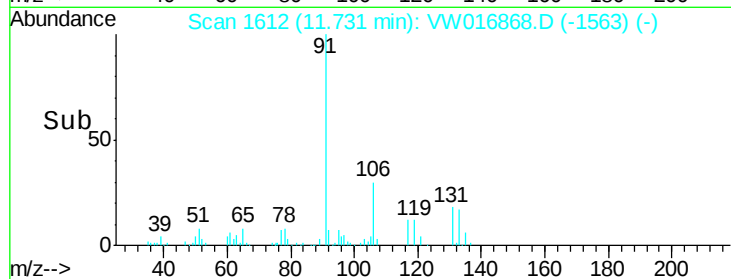
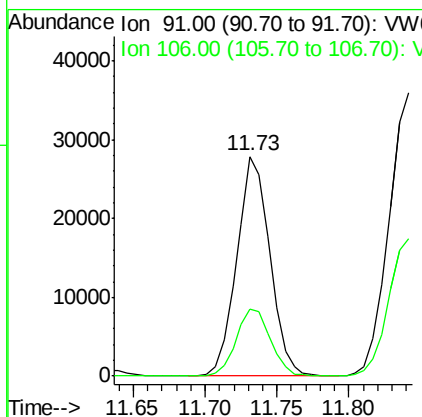
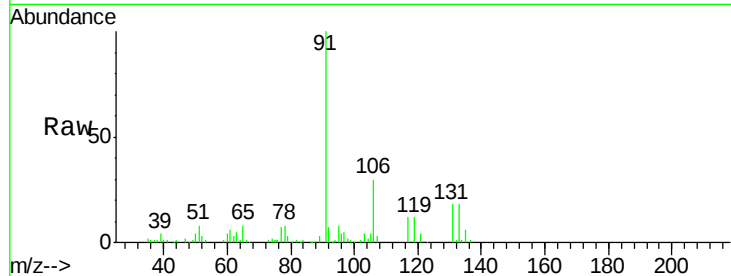
#67
Ethyl Benzene
Concen: 2.520 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion: 91 Resp: 44419
Ion Ratio Lower Upper
91 100
106 30.3 25.9 38.9

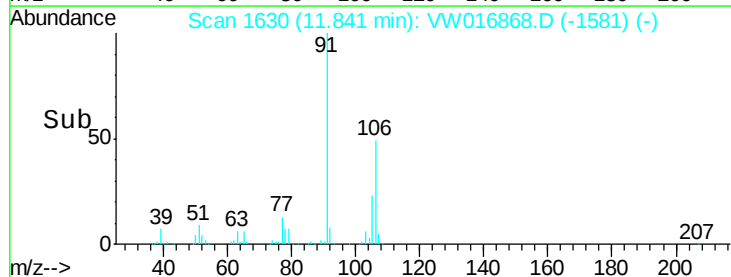
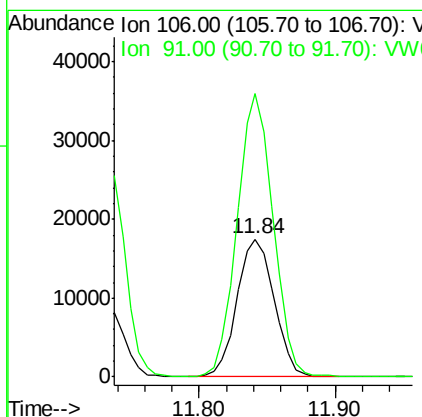
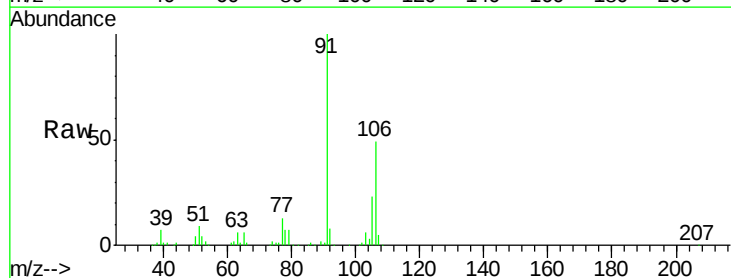
Manual Integrations
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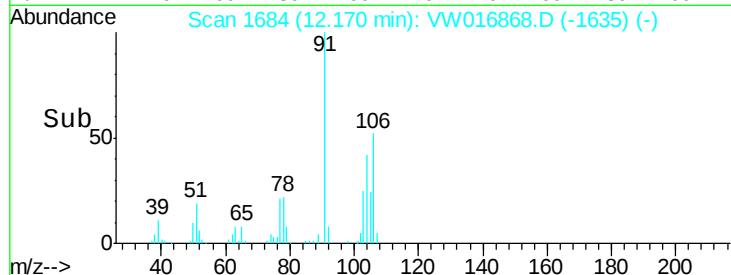
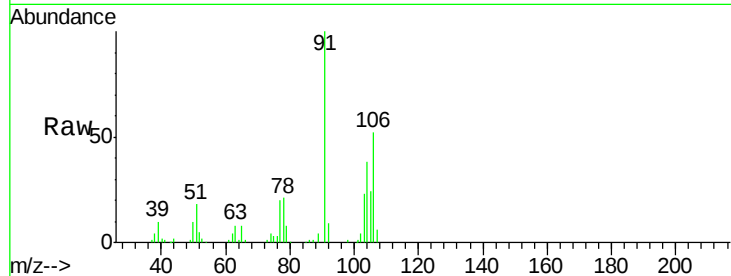
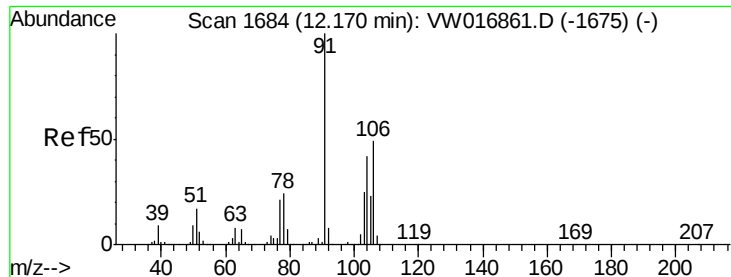
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#68
m/p-Xylenes
Concen: 4.867 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion: 106 Resp: 33372
Ion Ratio Lower Upper
106 100
91 199.4 157.4 236.0





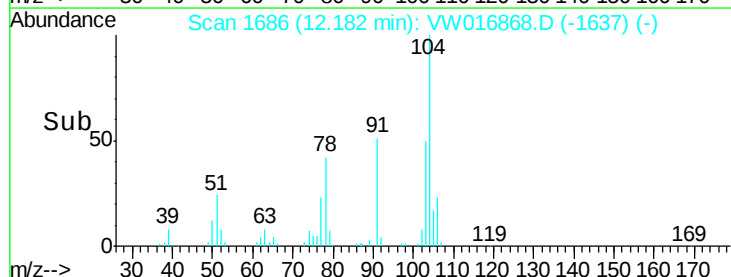
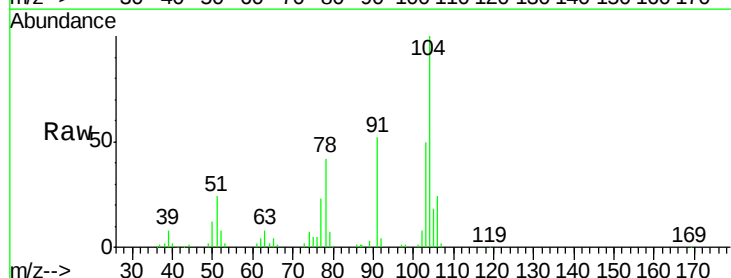
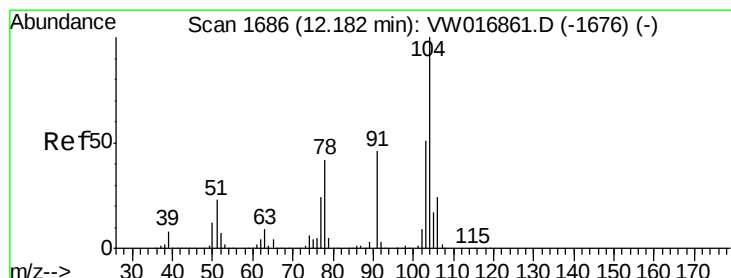
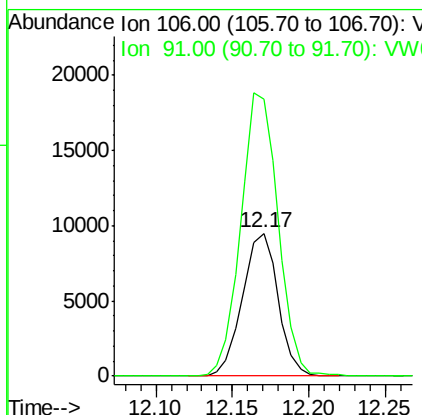
#69
o-Xylene
Concen: 2.443 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tot Ion: 106 Resp: 15368
Ion Ratio Lower Upper
106 100
91 206.9 103.6 310.9

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

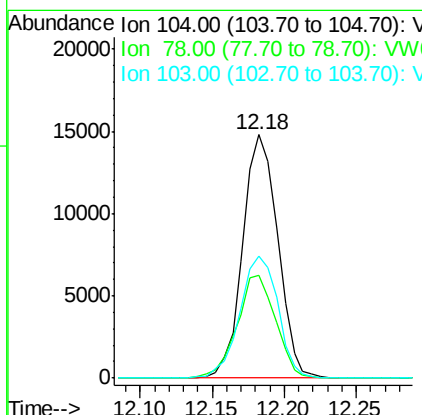
Manual Integrations
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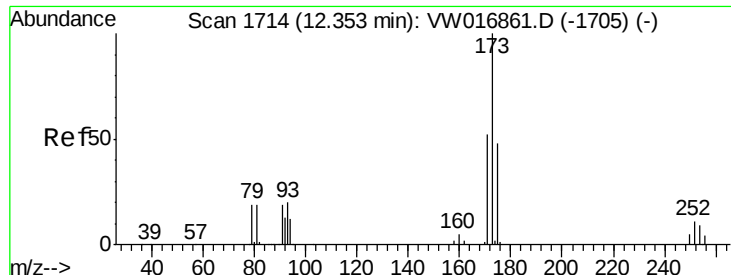
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#70
Styrene
Concen: 2.377 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion: 104 Resp: 24892
Ion Ratio Lower Upper
104 100
78 46.8 37.6 56.4
103 54.6 43.6 65.4





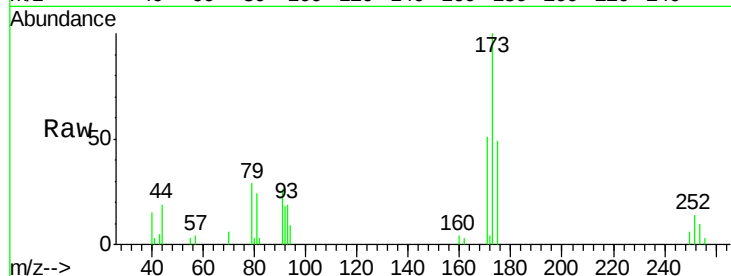
#71
Bromoform
Concen: 2.132 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

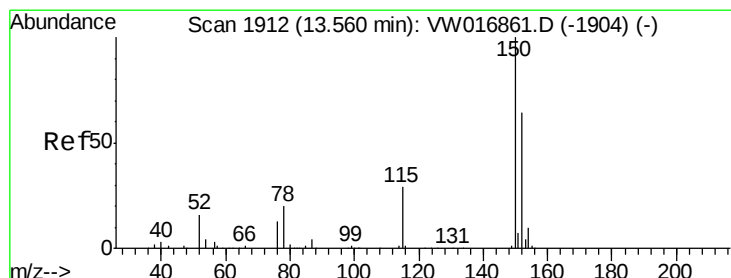
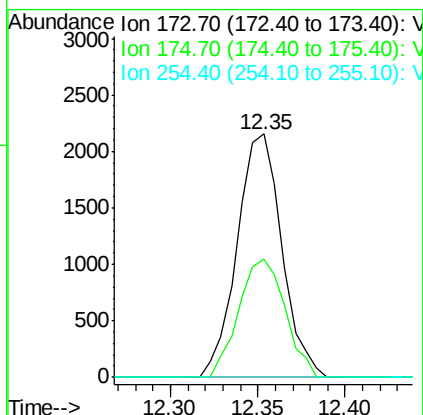
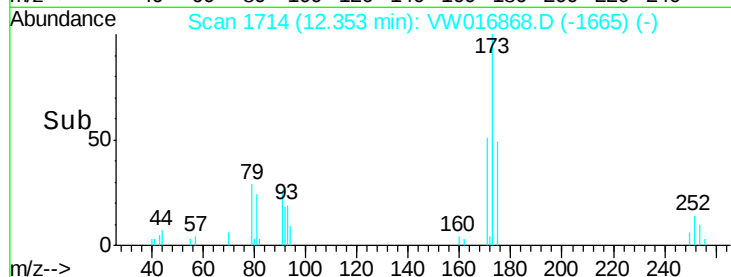
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.7	74.1
254	0.0	0.1	0.1#

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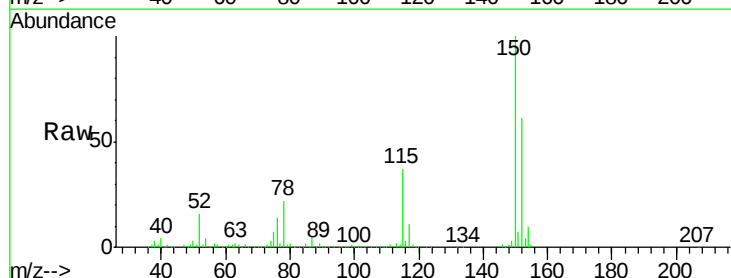


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

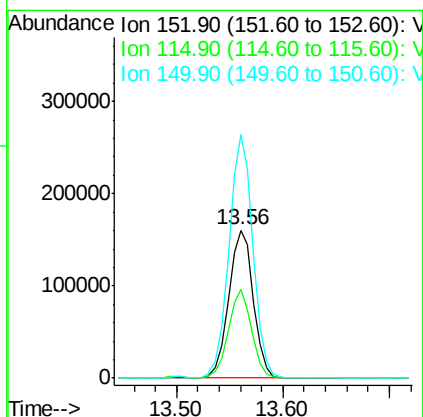
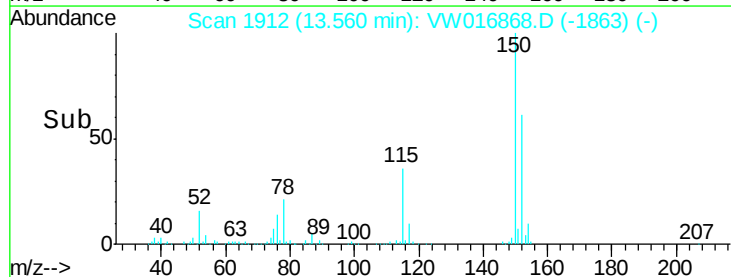


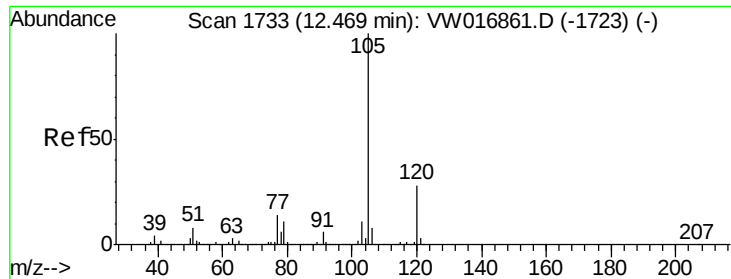
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.9	83.7
150	159.9	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: 2.484 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 105 Resp: 42545

Ion Ratio Lower Upper

105 100

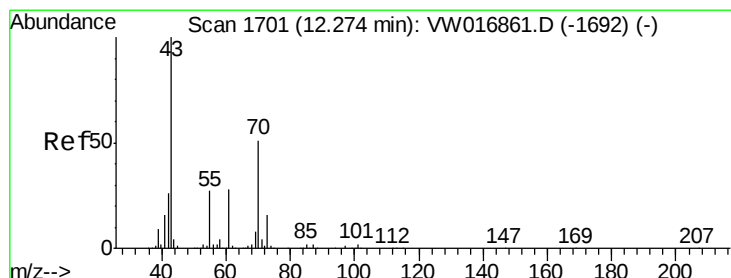
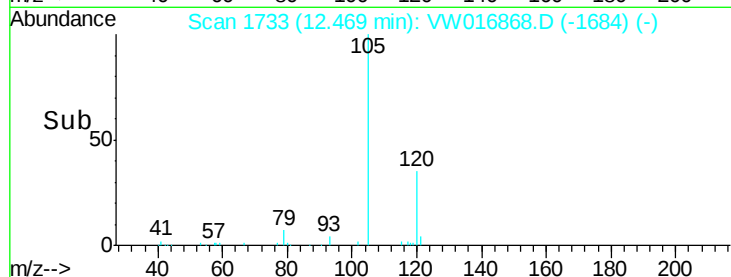
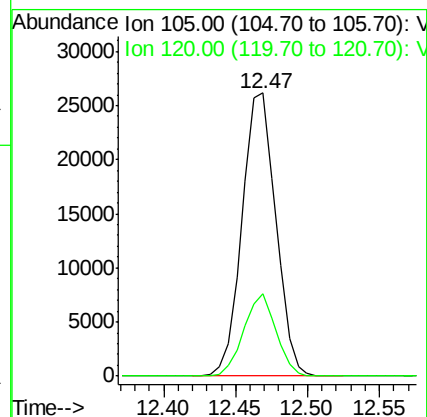
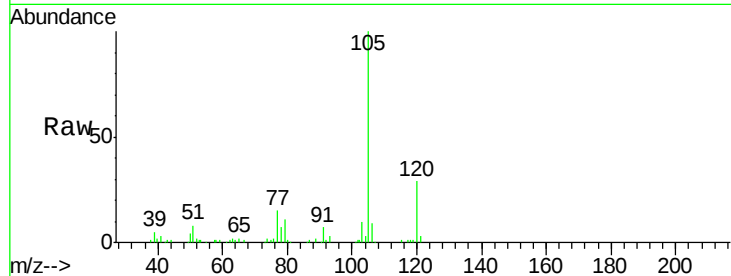
120 27.8 13.6 40.7

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#74

N-ethyl acetate

Concen: 2.202 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Tgt Ion: 43 Resp: 6058

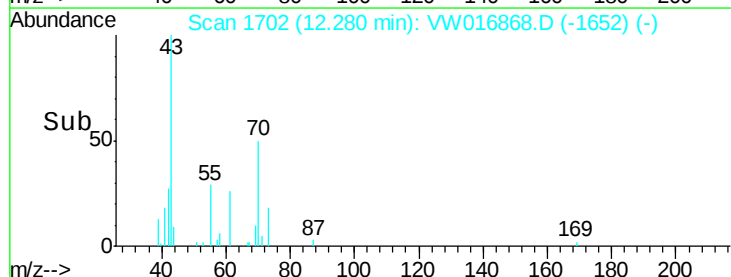
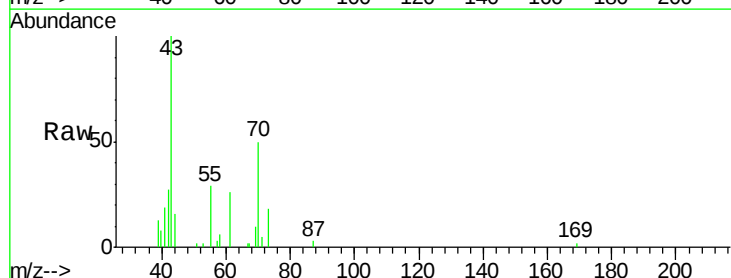
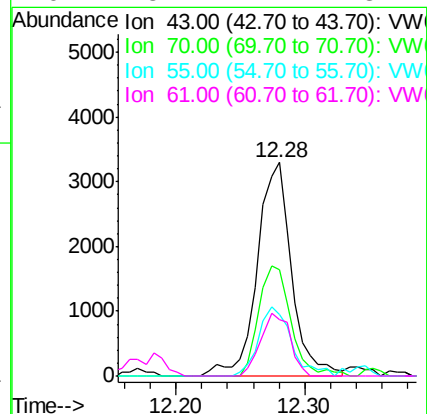
Ion Ratio Lower Upper

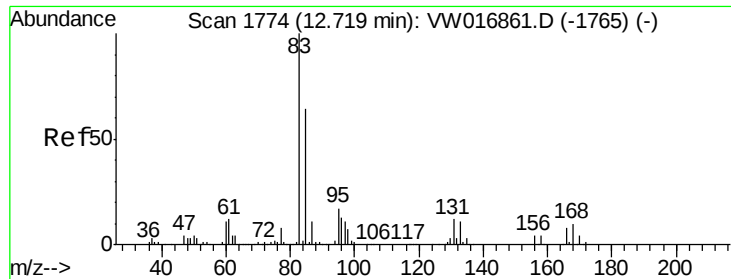
43 100

70 48.2 40.2 60.4

55 30.9 21.4 32.0

61 25.1 21.4 32.2





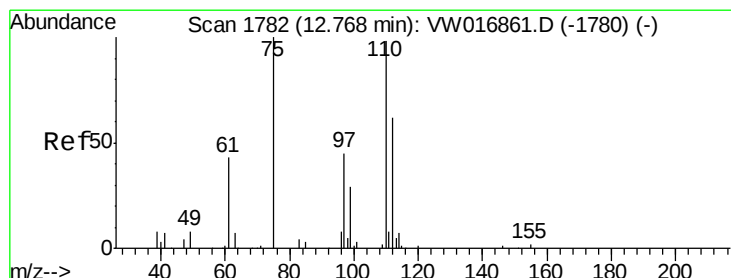
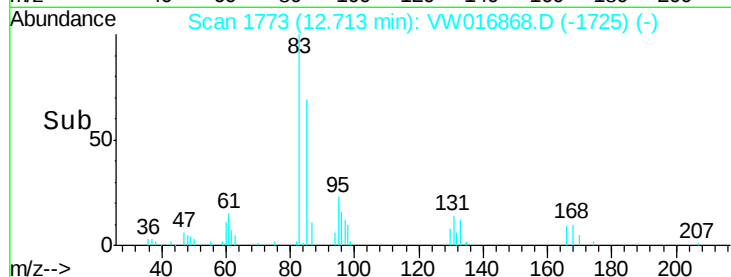
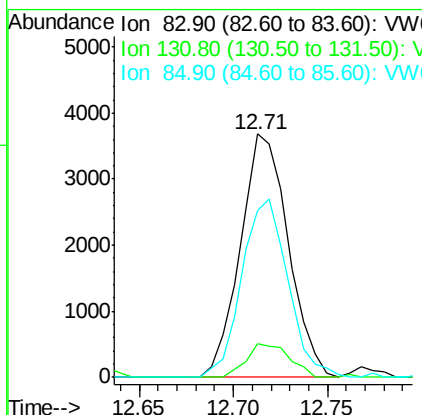
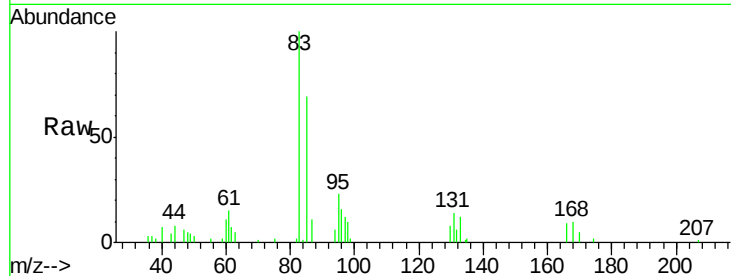
#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.416 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
83	100		
131	12.3	6.1	18.3
85	70.6	32.7	98.1

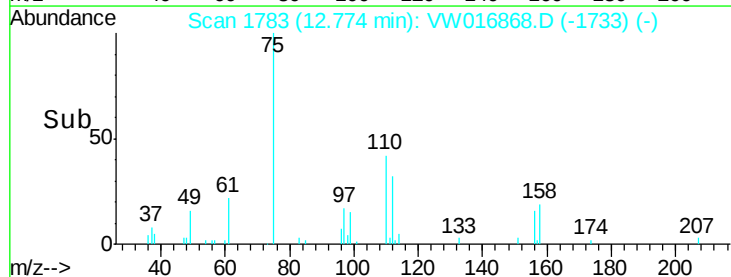
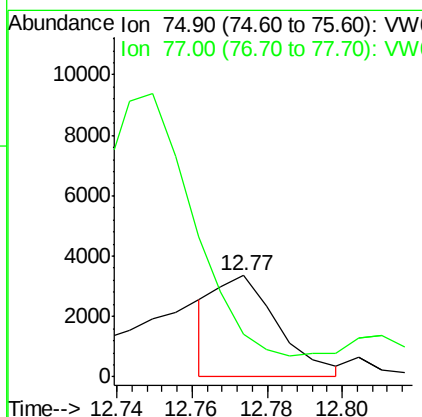
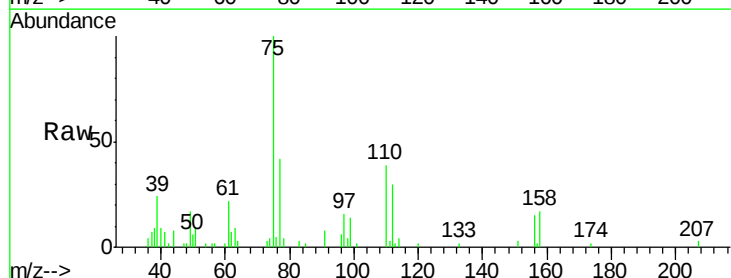
Manual Integrations
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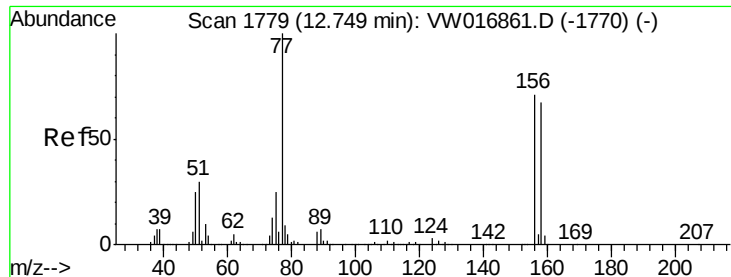
MMDadoda
 10/12/2020 4:20:52 PM



#76
 1,2,3-Trichloropropane
 Concen: 2.041 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	178.8	536.3#





#77

Bromobenzene

Concen: 2.685 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:156 Resp: 11370

Ion Ratio Lower Upper

156 100

77 154.4 79.0 237.2

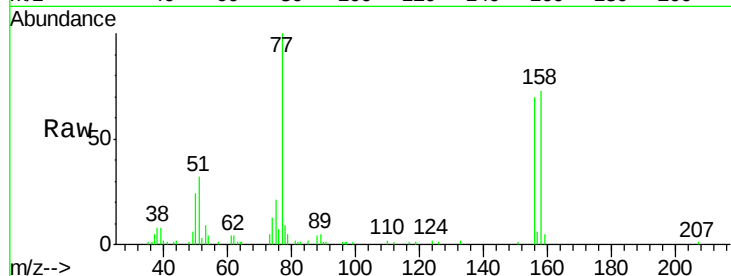
158 98.6 47.0 141.2

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

12000

10000

8000

6000

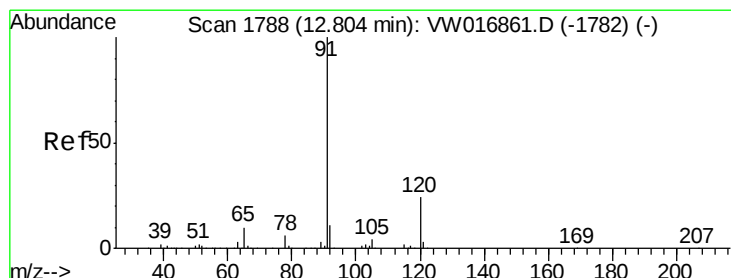
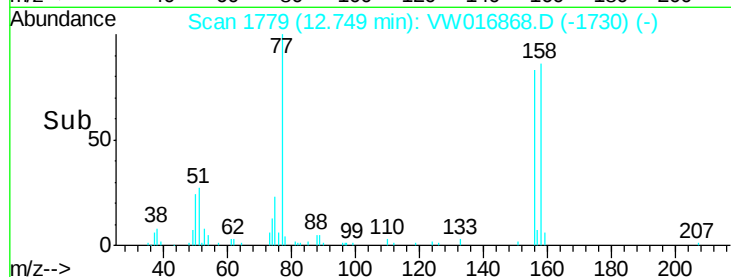
4000

2000

0

12.70 12.75 12.80

Time-->



#78

n-propylbenzene

Concen: 2.562 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016868.D

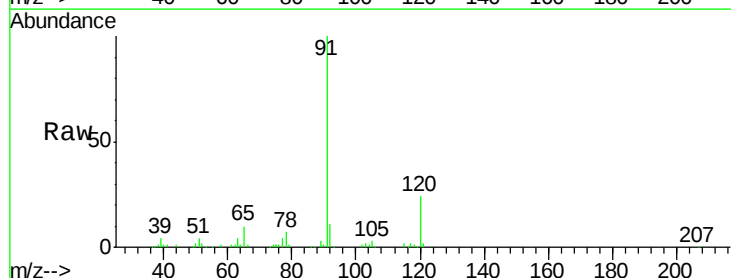
Acq: 09 Oct 2020 18:54

Tgt Ion: 91 Resp: 50607

Ion Ratio Lower Upper

91 100

120 24.5 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

30000

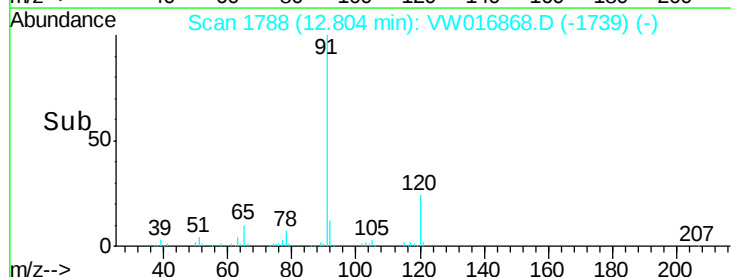
20000

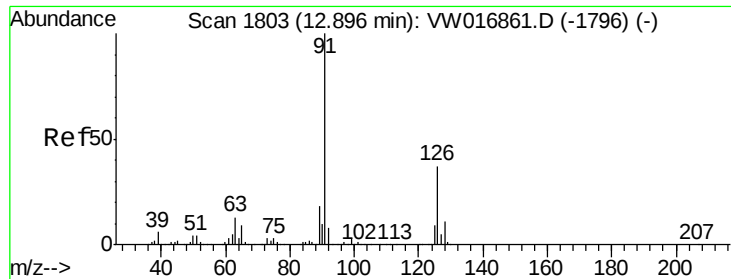
10000

0

12.75 12.80 12.85

Time-->





#79

2-Chlorotoluene

Concen: 2.676 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 91 Resp: 30152

Ion Ratio Lower Upper

91 100

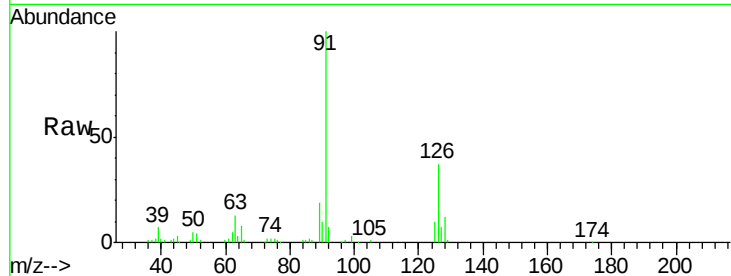
126 34.0 17.9 53.8

Manual Integrations

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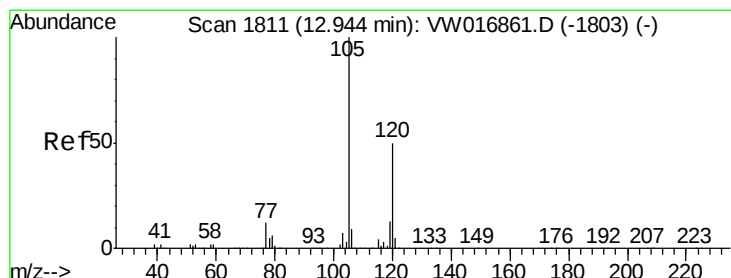
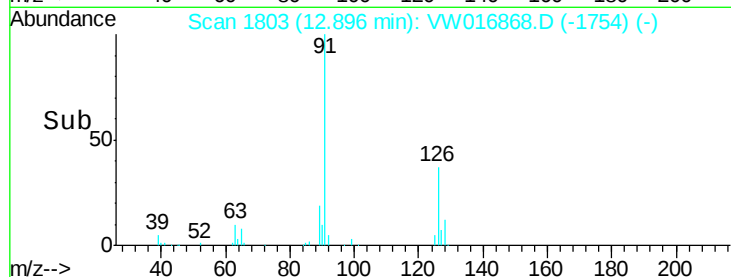
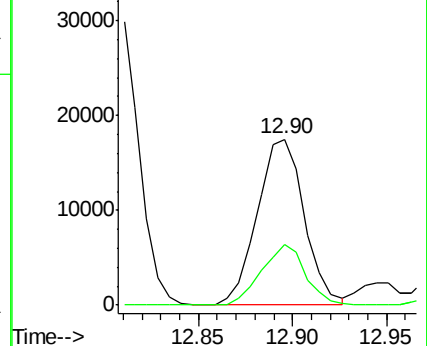
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 2.500 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016868.D

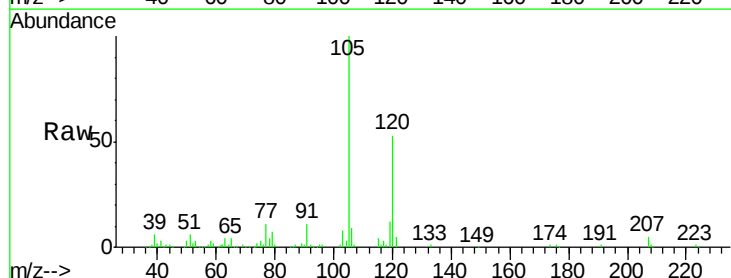
Acq: 09 Oct 2020 18:54

Tgt Ion: 105 Resp: 35885

Ion Ratio Lower Upper

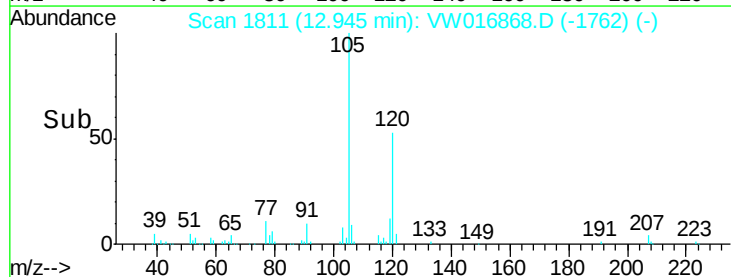
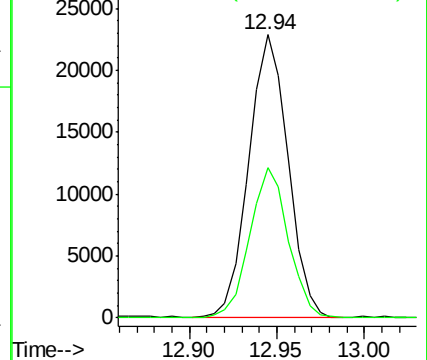
105 100

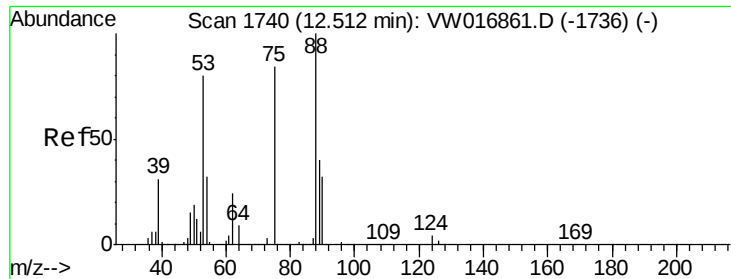
120 52.0 24.9 74.8



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: 1.932 ug/l m

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

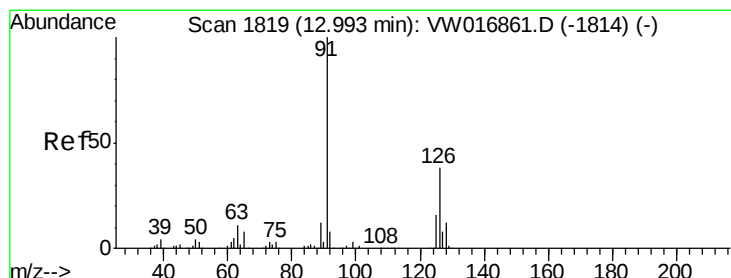
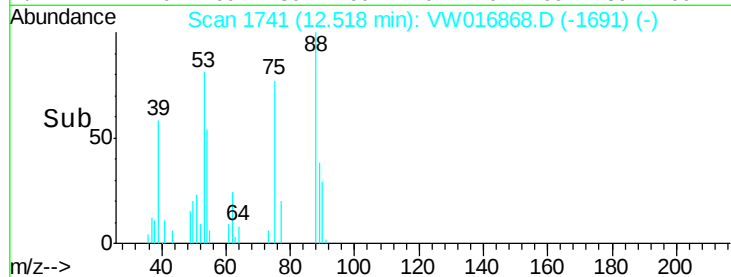
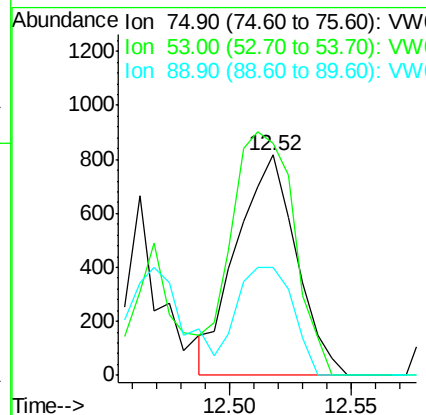
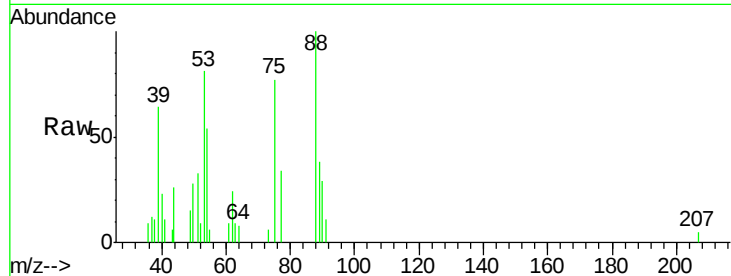
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.0	115.4#
89	16.6	38.7	58.1#

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#82

4-Chlorotoluene

Concen: 2.637 ug/l

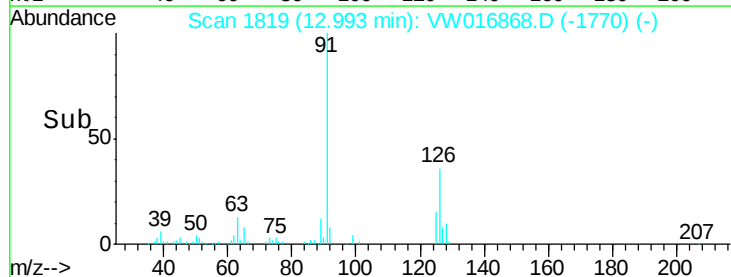
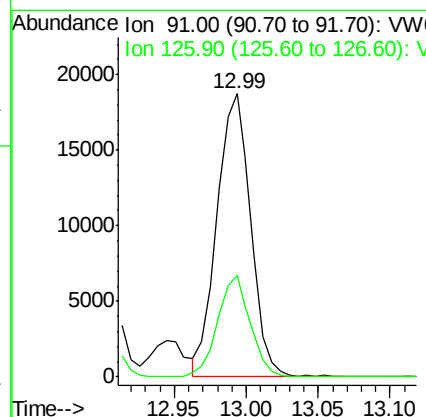
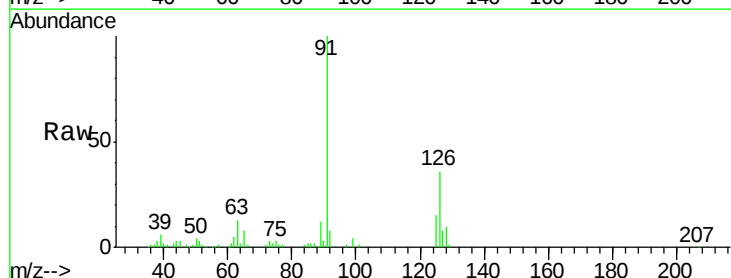
RT: 12.99 min Scan# 1819

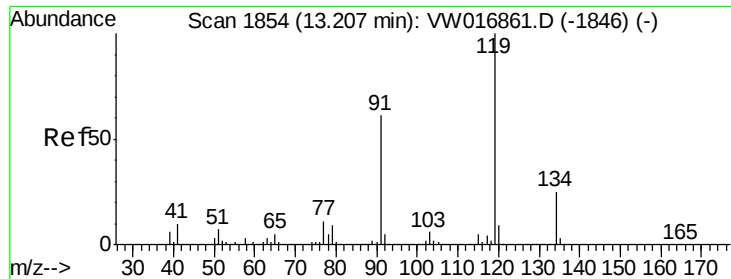
Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	18.1	54.3





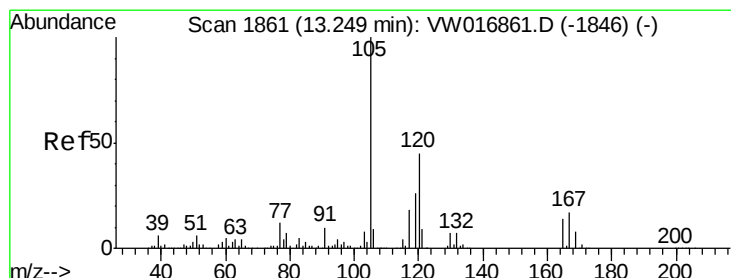
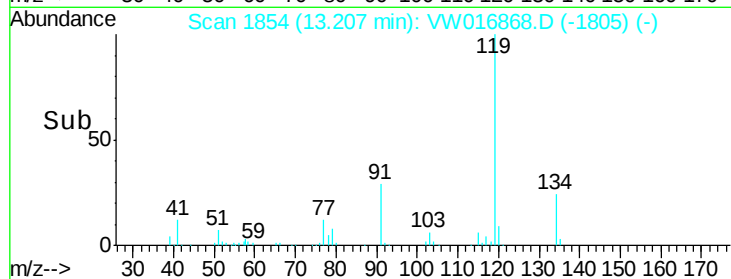
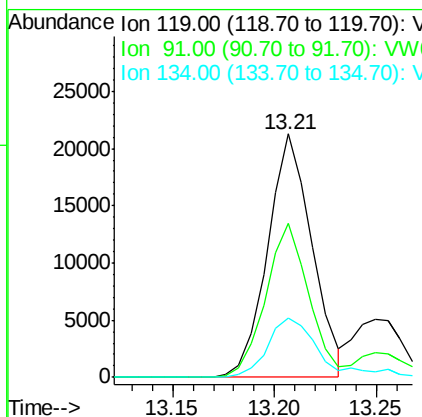
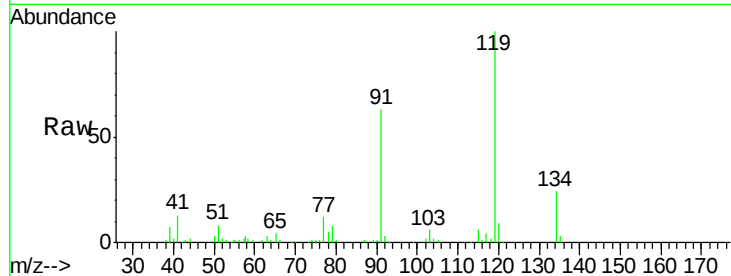
#83
tert-Butylbenzene
Concen: 2.580 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	31.3	93.9
134	28.6	14.0	42.0

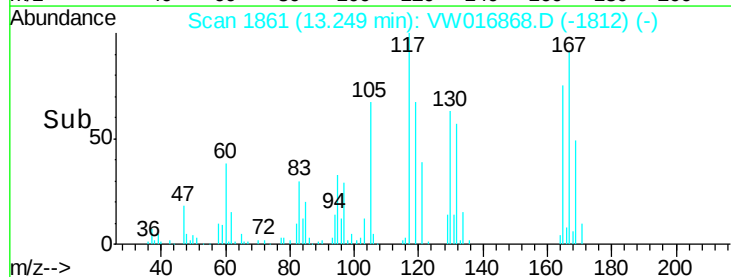
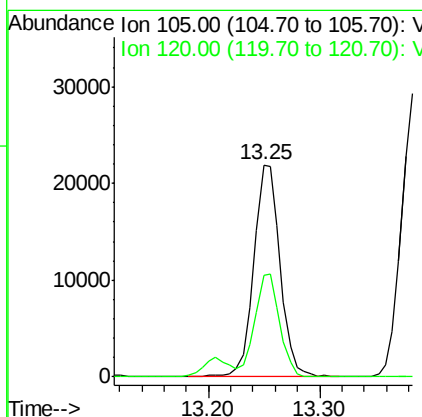
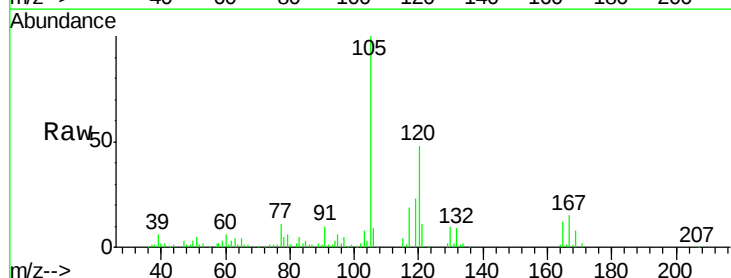
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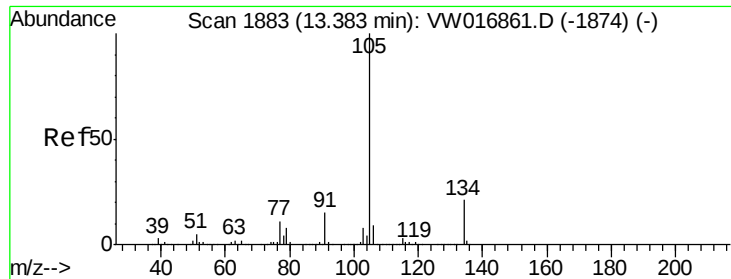
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 2.527 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.4	70.0





#85

sec-Butylbenzene

Concen: 2.548 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Tot Ion:105 Resp: 44218

Ion Ratio Lower Upper

105 100

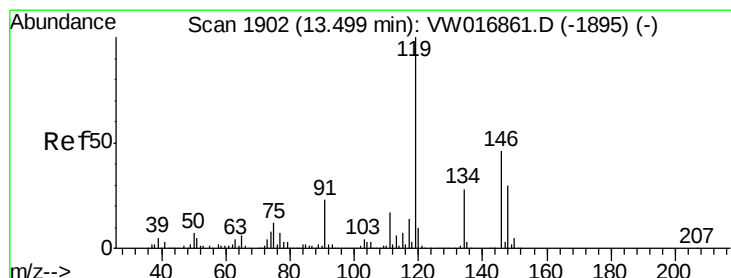
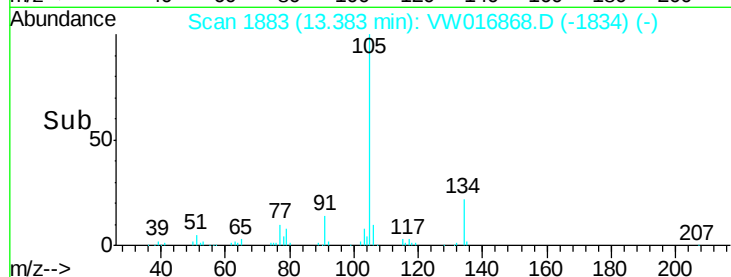
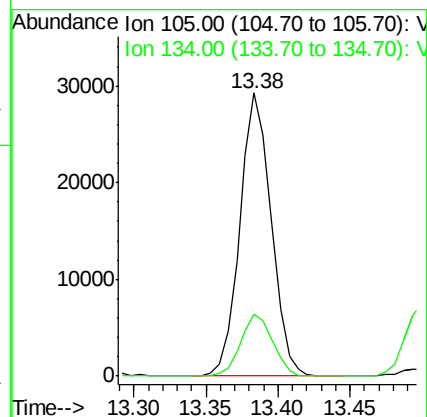
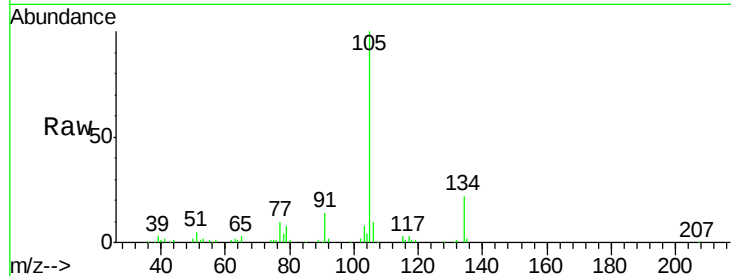
134 22.2 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 2.456 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

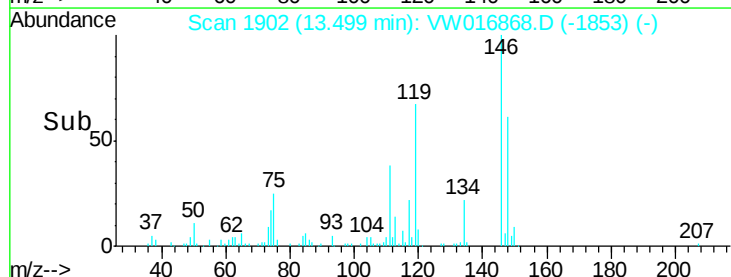
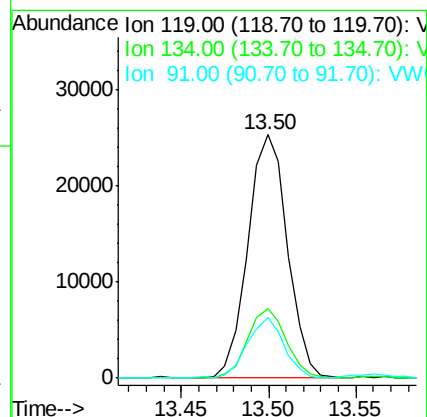
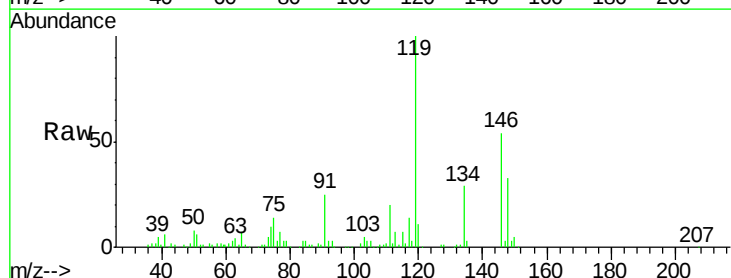
Tgt Ion:119 Resp: 39690

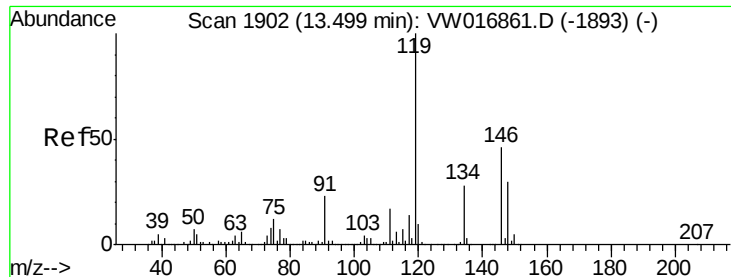
Ion Ratio Lower Upper

119 100

134 27.9 13.8 41.3

91 23.2 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 2.731 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

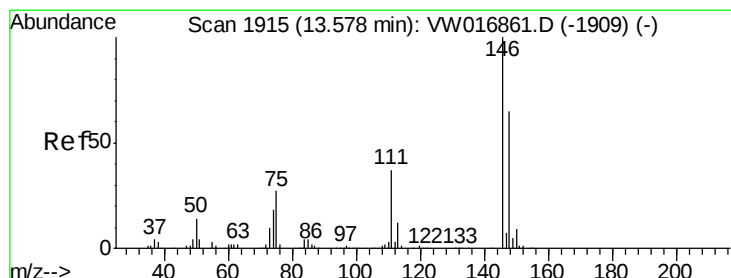
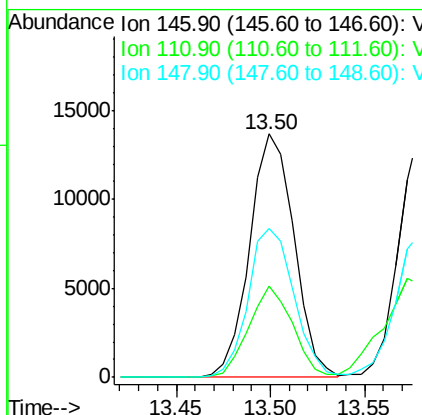
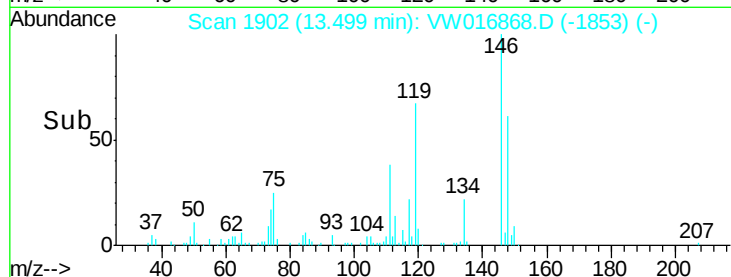
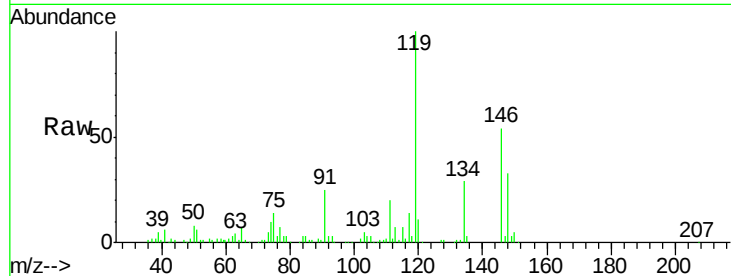
Instrument :
MSVOA_W

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.5
148	63.0	32.5	97.4

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#88

1,4-Dichlorobenzene

Concen: 2.762 ug/l

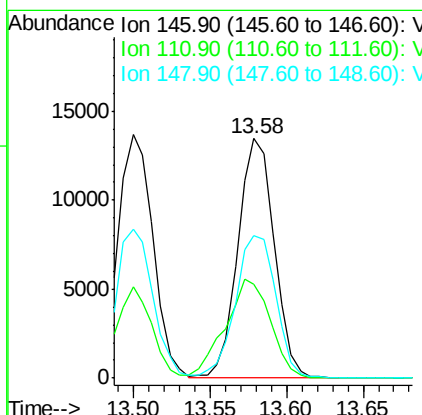
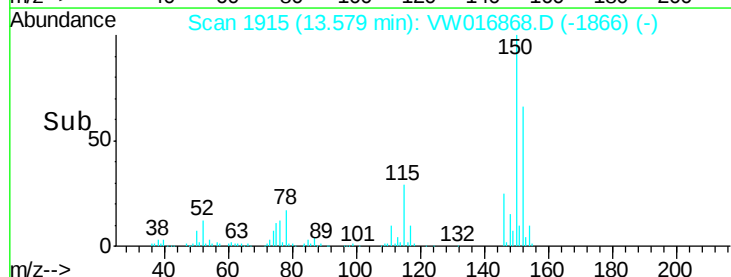
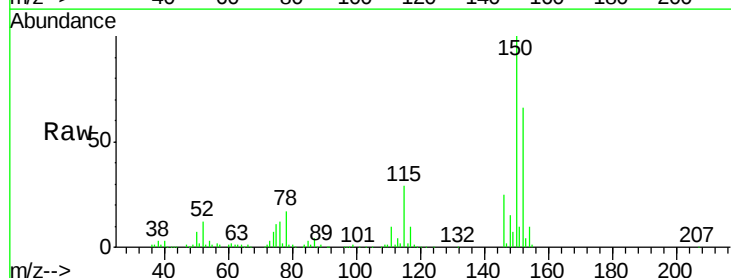
RT: 13.58 min Scan# 1915

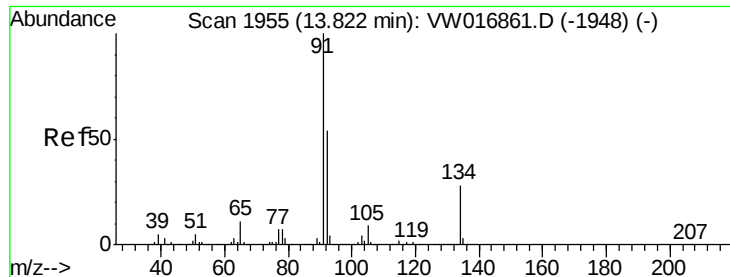
Delta R.T. 0.00 min

Lab File: VW016868.D

Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.2	18.5	55.5
148	66.4	31.8	95.4





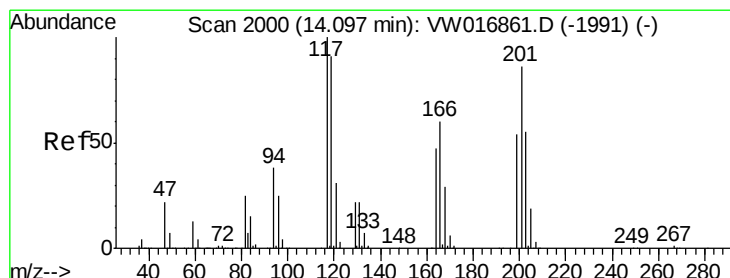
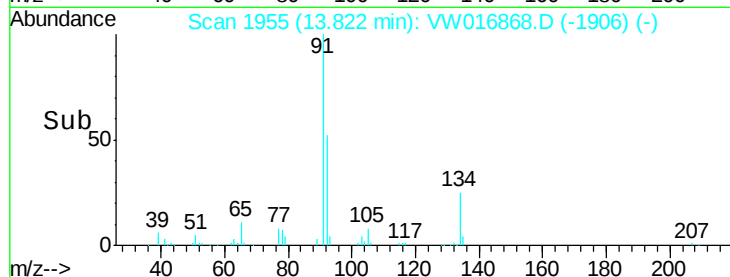
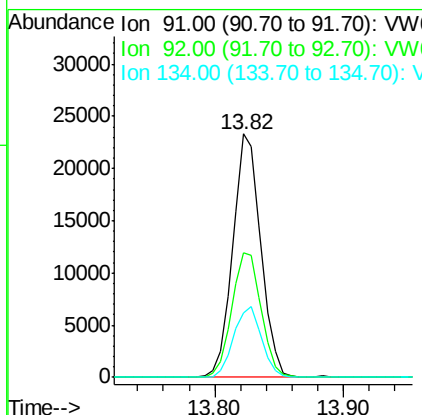
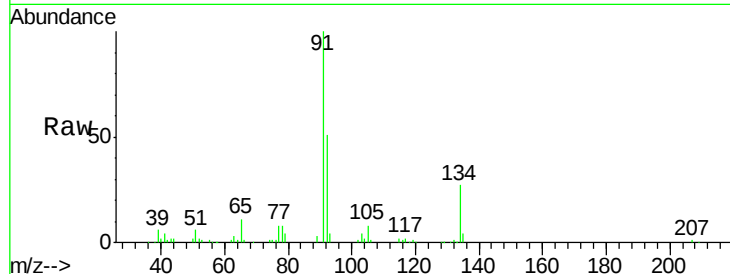
#89
n-Butylbenzene
Concen: 2.431 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.7
134	28.9	14.3	42.9

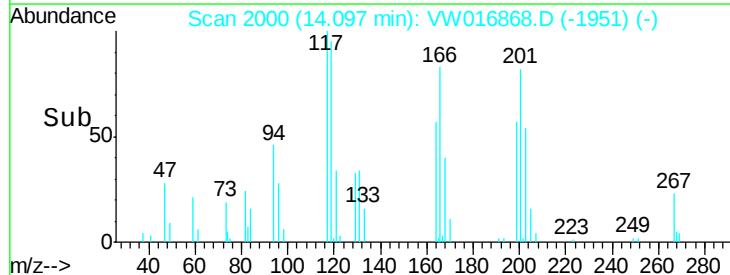
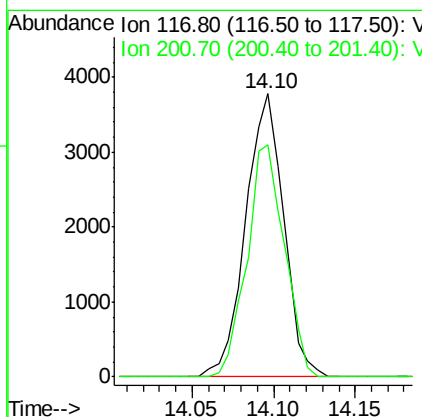
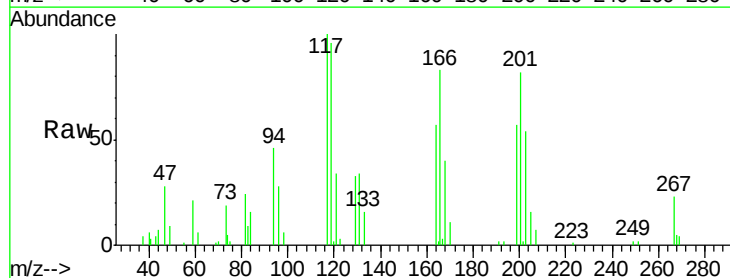
Manual Integrations
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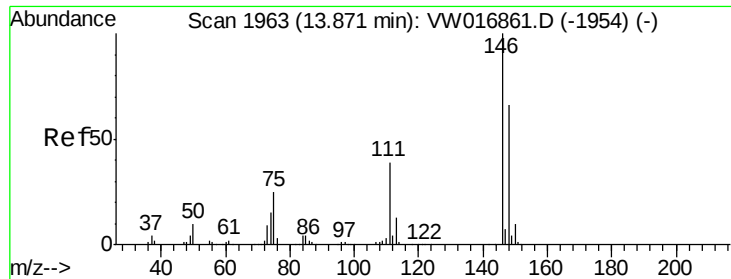
MMDadoda
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#90
Hexachloroethane
Concen: 2.463 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	41.9	125.7





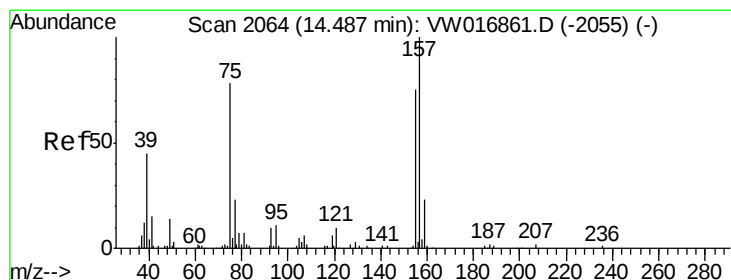
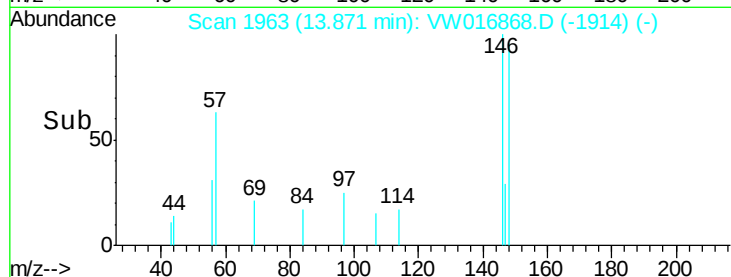
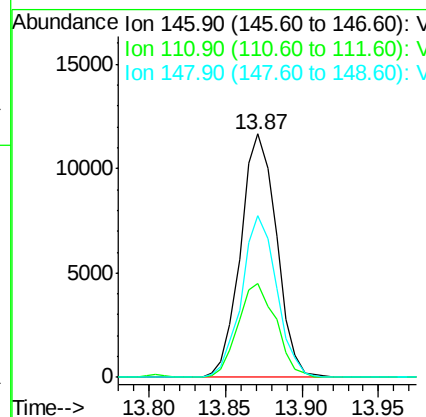
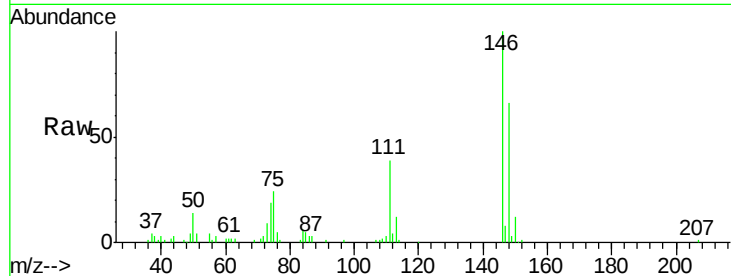
#91
 1,2-Dichlorobenzene
 Concen: 2.704 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.3
148	64.4	33.1	99.3

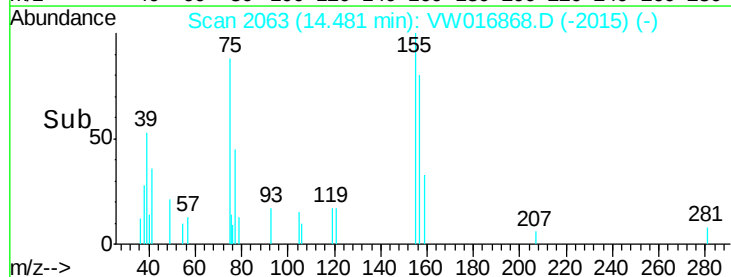
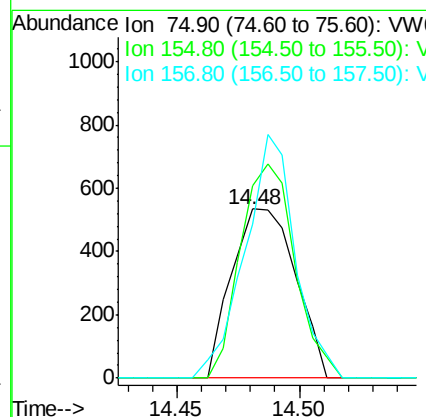
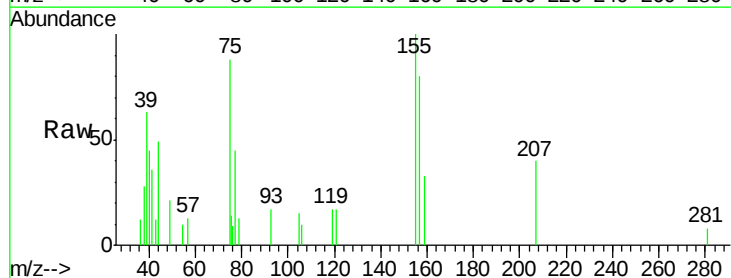
Manual Integrations
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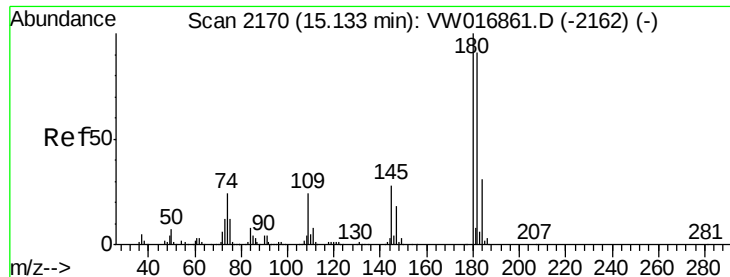
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.350 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.3	47.6	142.8
157	113.4	62.2	186.6





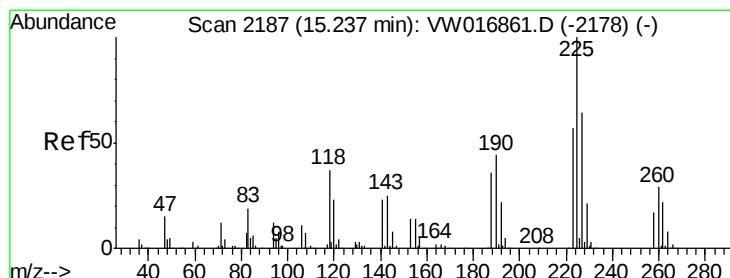
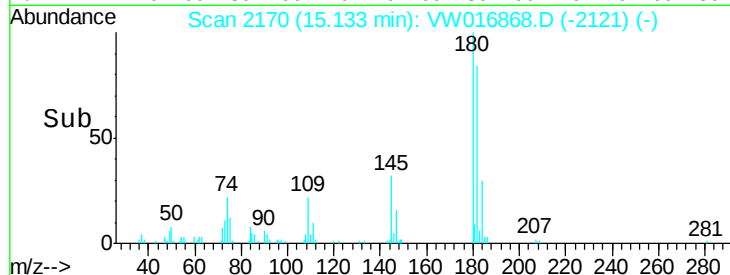
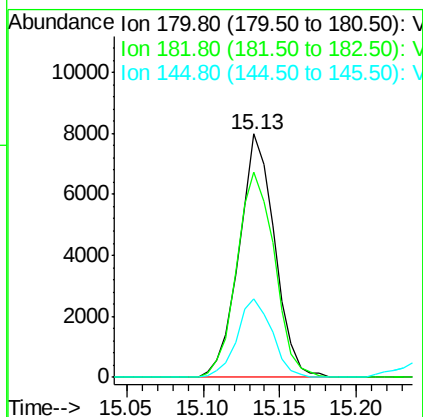
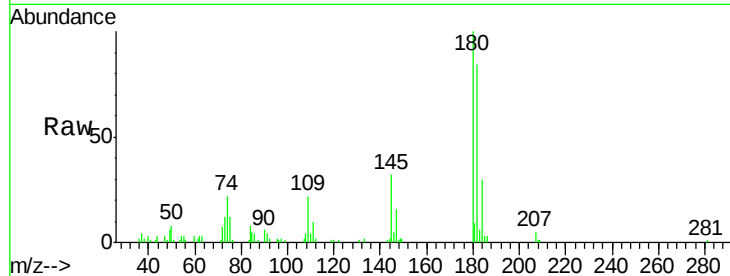
#93
 1,2,4-Trichlorobenzene
 Concen: 2.641 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.8	48.3	144.9
145	31.8	14.9	44.5

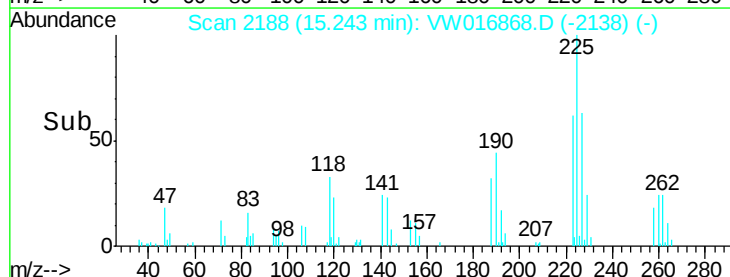
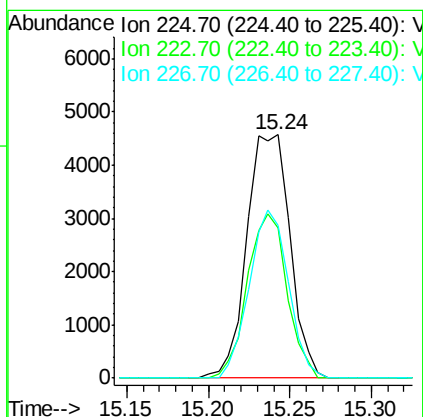
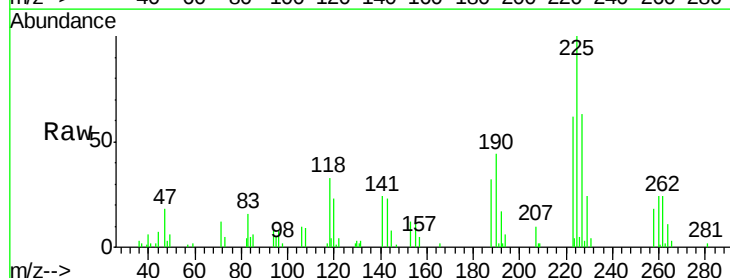
Manual Integrations
 APPROVED

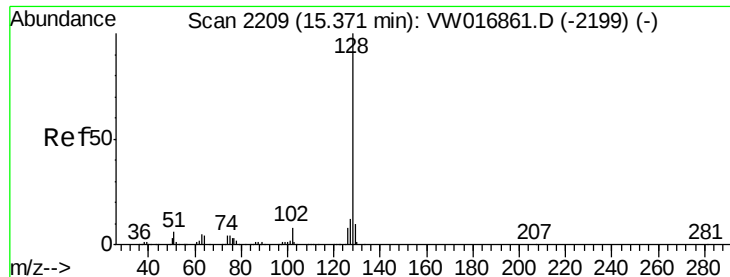
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#94
 Hexachlorobutadiene
 Concen: 2.667 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW016868.D
 Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.7
227	62.4	33.0	99.0





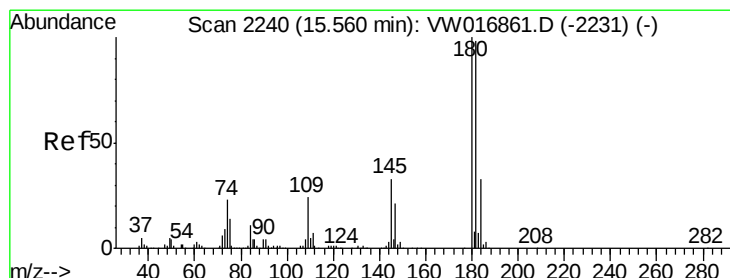
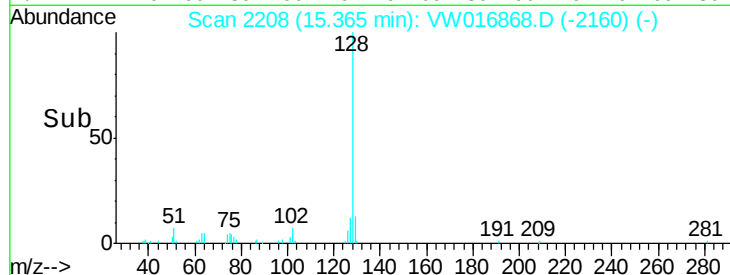
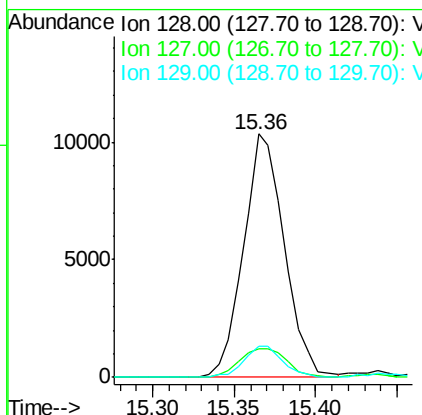
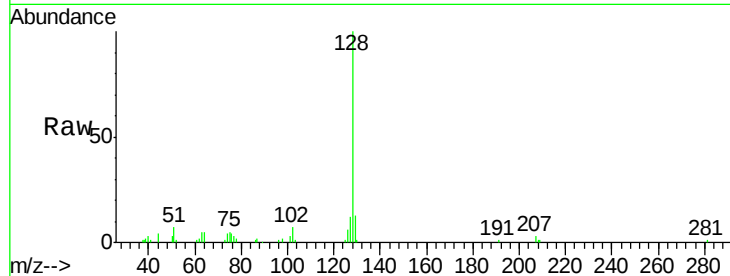
#95
Naphthalene
Concen: 2.275 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	12.2	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 2.672 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW016868.D
Acq: 09 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	49.4	148.2
145	31.5	16.3	48.9

