

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015103.D
 Acq On : 09 Mar 2020 17:49
 Operator : SY/VA
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Manual Integrations
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 3/11/2020 3:24:16 PM

Quant Time: Mar 10 18:34:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 10 18:26:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	387186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	762130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	682086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	290213	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	318776	55.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.98%	
35) Dibromofluoromethane	7.88	113	230215	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.32	98	969371	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.62	95	318240	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	9899	4.216	ug/l	91
3) Chloromethane	2.21	50	25278	5.017	ug/l	97
4) Vinyl Chloride	2.36	62	28648	4.343	ug/l	96
5) Bromomethane	2.78	94	15891	4.215	ug/l	91
6) Chloroethane	2.92	64	15680	4.104	ug/l #	87
7) Trichlorofluoromethane	3.26	101	14643	4.436	ug/l	94
8) Diethyl Ether	3.68	74	11201	4.454	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	22021	4.377	ug/l	100
10) Methyl Iodide	4.27	142	23887	4.267	ug/l	99
11) Tert butyl alcohol	5.15	59	14282	43.651	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	20563	4.180	ug/l	90
13) Acrolein	3.90	56	10796	22.562	ug/l	95
14) Allyl chloride	4.67	41	42725	4.334	ug/l	99
15) Acrylonitrile	5.37	53	28374	22.009	ug/l	99
16) Acetone	4.12	43	33163	25.542	ug/l	97
17) Carbon Disulfide	4.38	76	73531	4.216	ug/l	98
18) Methyl Acetate	4.67	43	14543	4.725	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	28299	4.494	ug/l	99
20) Methylene Chloride	4.92	84	43150	7.179	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	22650	4.336	ug/l	93
22) Diisopropyl ether	6.31	45	76519	4.045	ug/l	90
23) Vinyl Acetate	6.25	43	213722	19.139	ug/l	98
24) 1,1-Dichloroethane	6.21	63	49964	4.529	ug/l	99
25) 2-Butanone	7.17	43	42520	23.889	ug/l	98
26) 2,2-Dichloropropane	7.15	77	34582	5.481	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	23641	4.348	ug/l	89
28) Bromochloromethane	7.51	49	22553	4.267	ug/l	99
29) Tetrahydrofuran	7.53	42	23385	21.004	ug/l	99
30) Chloroform	7.68	83	44538	4.550	ug/l	92
31) Cyclohexane	7.95	56	56822	5.008	ug/l #	62
32) 1,1,1-Trichloroethane	7.87	97	33674	4.406	ug/l	99
36) 1,1-Dichloropropene	8.08	75	35872	4.059	ug/l	99
37) Ethyl Acetate	7.25	43	20376	4.626	ug/l	97
38) Carbon Tetrachloride	8.07	117	30053	4.177	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.33	83	38530	3.813	ug/l	97
40) Benzene	8.32	78	106317	4.329	ug/l	95
41) Methacrylonitrile	7.48	41	7721	3.314	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	33033	4.414	ug/l	100
43) Isopropyl Acetate	8.43	43	33213	4.206	ug/l	96
44) Trichloroethene	9.09	130	21349	4.083	ug/l	96
45) 1,2-Dichloropropane	9.37	63	27252	4.120	ug/l	96
46) Dibromomethane	9.46	93	12064	4.194	ug/l	99
47) Bromodichloromethane	9.64	83	31680	4.126	ug/l	92
48) Methyl methacrylate	9.43	41	14268	3.915	ug/l	98
49) 1,4-Dioxane	9.45	88	3499	79.459	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	87384	20.033	ug/l	96
52) Toluene	10.38	92	58417	4.140	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	28640	3.791	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	35624	3.871	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	16189	4.108	ug/l	93
56) Ethyl methacrylate	10.65	69	18324	3.603	ug/l	97
57) 1,3-Dichloropropane	10.93	76	30682	4.089	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	57123	19.145	ug/l	100
59) 2-Hexanone	10.97	43	51484	18.896	ug/l	92
60) Dibromochloromethane	11.13	129	16257	3.994	ug/l	100
61) 1,2-Dibromoethane	11.23	107	14491	4.148	ug/l	97
64) Tetrachloroethene	10.86	164	16095	4.089	ug/l	93
65) Chlorobenzene	11.65	112	57525	4.202	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	17856	3.917	ug/l	96
67) Ethyl Benzene	11.73	91	102284	3.839	ug/l	96
68) m/p-Xylenes	11.84	106	69913	7.423	ug/l	99
69) o-Xylene	12.16	106	30735	3.623	ug/l	100
70) Styrene	12.18	104	49446	3.401	ug/l	98
71) Bromoform	12.35	173	8146	4.026	ug/l #	98
73) Isopropylbenzene	12.46	105	84942	3.832	ug/l	99
74) N-amyl acetate	12.27	43	23706	3.618	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	20304	4.510	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	15680m	4.781	ug/l	
77) Bromobenzene	12.74	156	18618	4.249	ug/l	96
78) n-propylbenzene	12.80	91	114362	3.969	ug/l	100
79) 2-Chlorotoluene	12.89	91	66271	4.091	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	71295	3.740	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	185289	127.594	ug/l #	6
82) 4-Chlorotoluene	12.99	91	70457	4.084	ug/l	97
83) tert-Butylbenzene	13.20	119	56877	3.683	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	70258	3.686	ug/l	97
85) sec-Butylbenzene	13.38	105	89010	3.809	ug/l	100
86) p-Isopropyltoluene	13.49	119	73227	3.645	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	38648	4.163	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	39805	4.354	ug/l	89
89) n-Butylbenzene	13.82	91	80435	3.713	ug/l	98
90) Hexachloroethane	14.09	117	16821	4.175	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	33386	4.106	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	3344	4.626	ug/l	92

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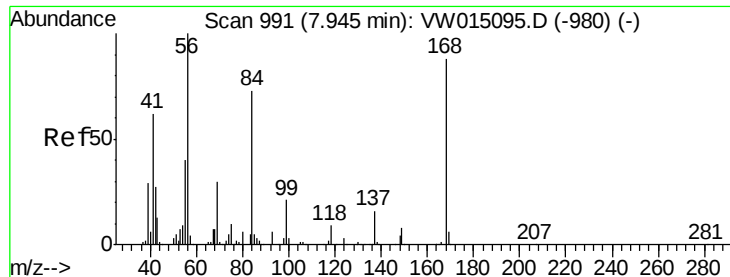
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	15807	3.397	ug/l	98
94) Hexachlorobutadiene	15.23	225	11827	4.048	ug/l	97
95) Naphthalene	15.36	128	22803	2.625	ug/l	97
96) 1,2,3-Trichlorobenzene	15.55	180	14143	3.427	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015103.D

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Instrument :

MSVOA_W

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Tot Ion:168 Resp: 387186

Ion Ratio Lower Upper

168 100

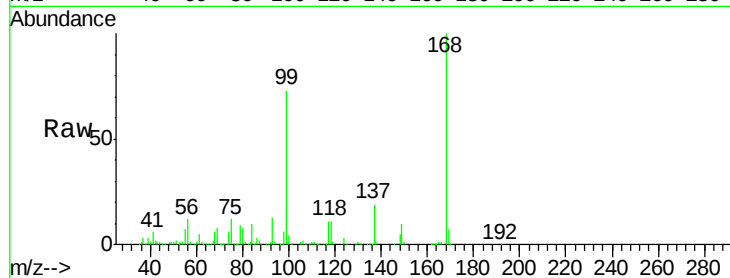
99 72.9 57.2 85.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

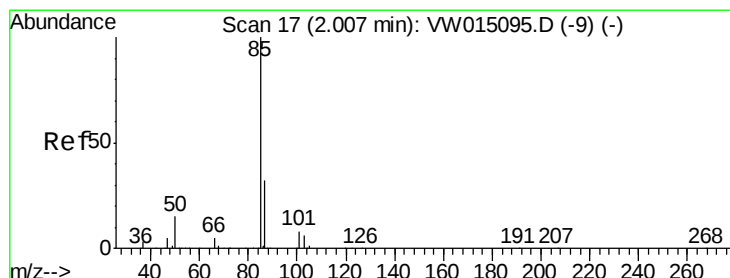
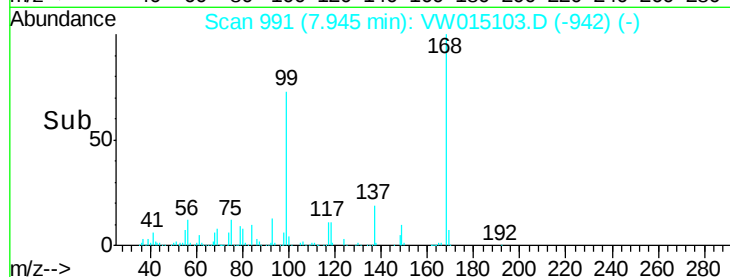
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.216 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW015103.D

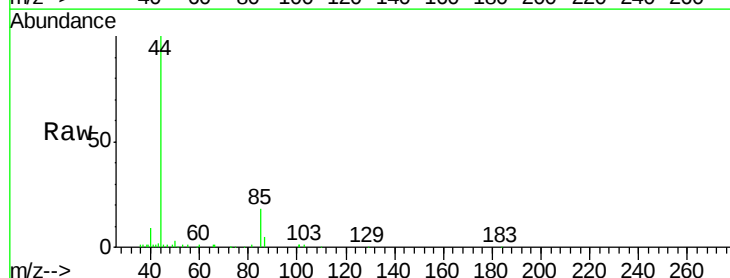
Acq: 09 Mar 2020 17:49

Tgt Ion: 85 Resp: 9899

Ion Ratio Lower Upper

85 100

87 27.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

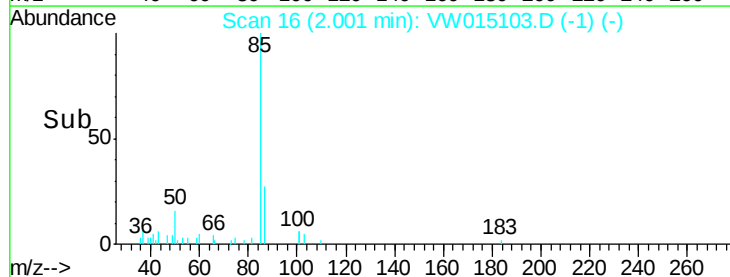
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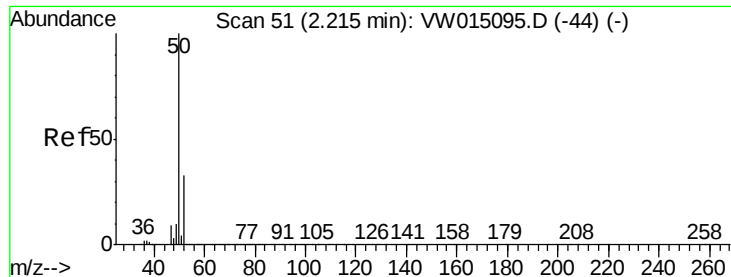
2000

1000

0

Time-->





#3

Chloromethane

Concen: 5.017 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 50 Resp: 25278

Ion Ratio Lower Upper

50 100

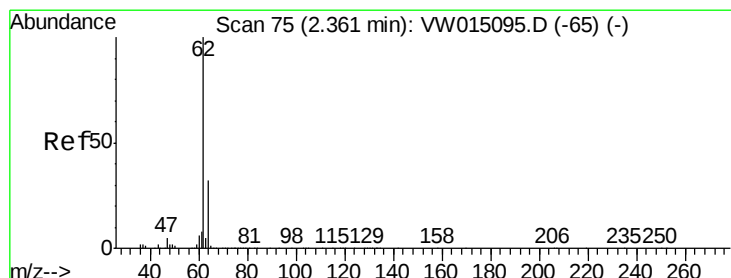
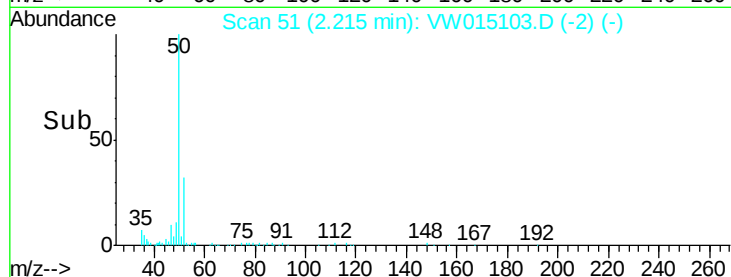
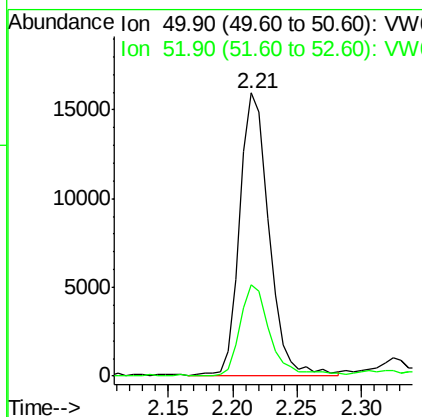
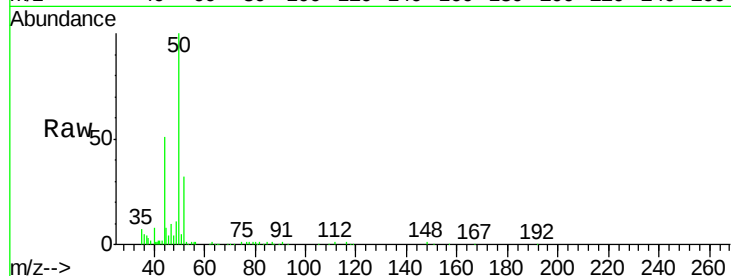
52 31.8 26.6 40.0

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#4

Vinyl Chloride

Concen: 4.343 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015103.D

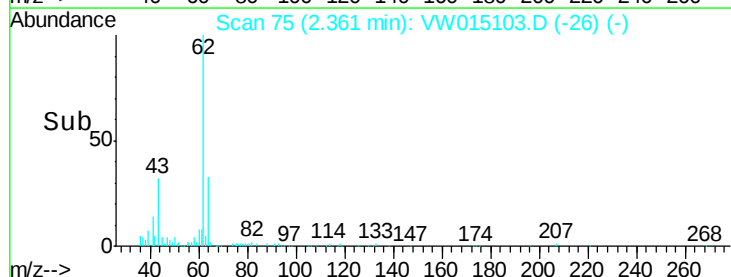
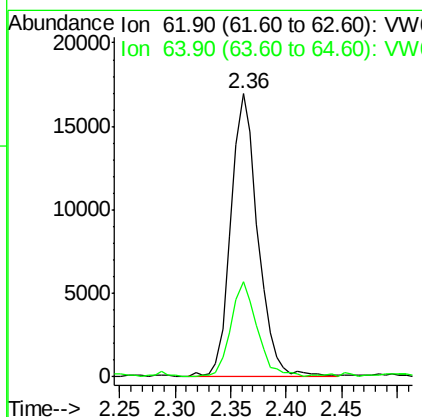
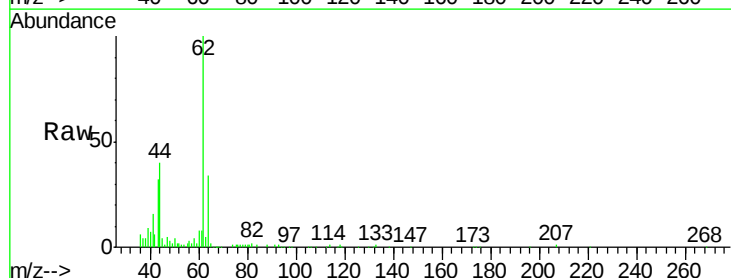
Acq: 09 Mar 2020 17:49

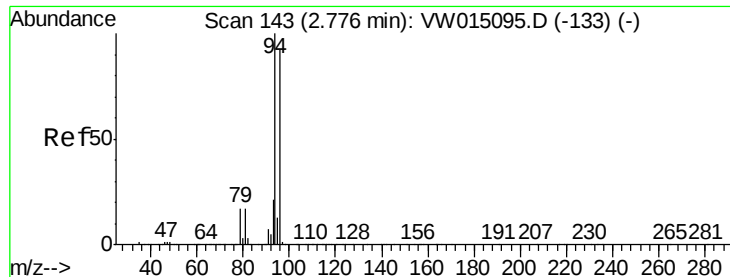
Tgt Ion: 62 Resp: 28648

Ion Ratio Lower Upper

62 100

64 33.6 25.3 37.9





#5

Bromomethane

Concen: 4.215 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

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Tot Ion: 94 Resp: 15891

Ion Ratio Lower Upper

94 100

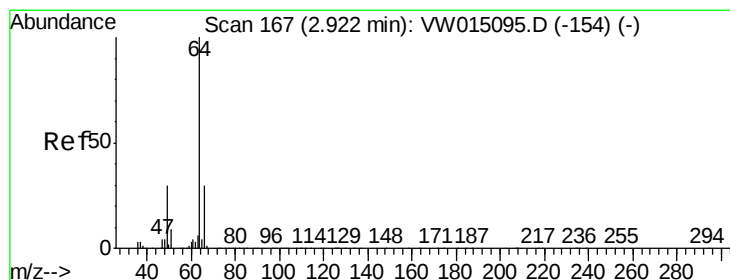
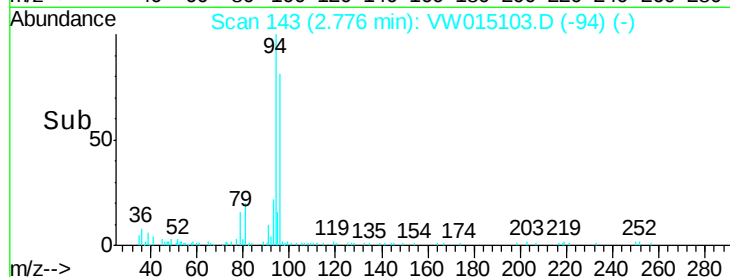
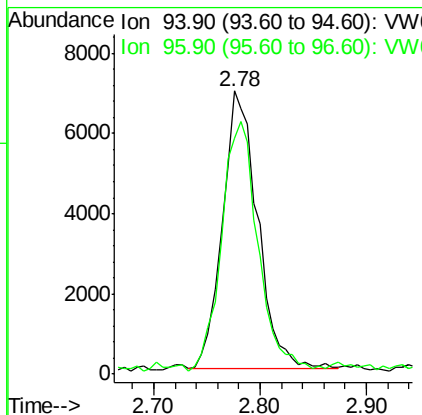
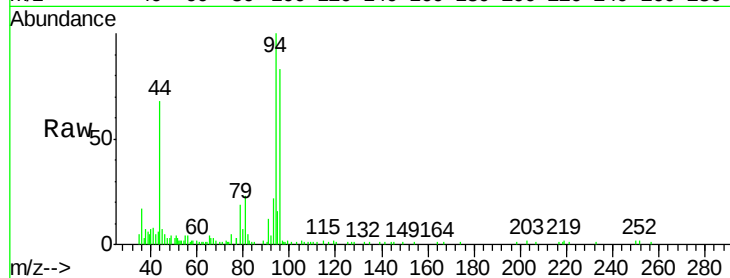
96 83.7 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 4.104 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015103.D

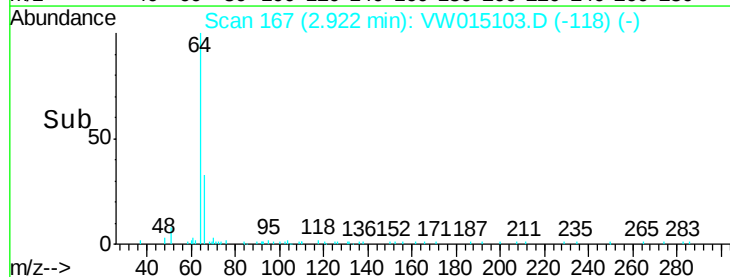
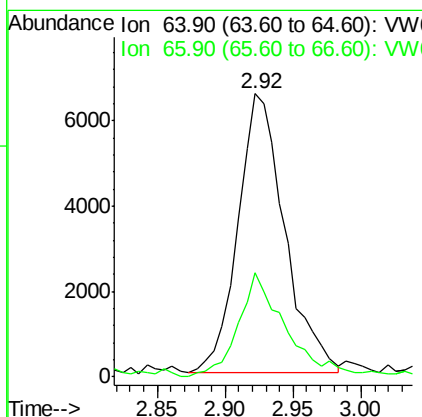
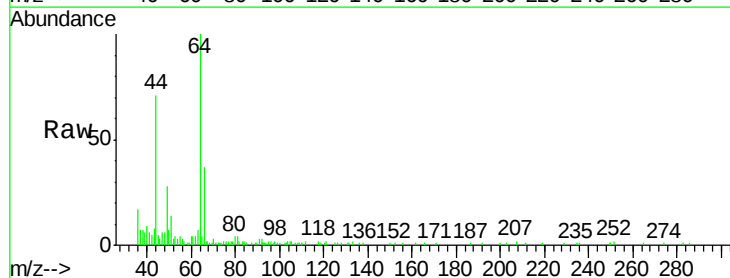
Acq: 09 Mar 2020 17:49

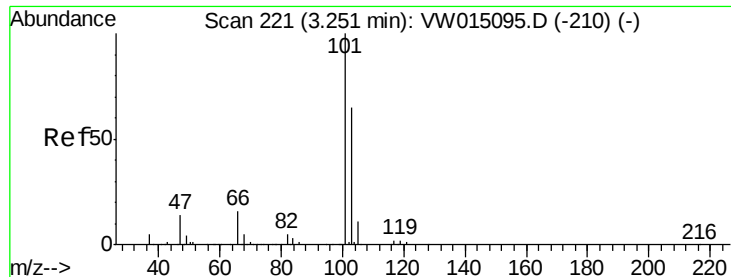
Tgt Ion: 64 Resp: 15680

Ion Ratio Lower Upper

64 100

66 37.3 24.2 36.2#





#7

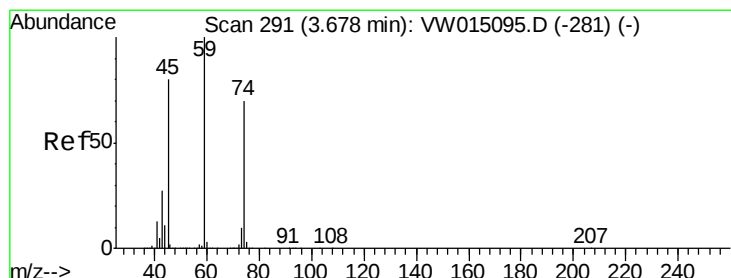
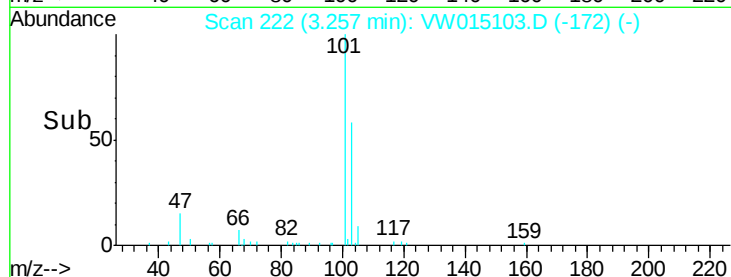
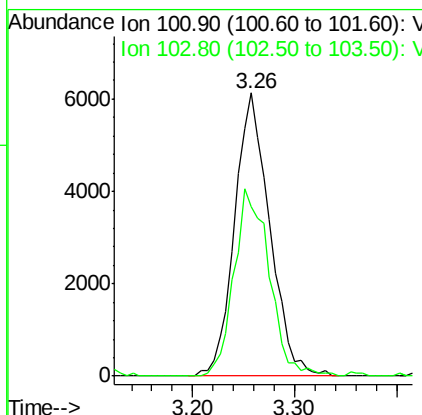
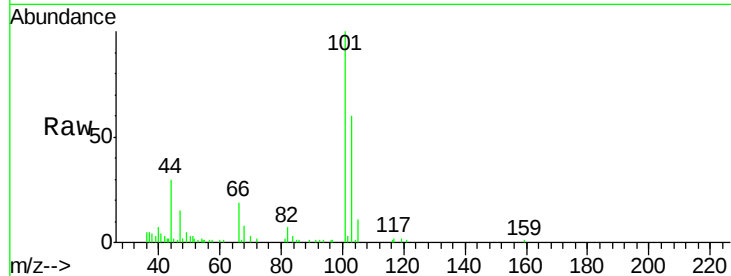
Trichlorofluoromethane
Concen: 4.436 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW015103.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	51.8	77.6

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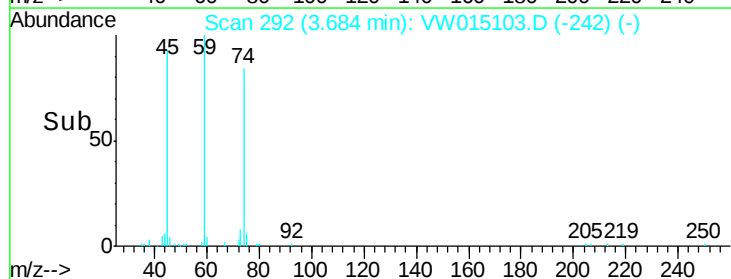
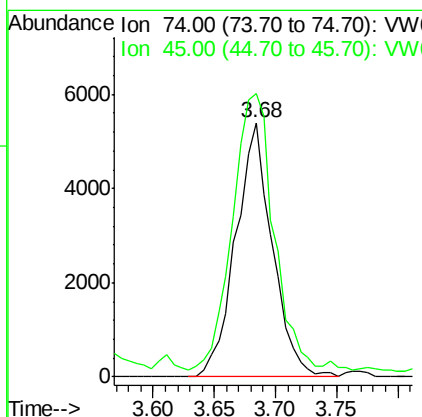
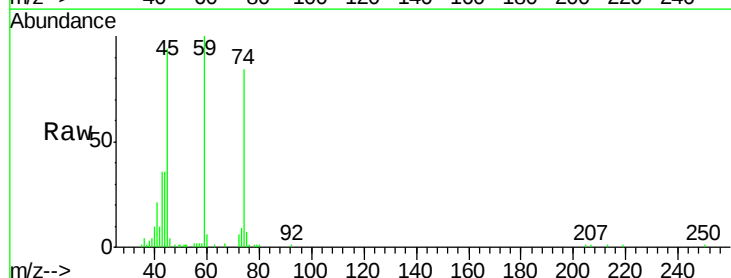
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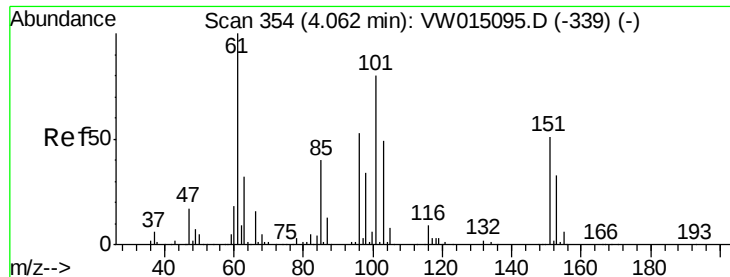


#8

Diethyl Ether
Concen: 4.454 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.1	59.2	177.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.377 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

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MSVOA_W

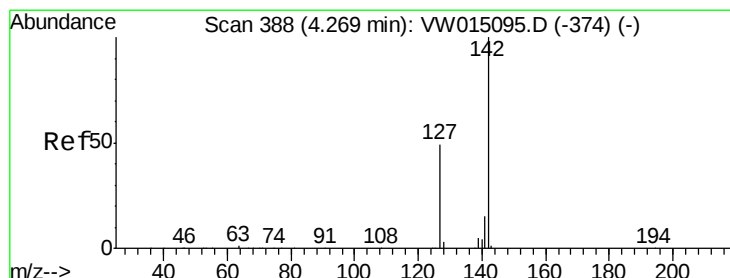
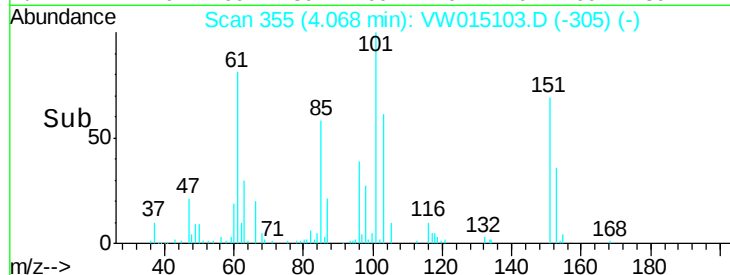
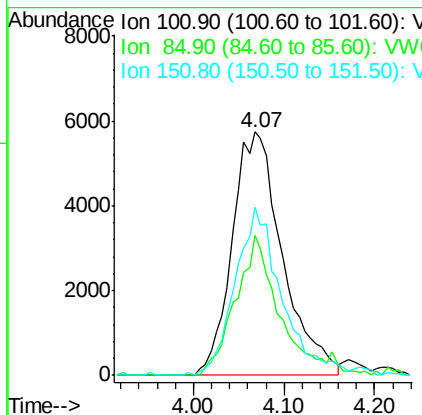
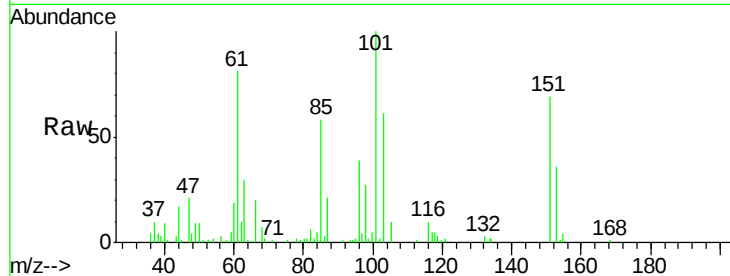
ClientSampleId :

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Tot Ion:	101	Resp:	22021
Ion Ratio	Lower	Upper	
101	100		
85	49.2	39.0	58.4
151	63.7	50.8	76.2

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#10

Methyl Iodide

Concen: 4.267 ug/l

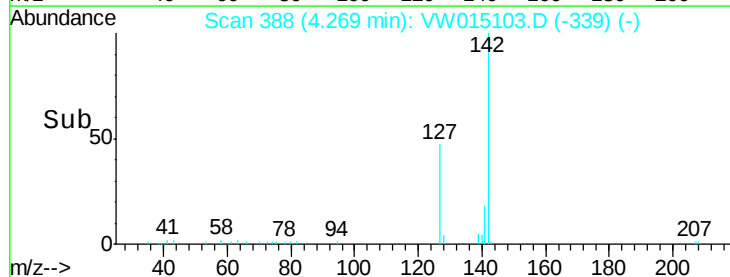
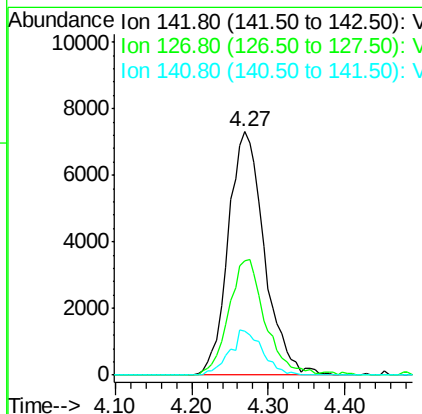
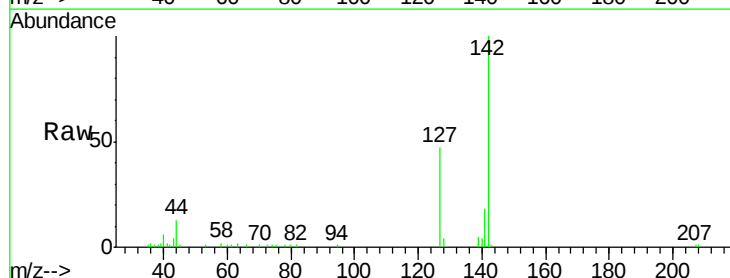
RT: 4.27 min Scan# 388

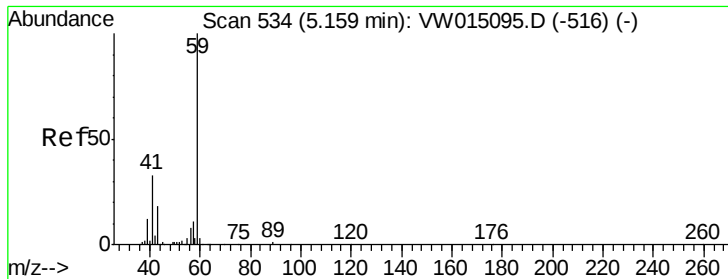
Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion:	142	Resp:	23887
Ion Ratio	Lower	Upper	
142	100		
127	47.5	38.2	57.4
141	16.9	12.0	18.0





#11

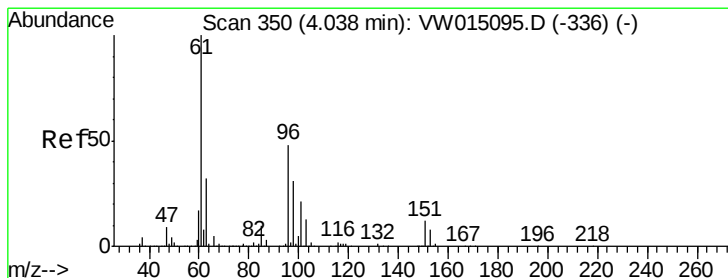
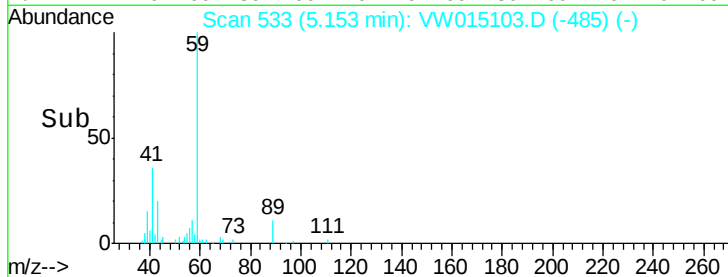
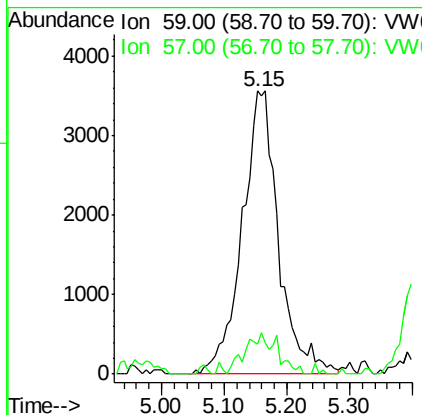
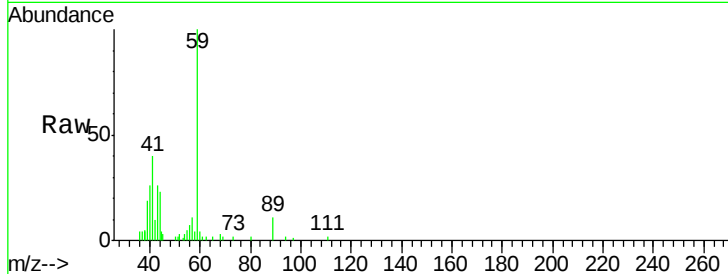
Tert butyl alcohol
 Concen: 43.651 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	9.1	13.7#

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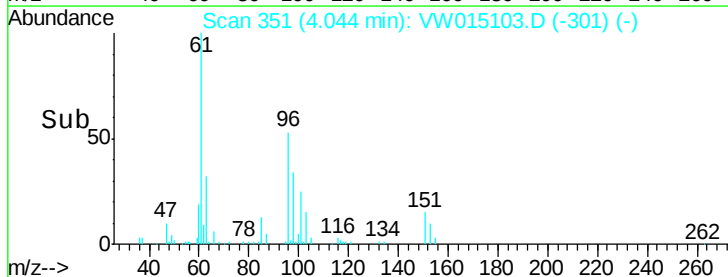
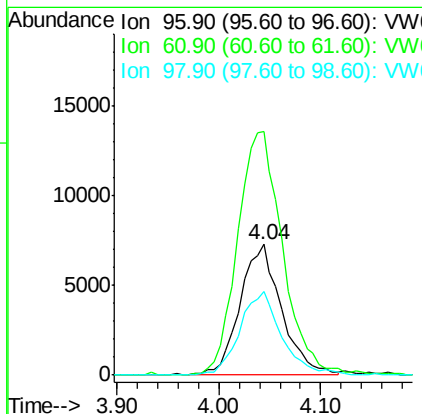
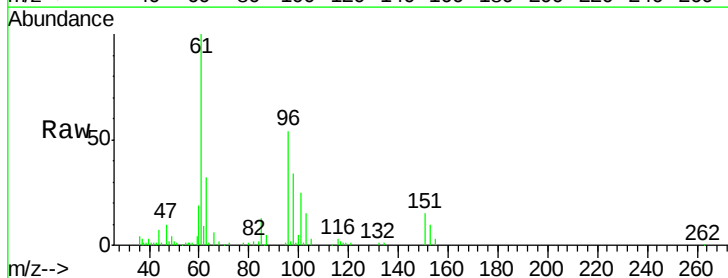
MMDadoda
 3/11/2020 3:24:16 PM

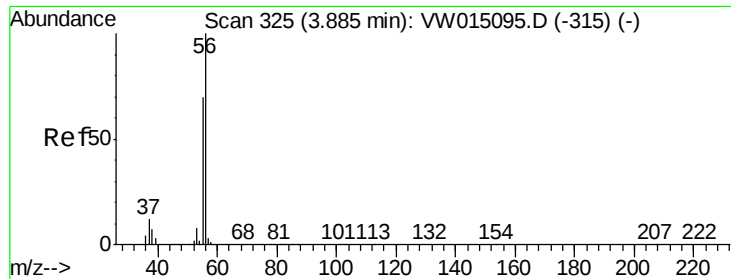


#12

1,1-Dichloroethene
 Concen: 4.180 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.4	165.5	248.3
98	64.2	51.1	76.7





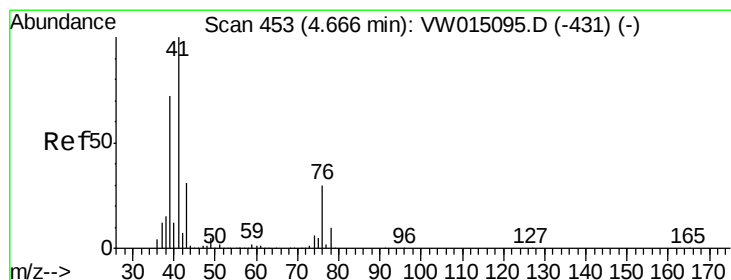
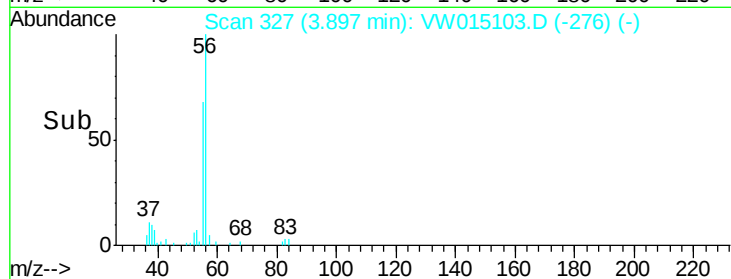
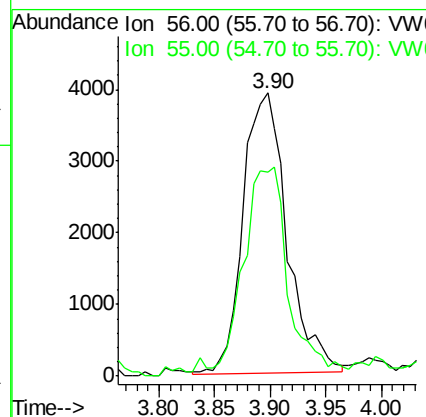
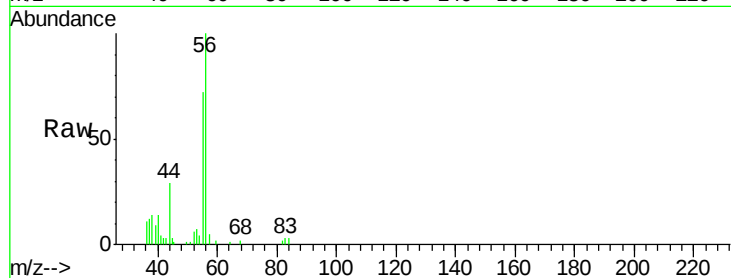
#13
Acrolein
Concen: 22.562 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	56	Resp	10796
Ion Ratio	100	Lower	Upper
55	73.2	55.4	83.2

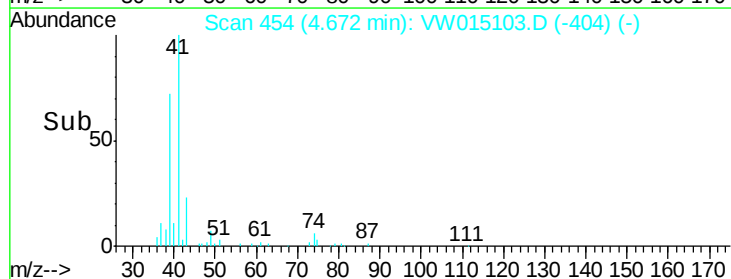
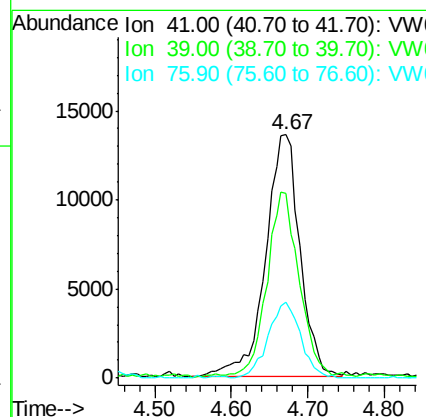
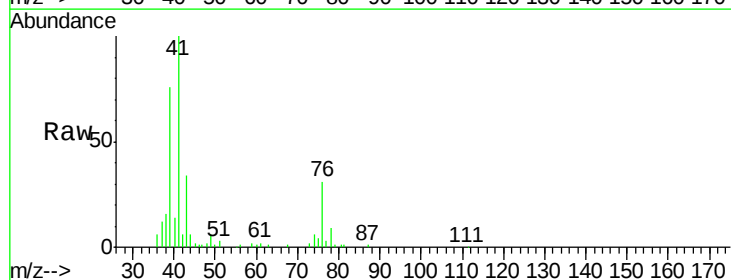
Manual Integrations
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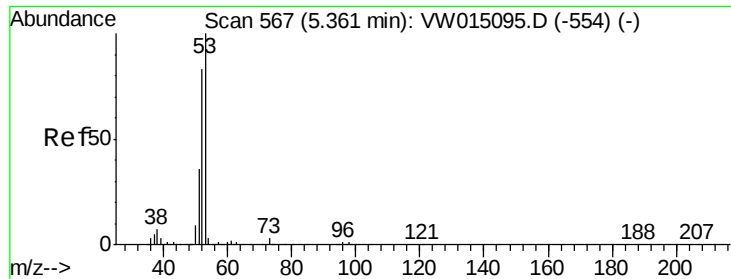
MMDadoda
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#14
Allyl chloride
Concen: 4.334 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	41	Resp	42725
Ion Ratio	100	Lower	Upper
39	71.6	56.9	85.3
76	29.6	23.2	34.8





#15

Acrylonitrile

Concen: 22.009 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

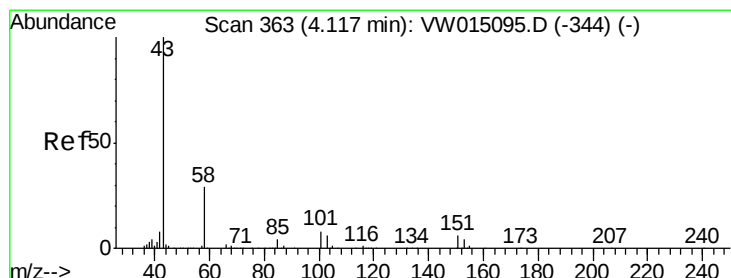
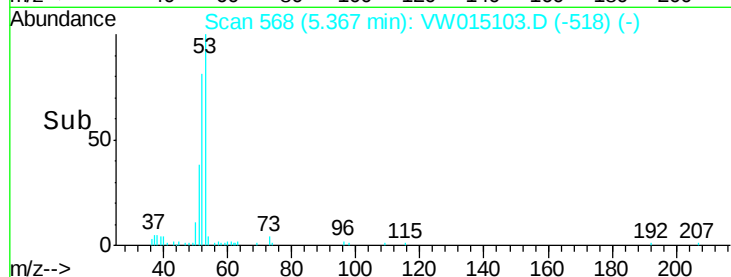
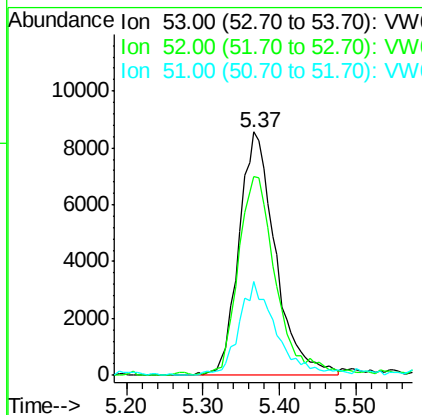
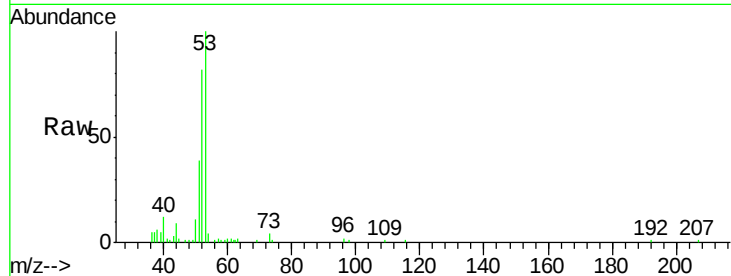
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	53	Resp:	28374
Ion	Ratio	Lower	Upper
53	100		
52	84.8	67.2	100.8
51	36.2	29.8	44.6

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#16

Acetone

Concen: 25.542 ug/l

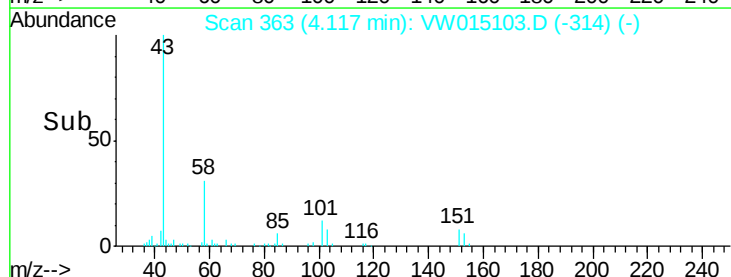
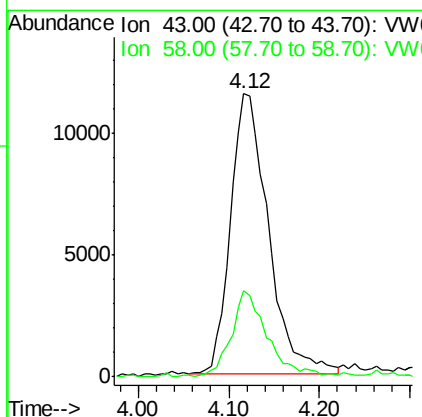
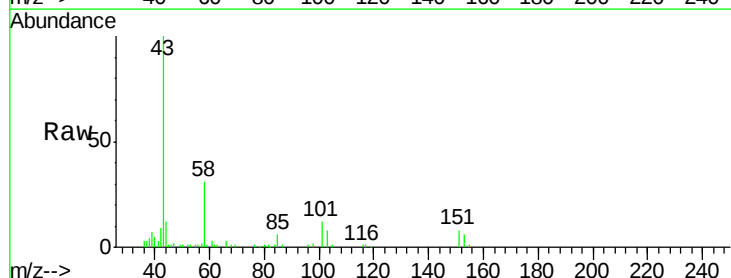
RT: 4.12 min Scan# 363

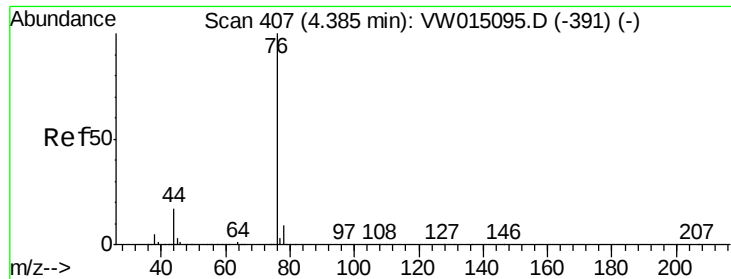
Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion:	43	Resp:	33163
Ion	Ratio	Lower	Upper
43	100		
58	30.4	22.9	34.3





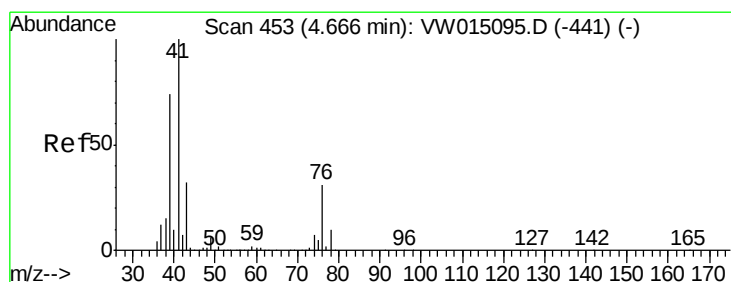
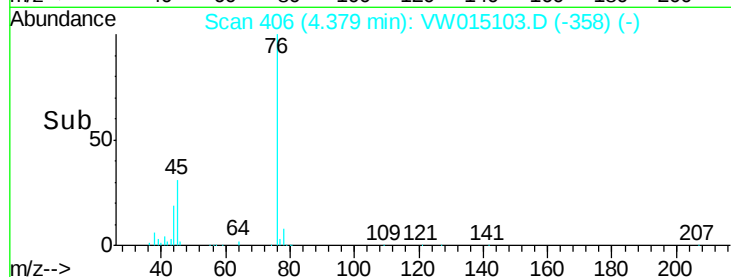
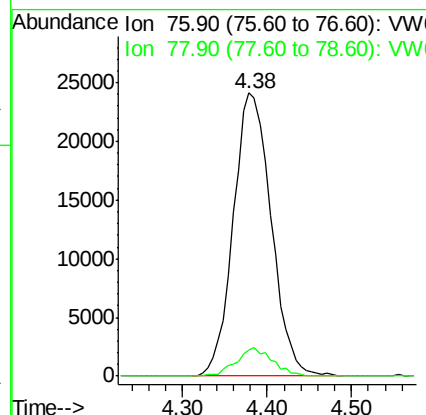
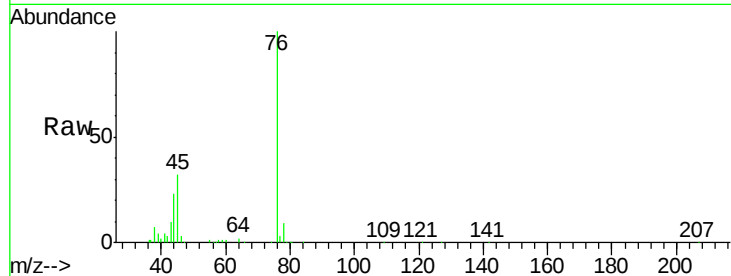
#17
Carbon Disulfide
Concen: 4.216 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

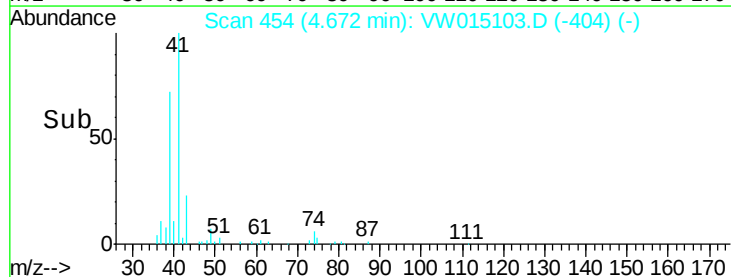
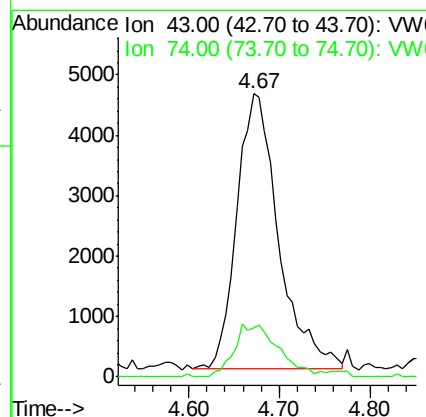
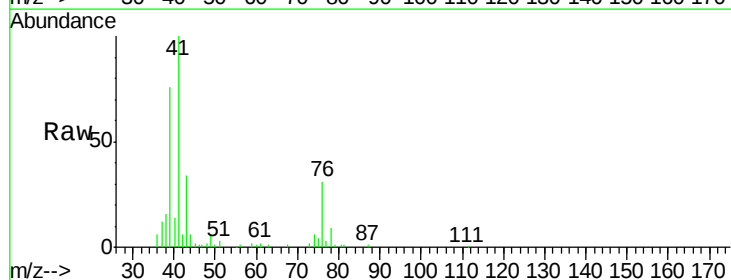
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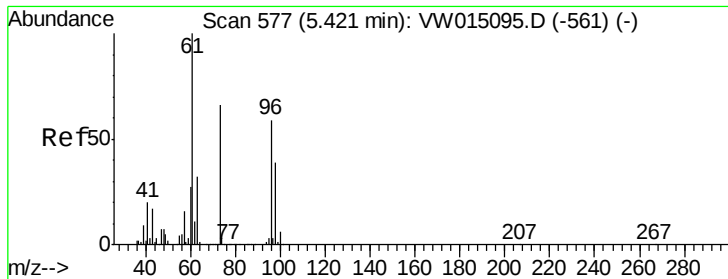
MMDadoda
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#18
Methyl Acetate
Concen: 4.725 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	15.8	23.6





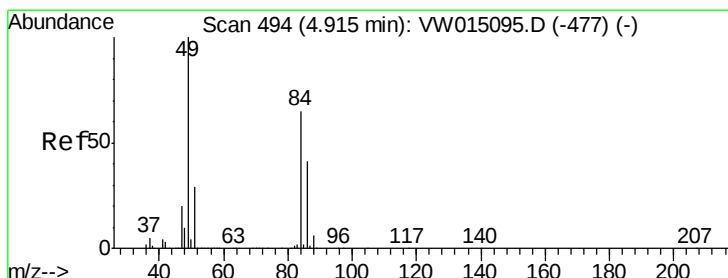
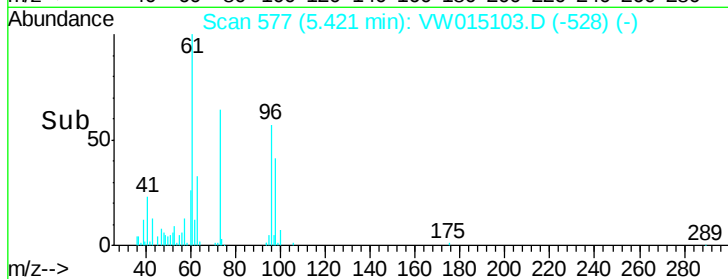
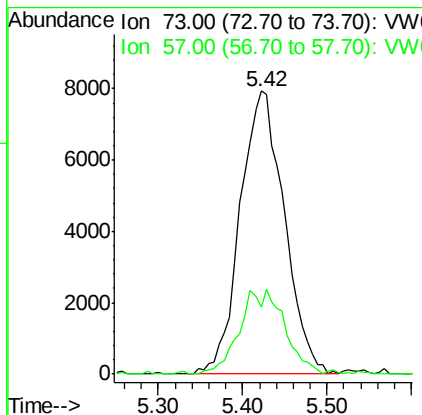
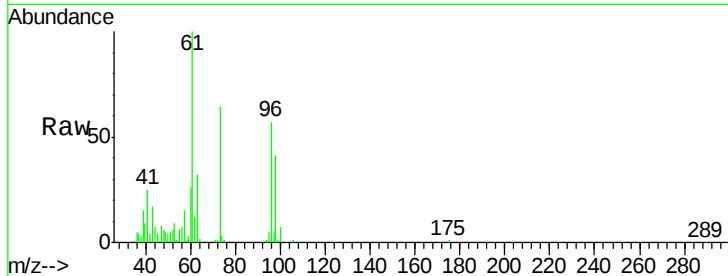
#19
Methvl tert-butvl Ether
Concen: 4.494 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 73 Resp: 28299
Ion Ratio Lower Upper
73 100
57 23.8 19.3 28.9

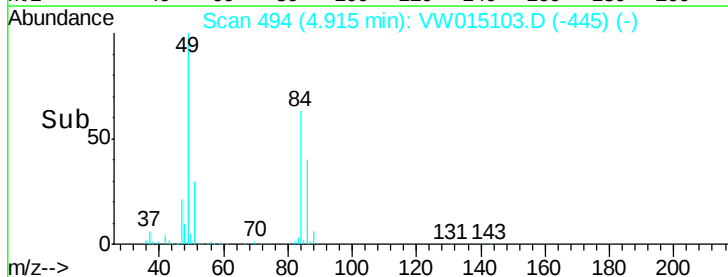
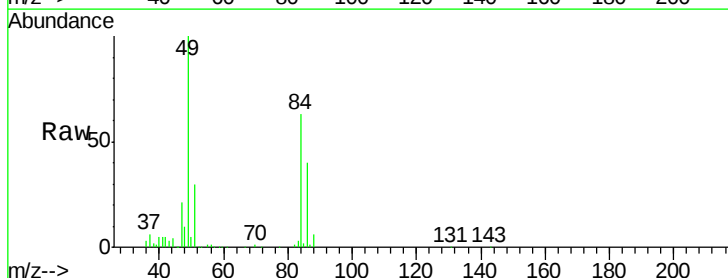
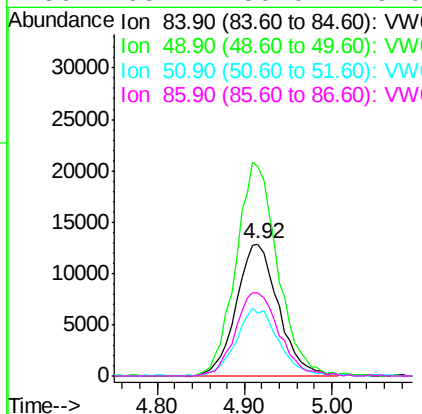
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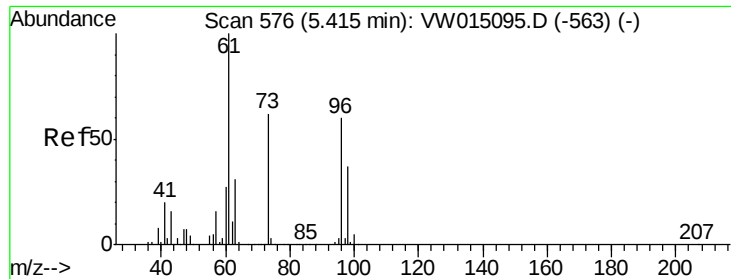
MMDadoda
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#20
Methylene Chloride
Concen: 7.179 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion: 84 Resp: 43150
Ion Ratio Lower Upper
84 100
49 158.6 122.8 184.2
51 46.8 35.9 53.9
86 63.2 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 4.336 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

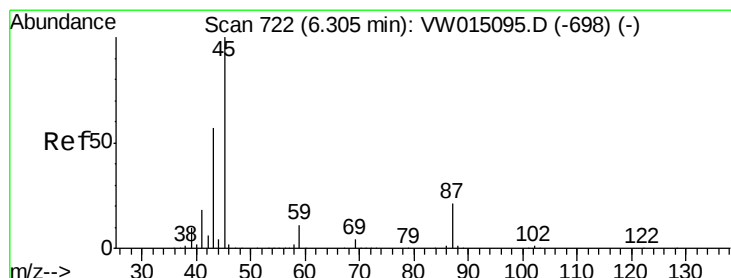
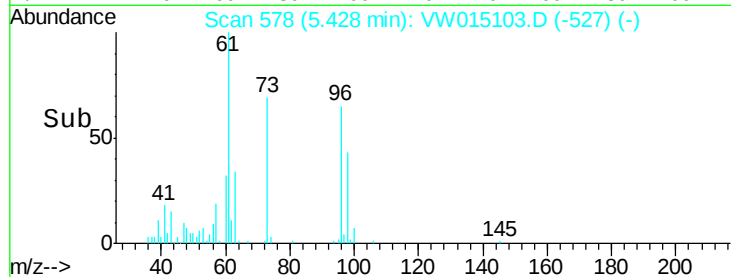
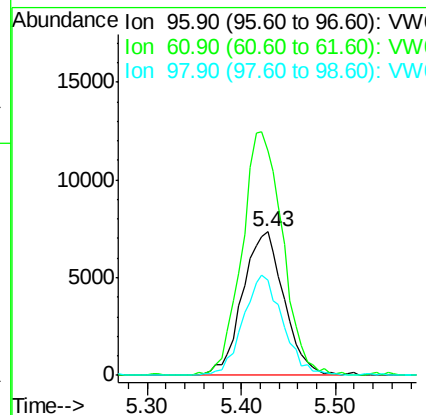
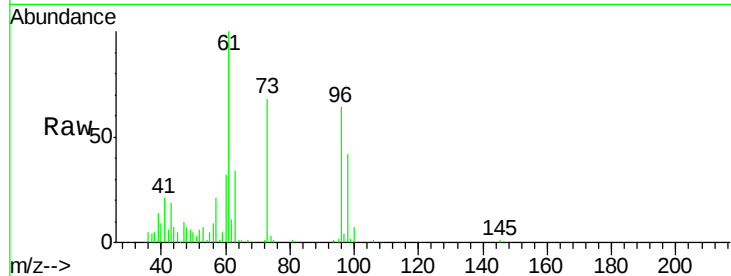
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	96	Resp:	22650
Ion	Ratio	Lower	Upper
96	100		
61	156.1	132.5	198.7
98	66.1	48.9	73.3

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#22

Diisopropyl ether

Concen: 4.045 ug/l

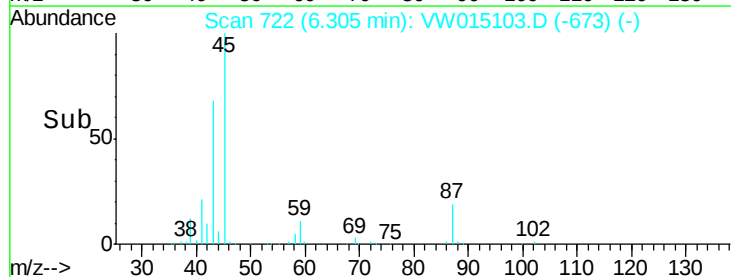
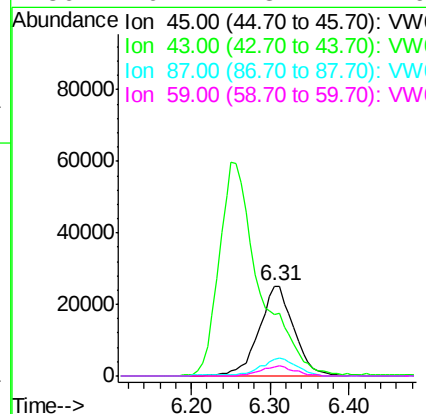
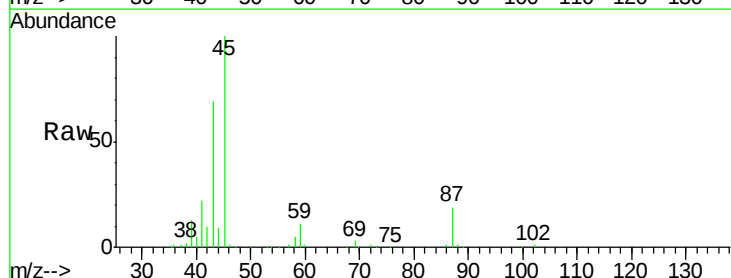
RT: 6.31 min Scan# 722

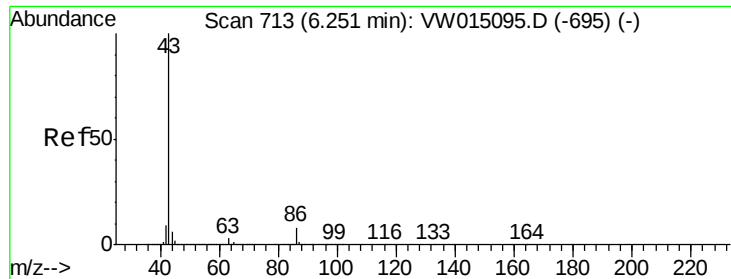
Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion:	45	Resp:	76519
Ion	Ratio	Lower	Upper
45	100		
43	67.1	45.4	68.0
87	19.0	16.4	24.6
59	10.2	8.4	12.6





#23

Vinyl Acetate

Concen: 19.139 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 213722

Ion Ratio Lower Upper

43 100

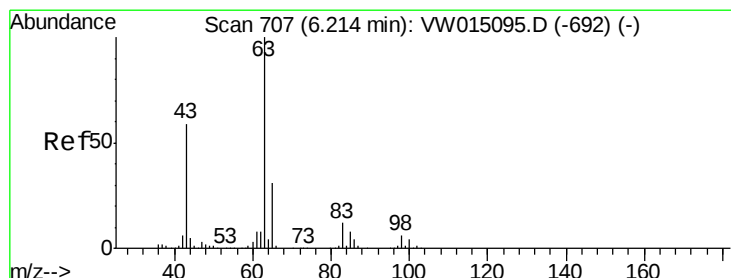
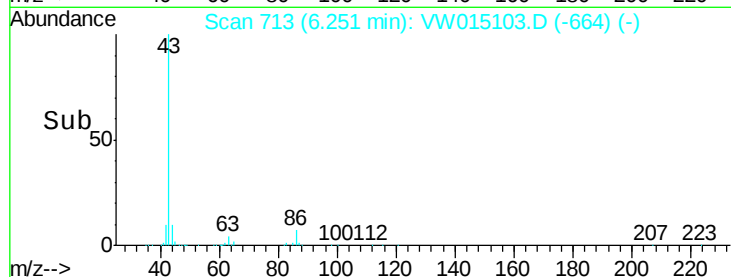
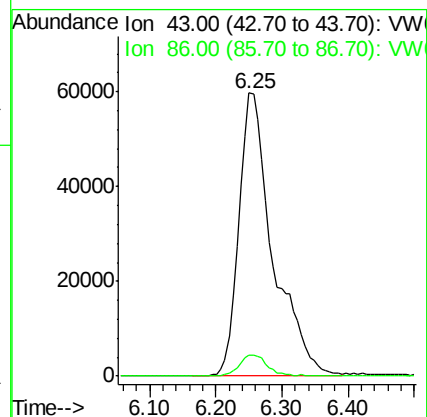
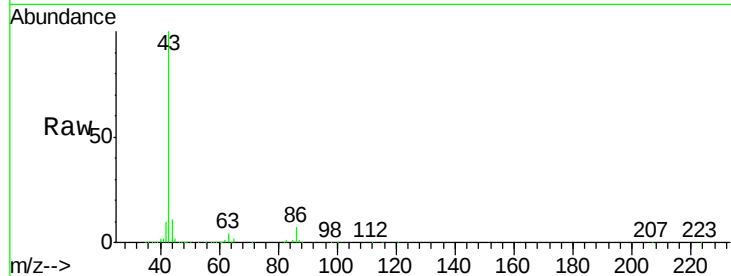
86 7.4 6.3 9.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 4.529 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

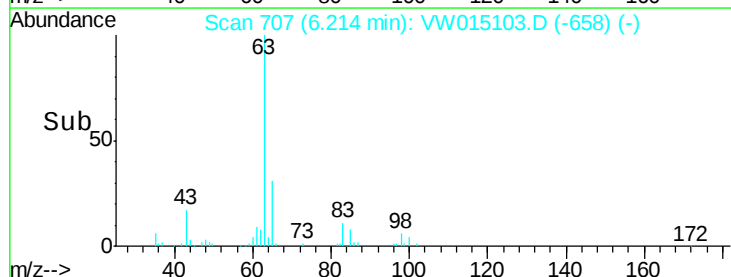
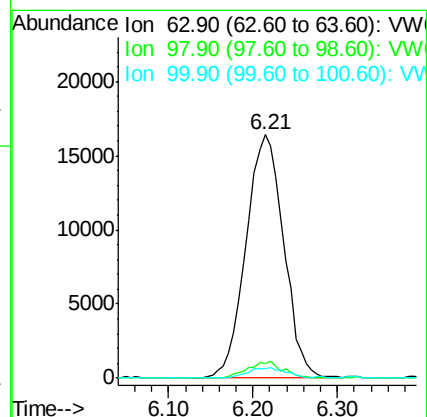
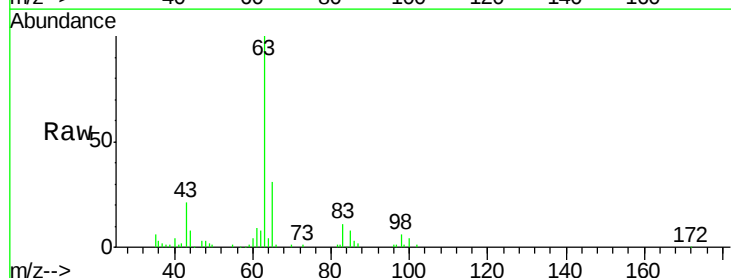
Tgt Ion: 63 Resp: 49964

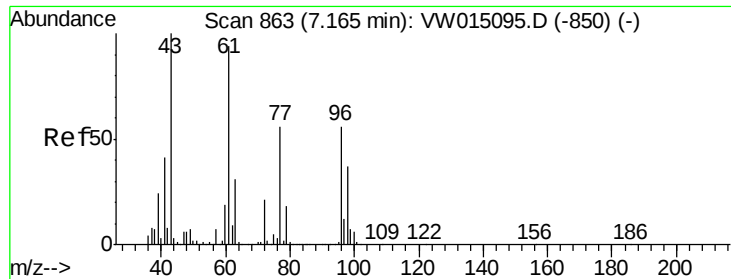
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 4.0 2.1 6.3





#25

2-Butanone

Concen: 23.889 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 42520

Ion Ratio Lower Upper

43 100

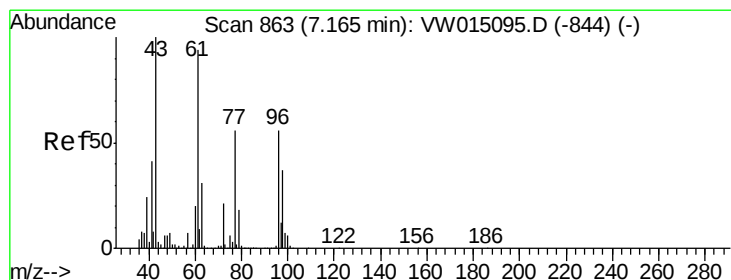
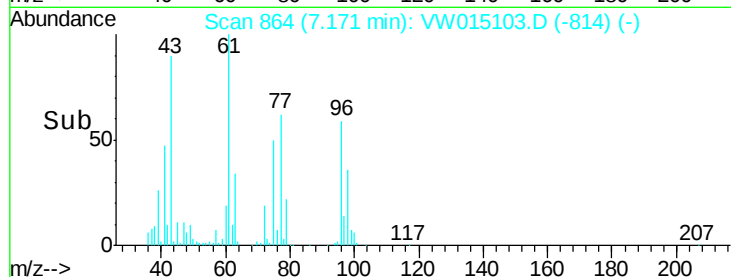
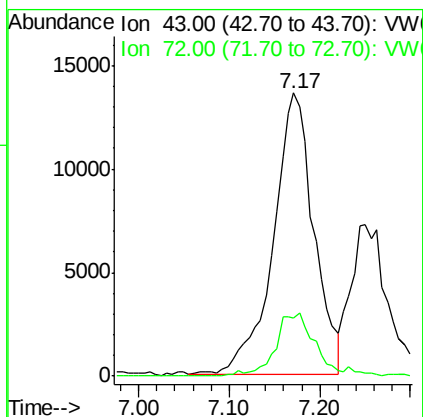
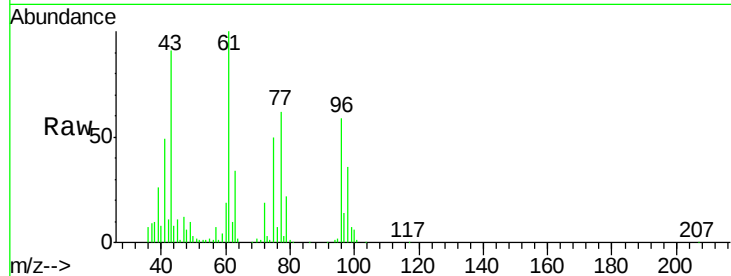
72 20.5 17.0 25.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.481 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW015103.D

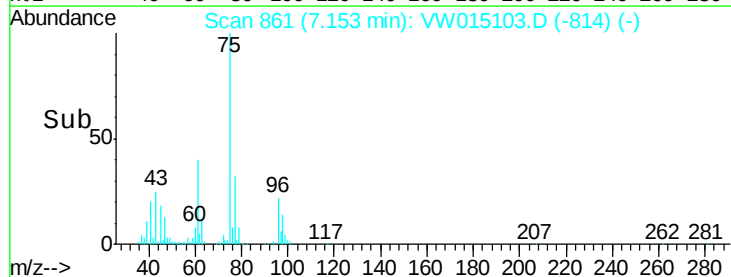
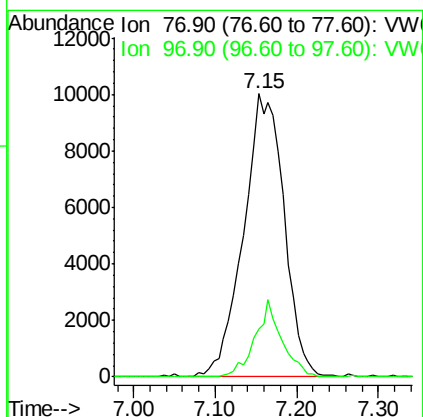
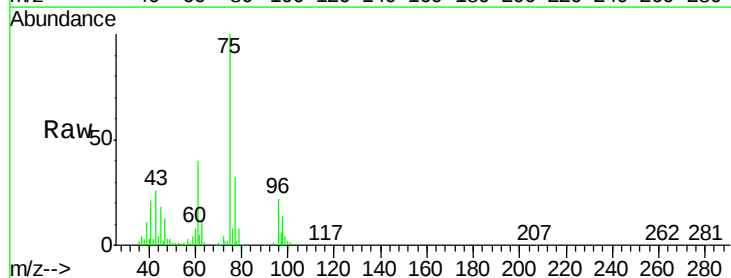
Acq: 09 Mar 2020 17:49

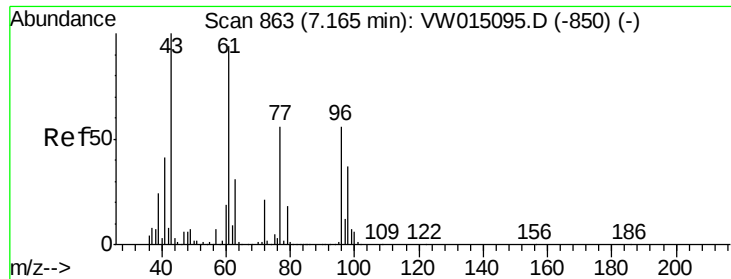
Tgt Ion: 77 Resp: 34582

Ion Ratio Lower Upper

77 100

97 18.0 10.6 31.8





#27

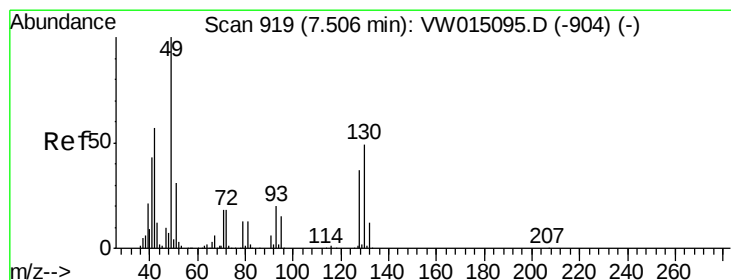
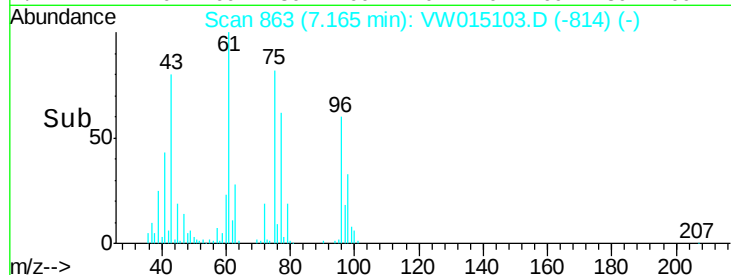
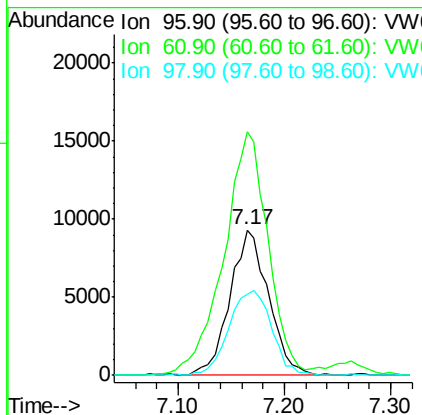
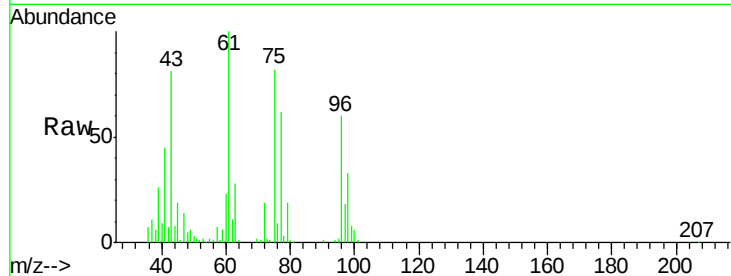
cis-1,2-Dichloroethene
Concen: 4.348 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	191.4	0.0	343.4
98	64.4	0.0	127.6

Manual Integrations
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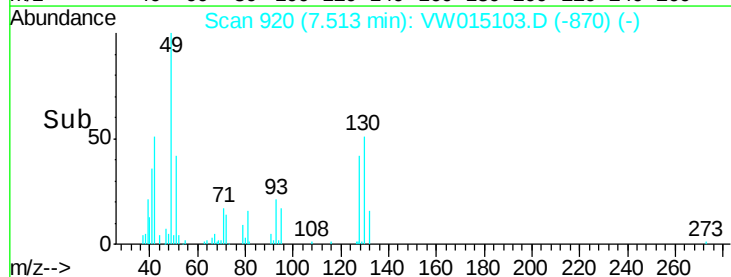
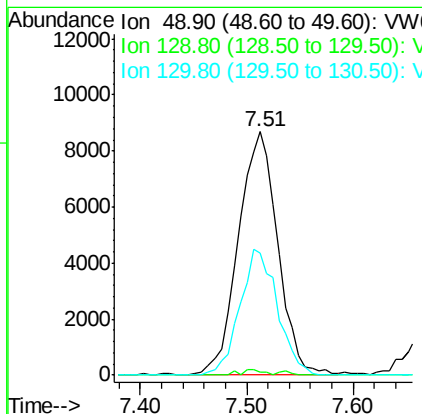
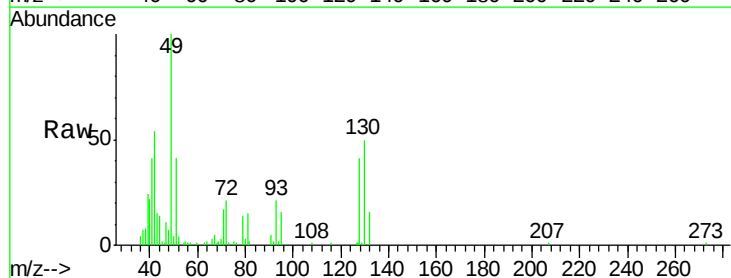
MMDadoda
3/11/2020 3:24:16 PM

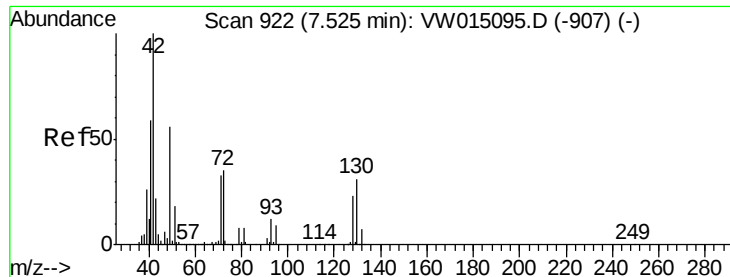


#28

Bromochloromethane
Concen: 4.267 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.0
130	49.2	39.8	59.6





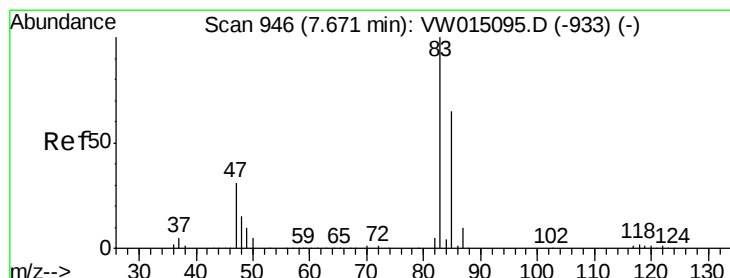
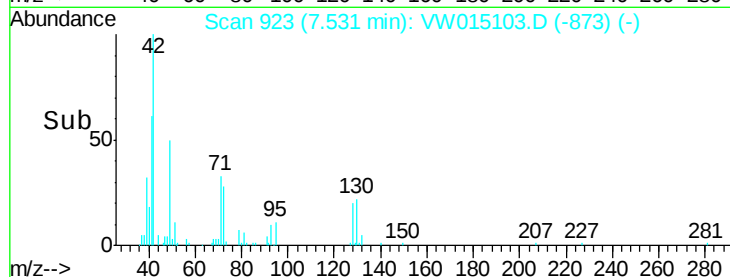
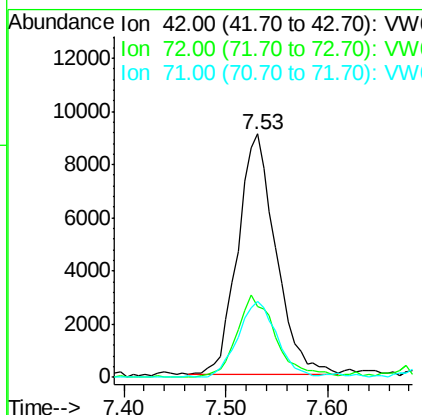
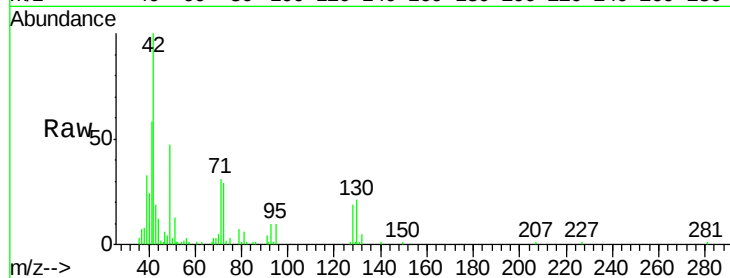
#29
Tetrahydrofuran
Concen: 21.004 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	27.8	41.6
71	32.2	26.4	39.6

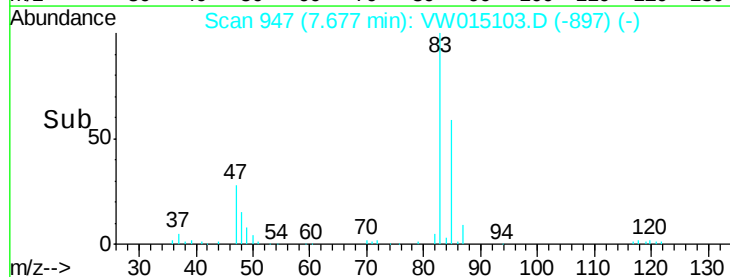
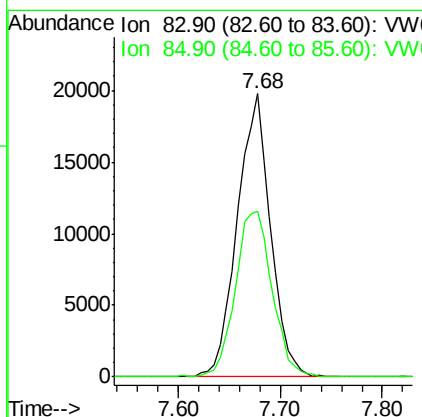
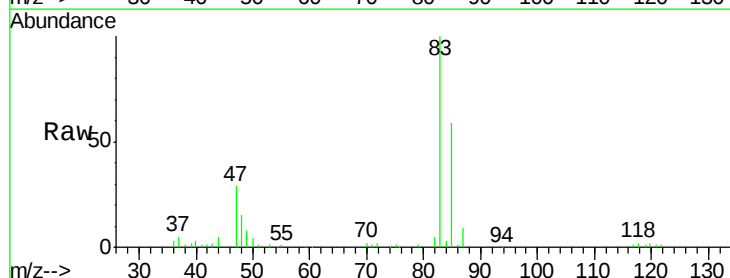
Manual Integrations
APPROVED

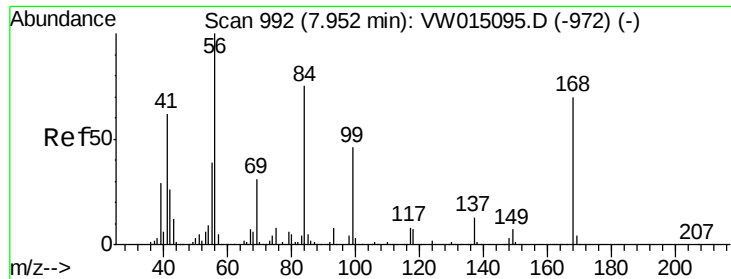
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#30
Chloroform
Concen: 4.550 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.6	51.9	77.9





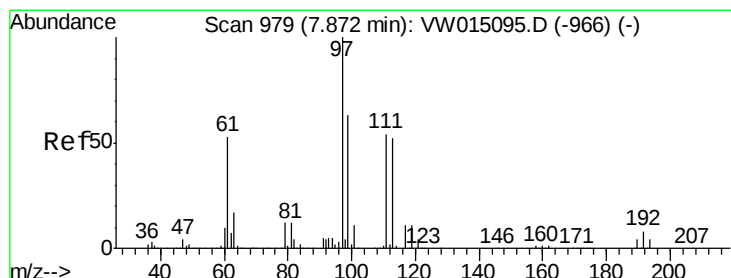
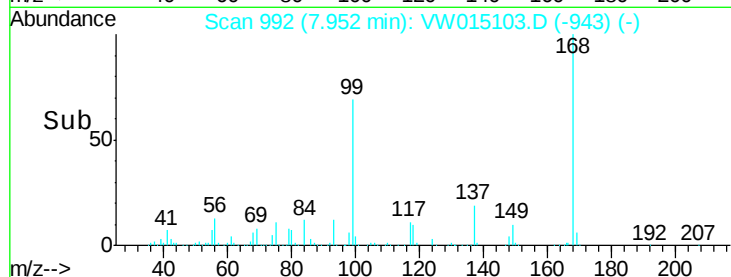
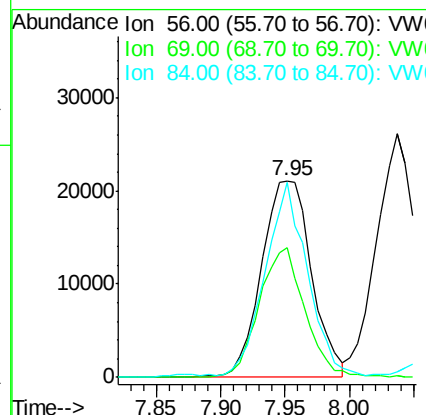
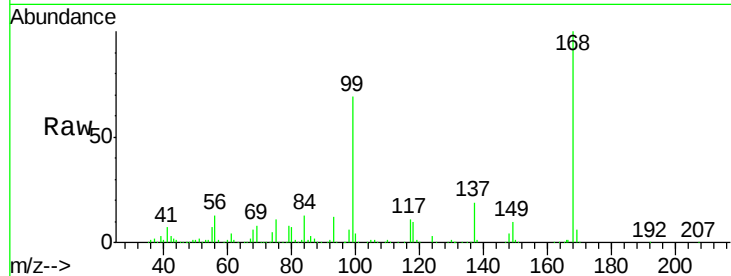
#31
Cyclohexane
Concen: 5.008 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	65.9	24.6	37.0#
84	97.7	59.9	89.9#

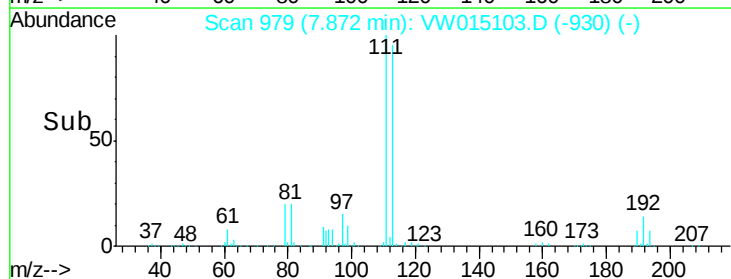
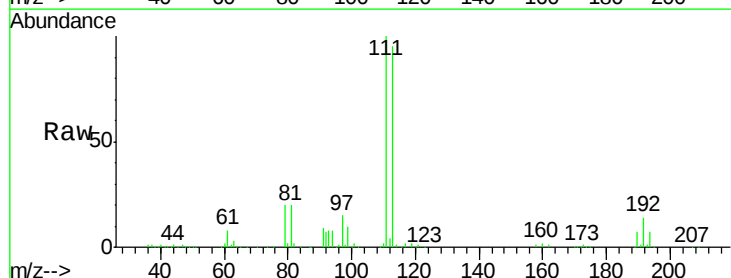
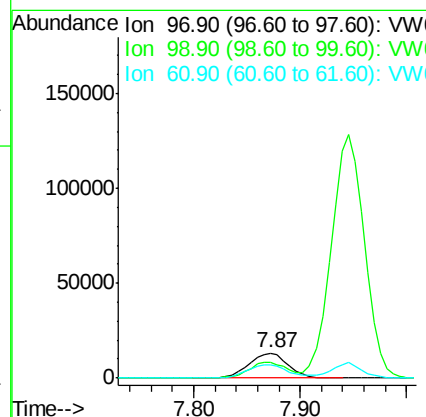
Manual Integrations
APPROVED

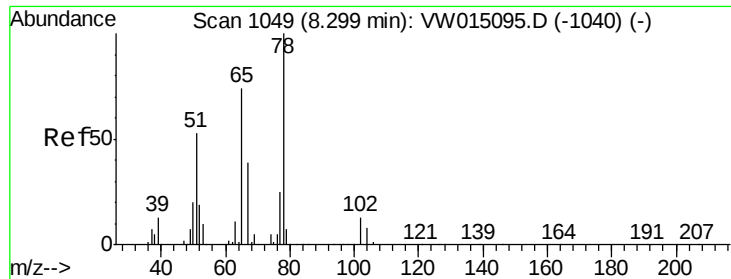
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 4.406 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.3	76.9
61	55.0	44.0	66.0





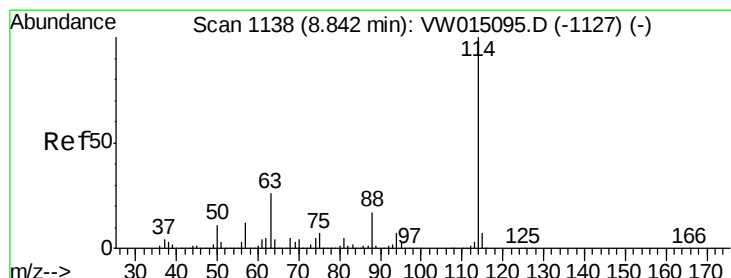
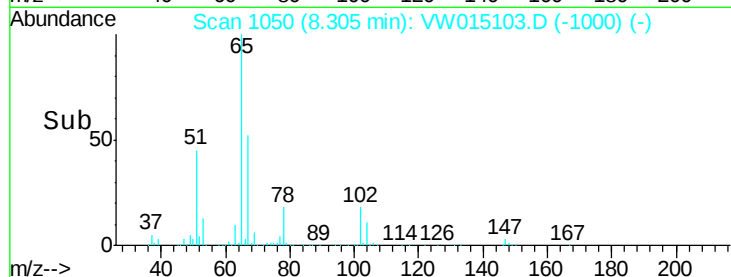
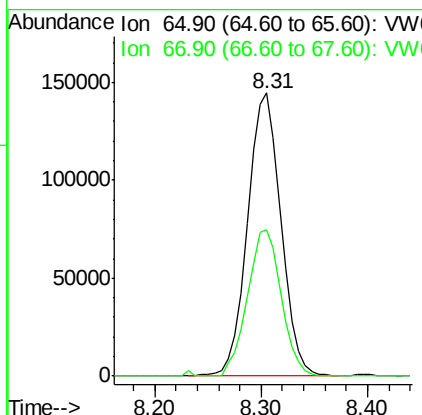
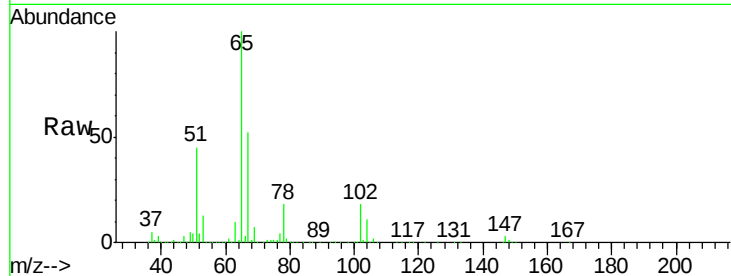
#33
 1,2-Dichloroethane-d4
 Concen: 55.993 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	318776		
67	52.4	0.0	105.0	

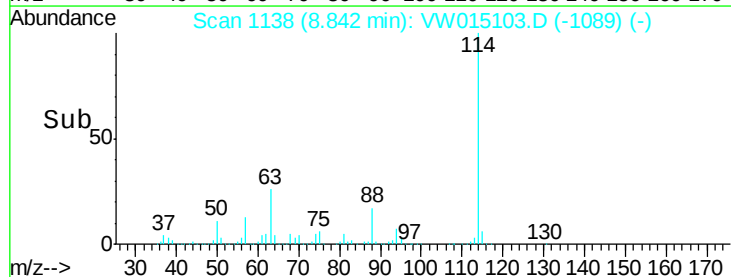
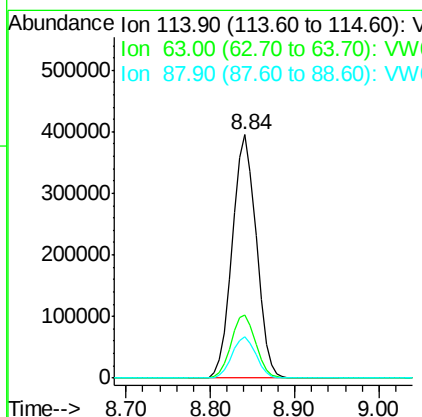
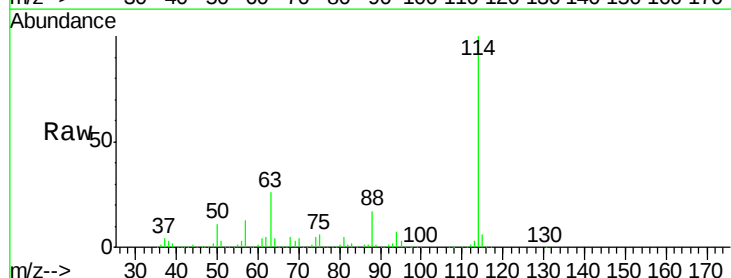
Manual Integrations
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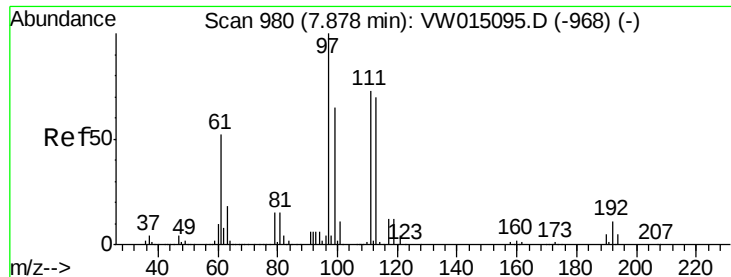
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	762130		
63	26.1	0.0	52.0	
88	16.9	0.0	34.2	





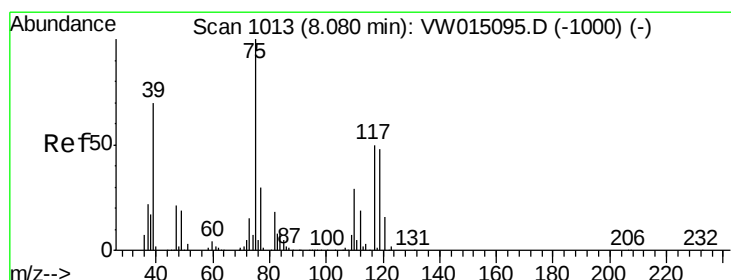
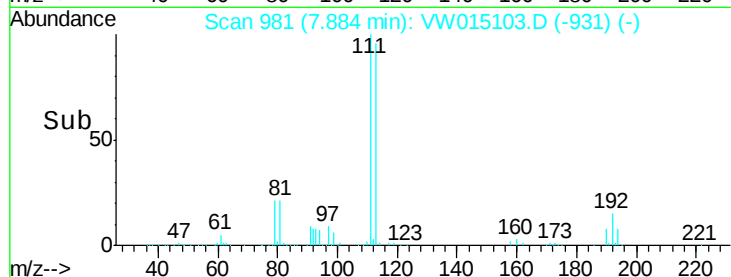
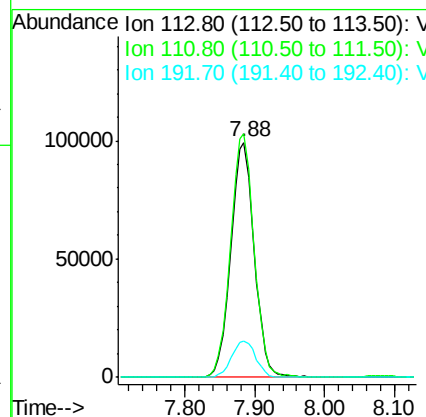
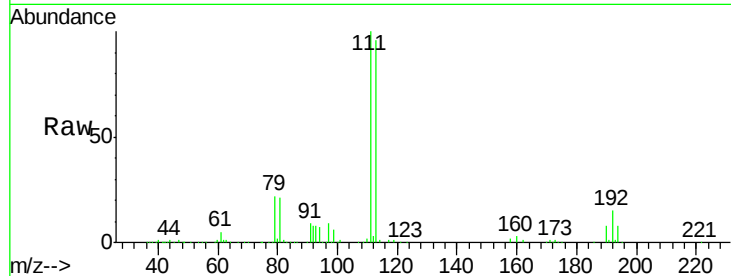
#35
 Dibromofluoromethane
 Concen: 50.455 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	230215		
111	104.3	83.6	125.4	
192	16.0	12.4	18.6	

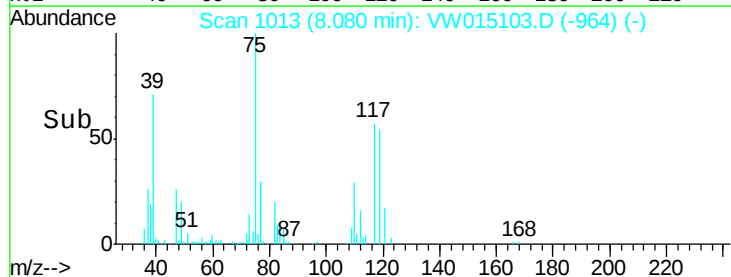
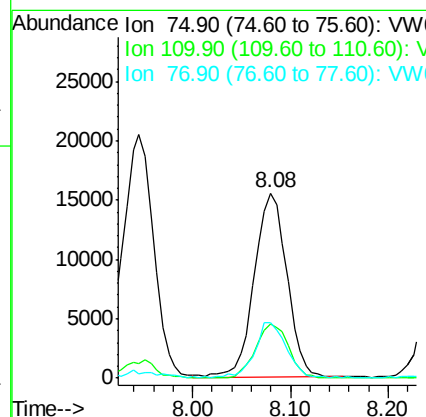
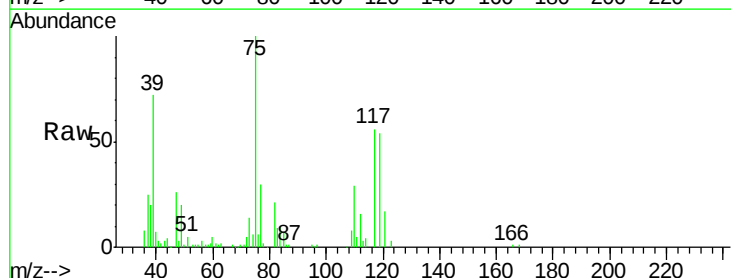
Manual Integrations
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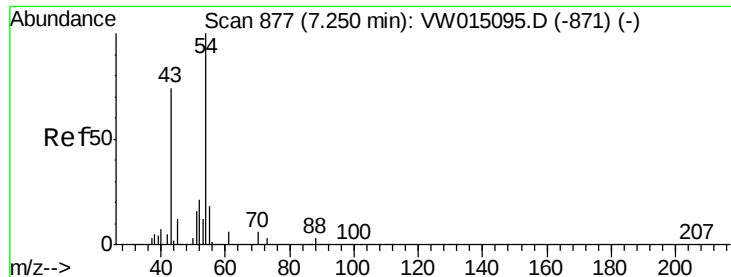
MMDadoda
 3/11/2020 3:24:16 PM



#36
 1,1-Dichloropropene
 Concen: 4.059 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35872		
110	29.9	14.7	44.1	
77	30.1	24.2	36.4	





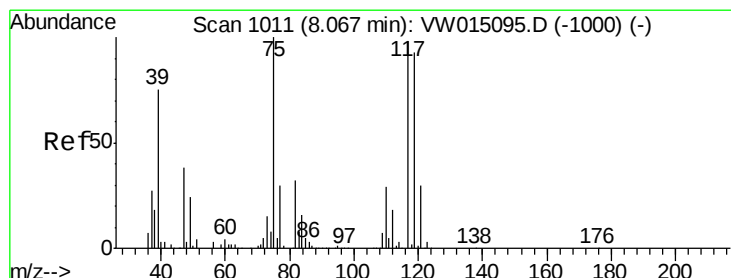
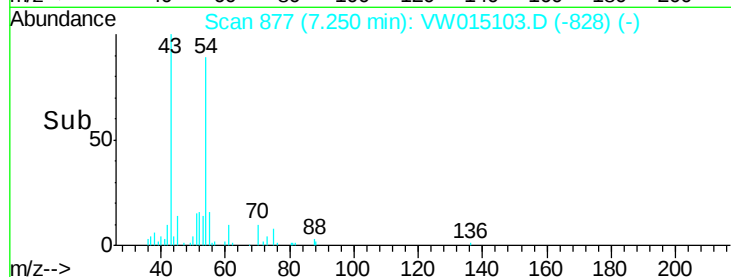
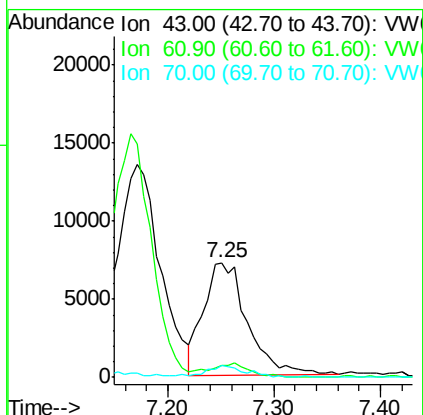
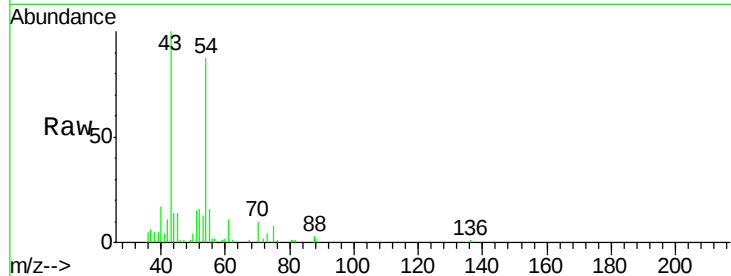
#37
Ethyl Acetate
Concen: 4.626 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.2	9.6	14.4
70	9.6	6.5	9.7

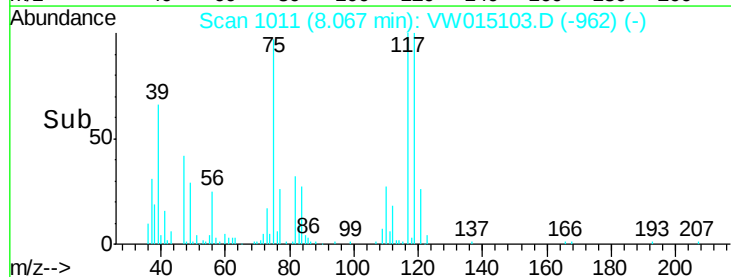
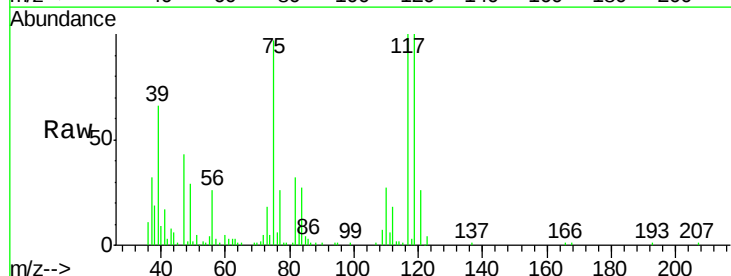
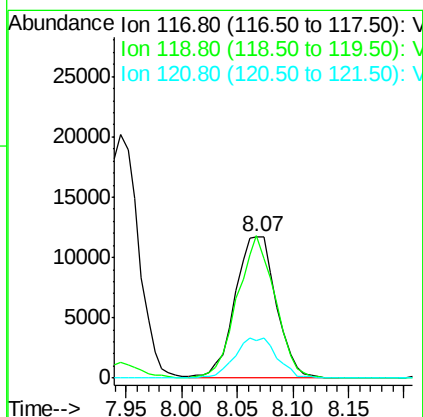
Manual Integrations
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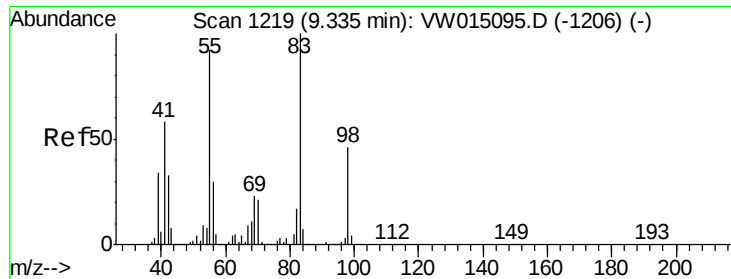
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#38
Carbon Tetrachloride
Concen: 4.177 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.4	75.8	113.8
121	26.2	24.5	36.7





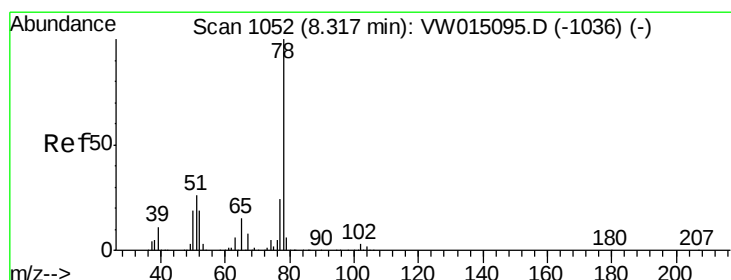
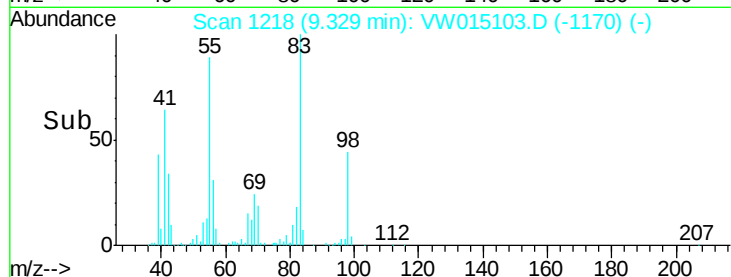
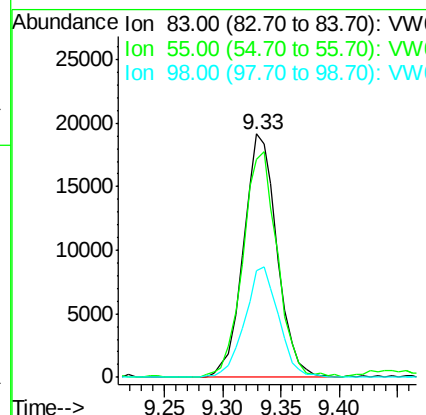
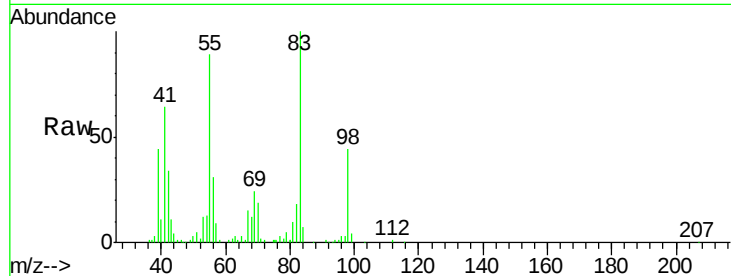
#39
Methvlcvclohexane
Concen: 3.813 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	83	Resp	38530
Ion Ratio	Lower	Upper	
83	100		
55	89.4	73.5	110.3
98	43.9	37.2	55.8

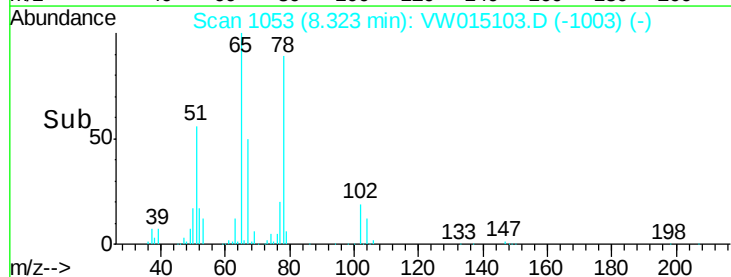
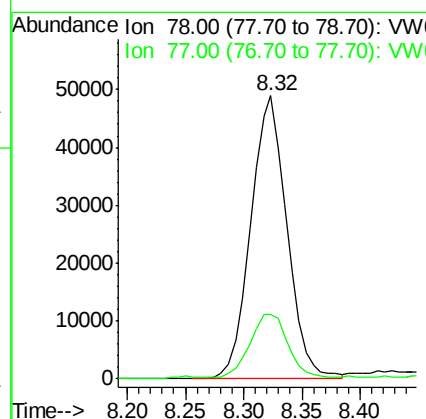
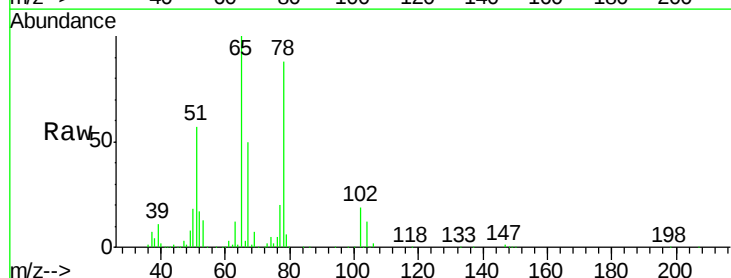
Manual Integrations
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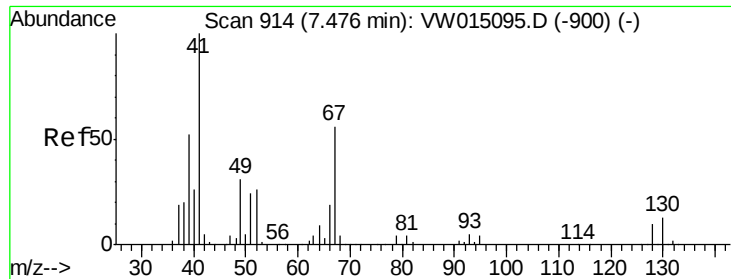
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#40
Benzene
Concen: 4.329 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	78	Resp	106317
Ion Ratio	Lower	Upper	
78	100		
77	22.2	19.5	29.3





#41

Methacrylonitrile

Concen: 3.314 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

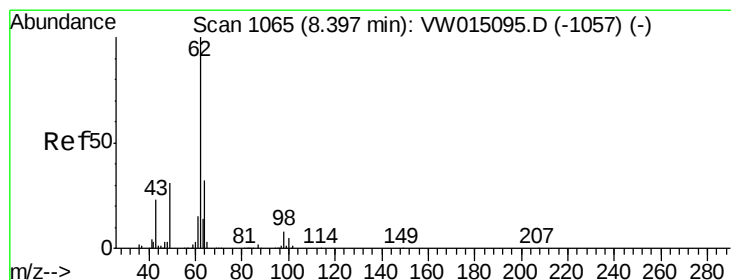
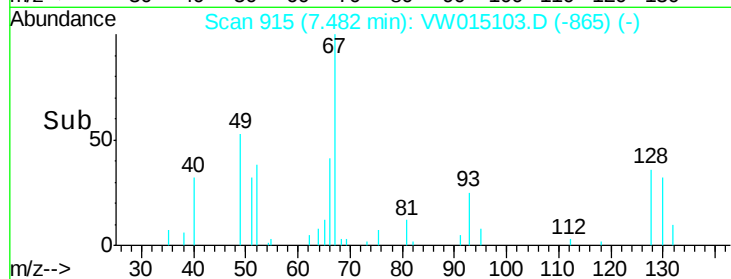
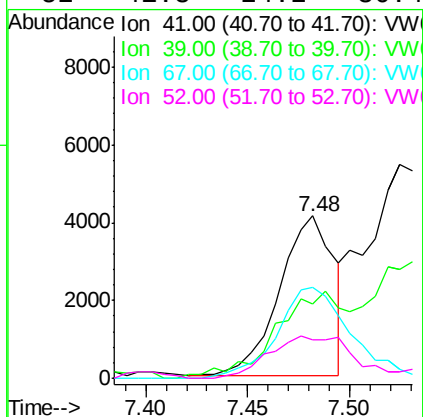
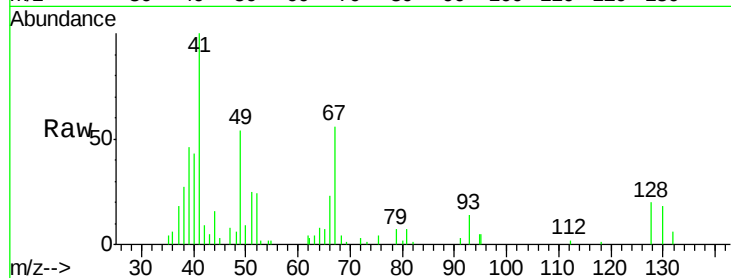
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.8	49.0	73.4
67	77.9	50.4	75.6#
52	41.8	24.2	36.4#

Manual Integrations
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3/11/2020 3:24:16 PM



#42

1,2-Dichloroethane

Concen: 4.414 ug/l

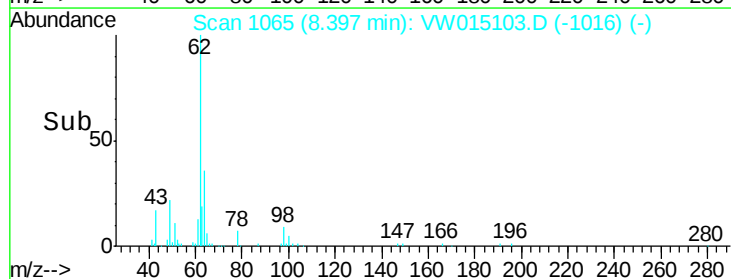
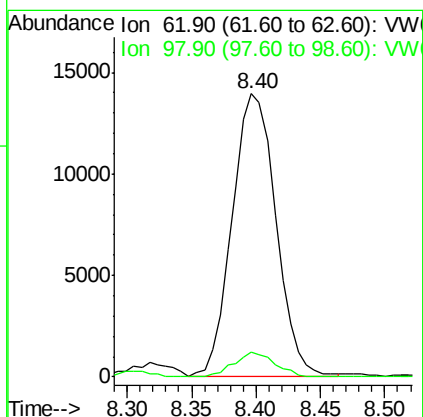
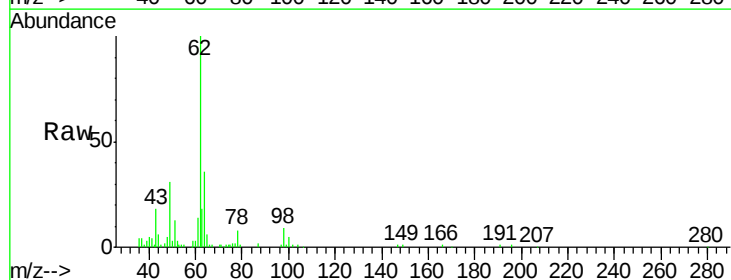
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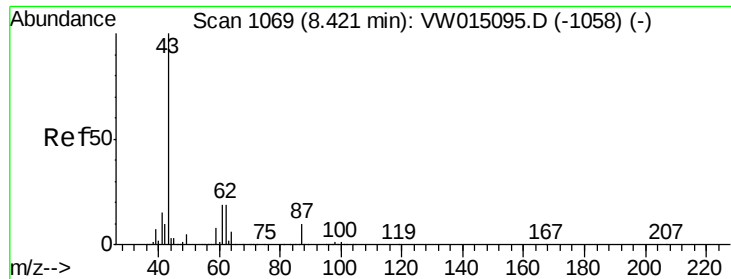
Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.0





#43

Isopropyl Acetate

Concen: 4.206 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

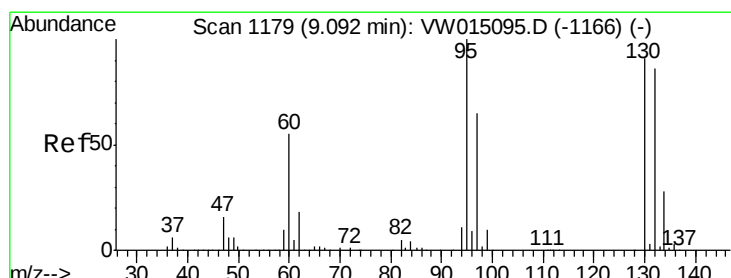
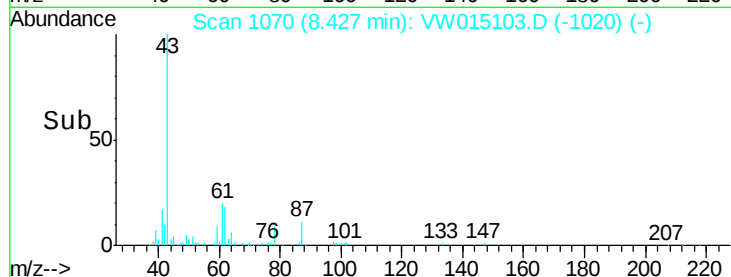
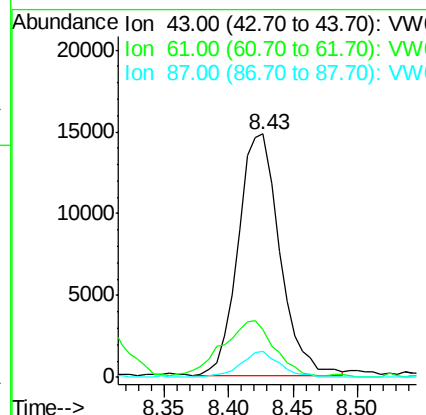
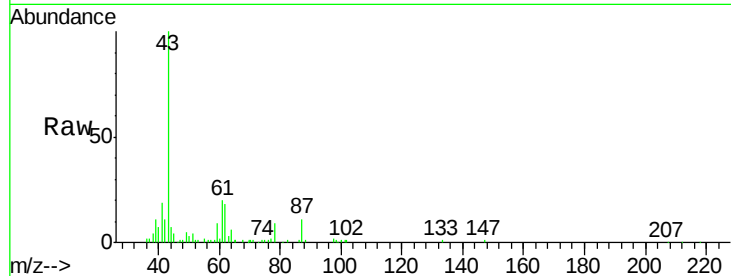
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	43	Resp:	33213
Ion	Ratio	Lower	Upper
43	100		
61	29.8	21.8	32.8
87	9.9	8.0	12.0

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#44

Trichloroethene

Concen: 4.083 ug/l

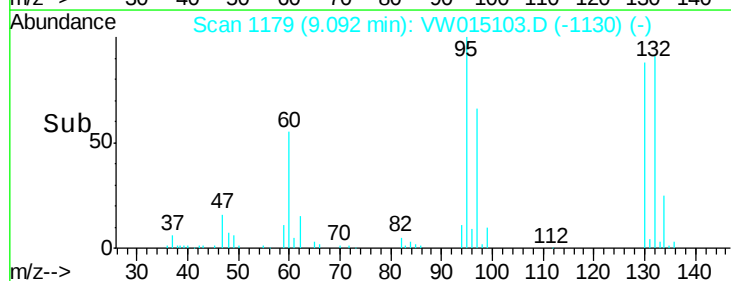
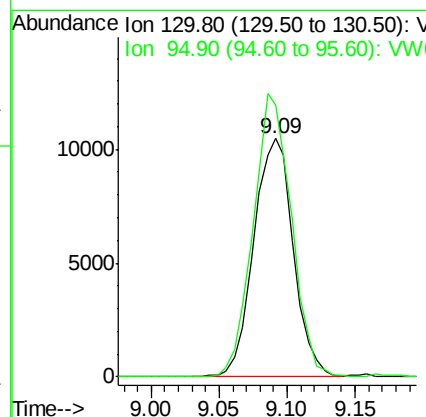
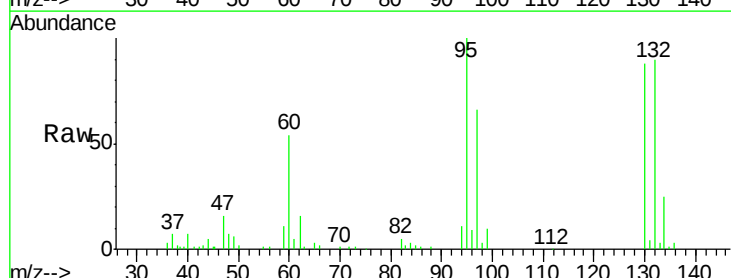
RT: 9.09 min Scan# 1179

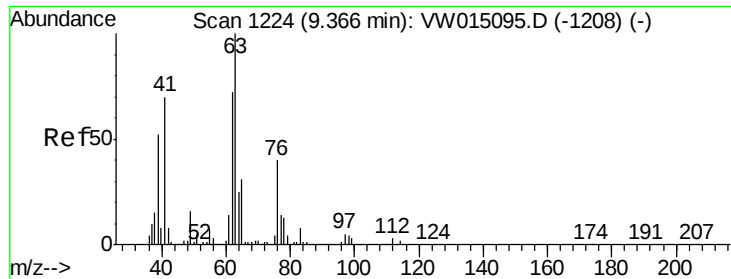
Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion:	130	Resp:	21349
Ion	Ratio	Lower	Upper
130	100		
95	114.1	0.0	219.8





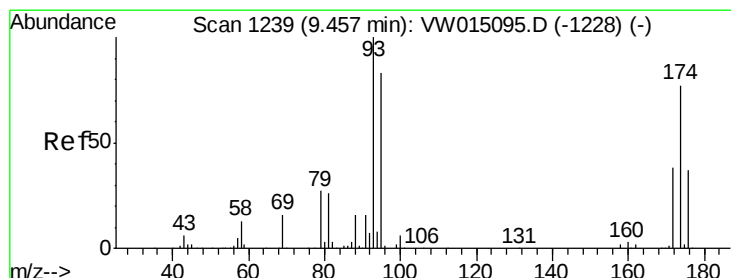
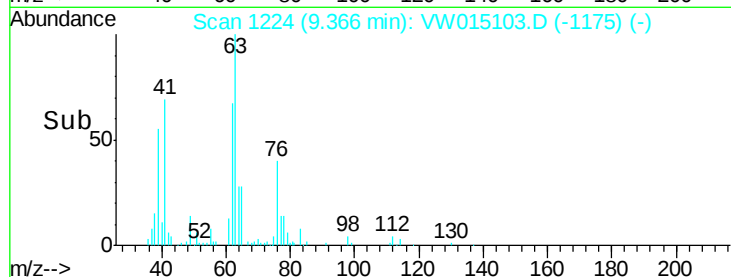
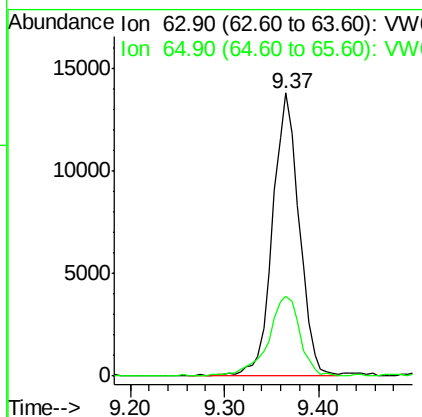
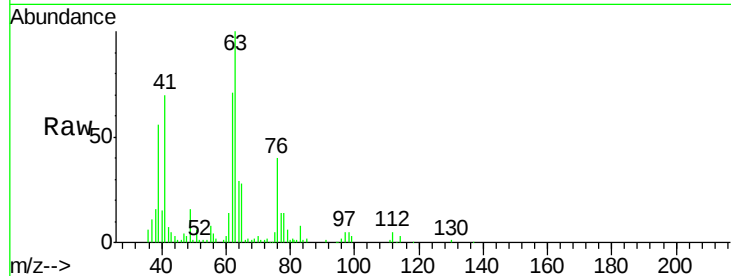
#45
 1,2-Dichloropropane
 Concen: 4.120 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 63 Resp: 27252
 Ion Ratio Lower Upper
 63 100
 65 28.4 24.6 36.8

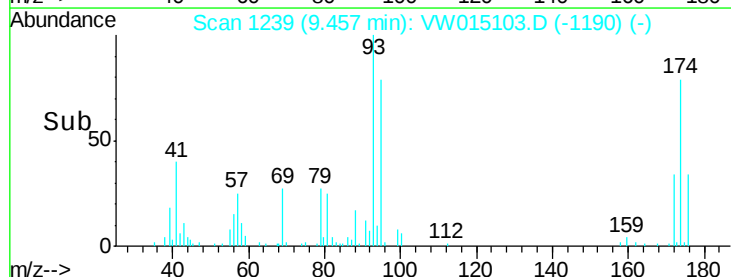
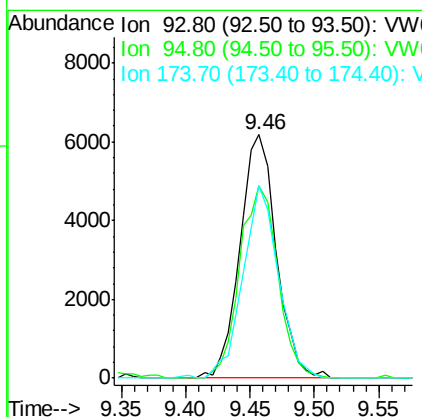
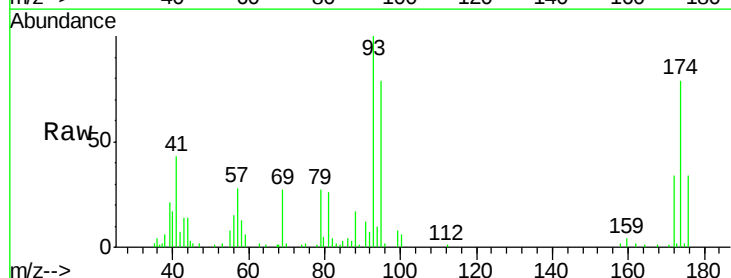
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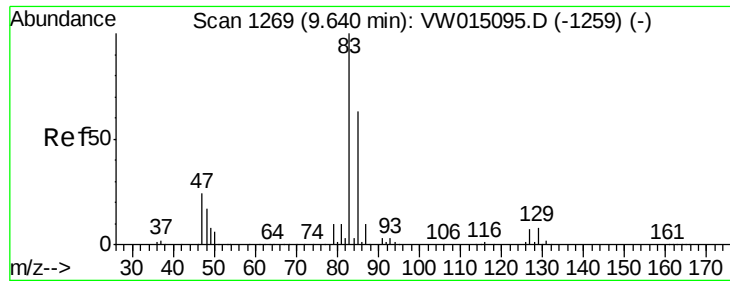
MMDadoda
 3/11/2020 3:24:16 PM



#46
 Dibromomethane
 Concen: 4.194 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion: 93 Resp: 12064
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.6 100.0
 174 76.9 60.6 91.0





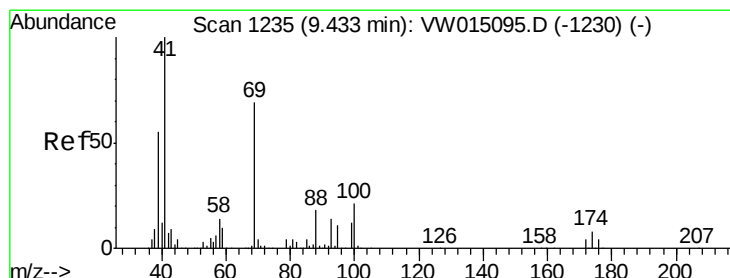
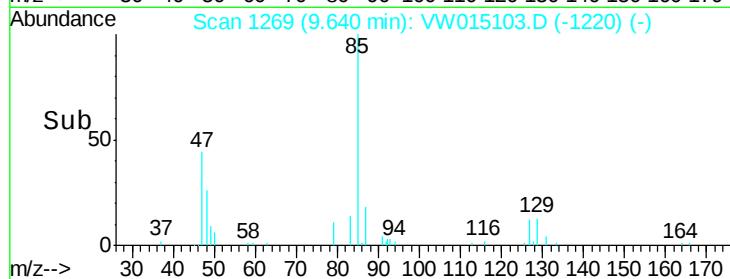
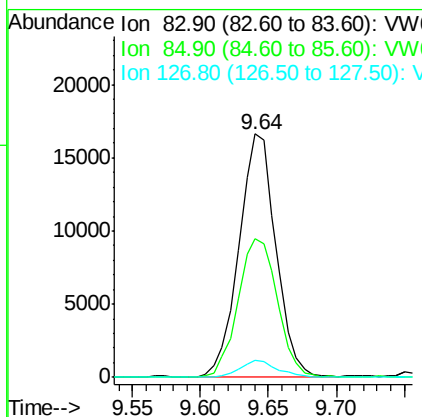
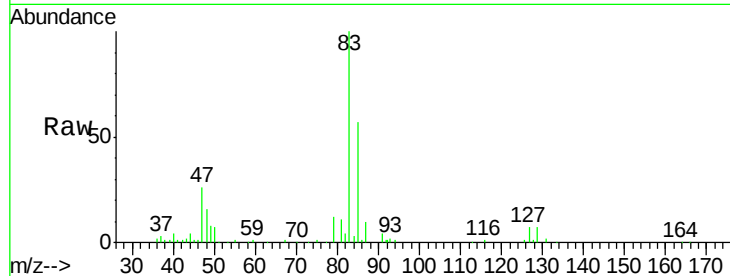
#47
Bromodichloromethane
Concen: 4.126 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	83	Resp	31680
Ion Ratio	100	Lower	Upper
85	56.9	50.7	76.1
127	6.9	5.5	8.3

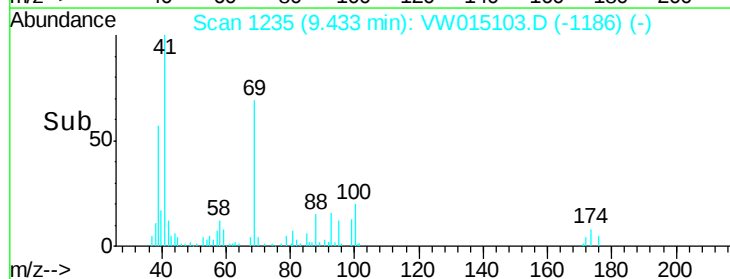
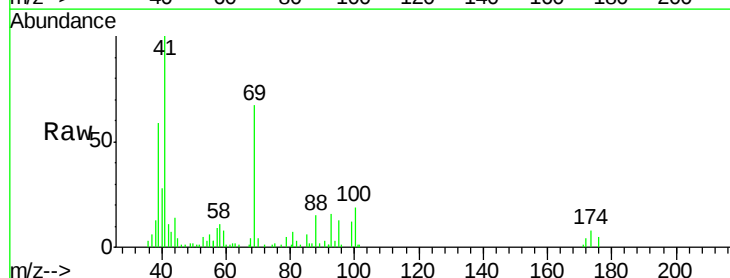
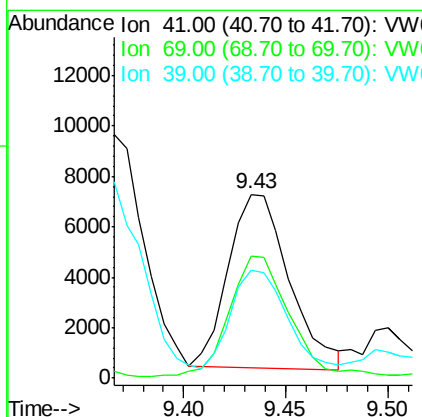
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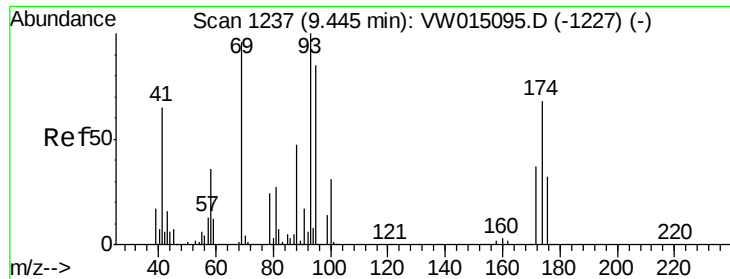
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#48
Methyl methacrylate
Concen: 3.915 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	41	Resp	14268
Ion Ratio	100	Lower	Upper
69	72.7	58.7	88.1
39	53.3	45.1	67.7





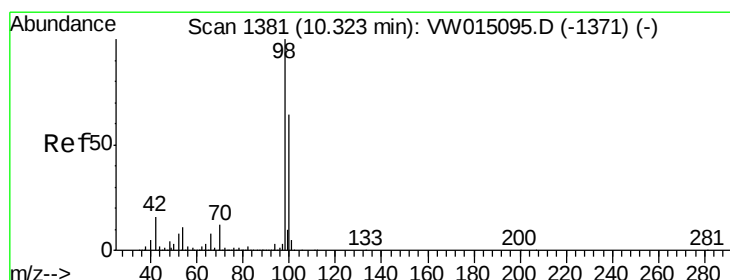
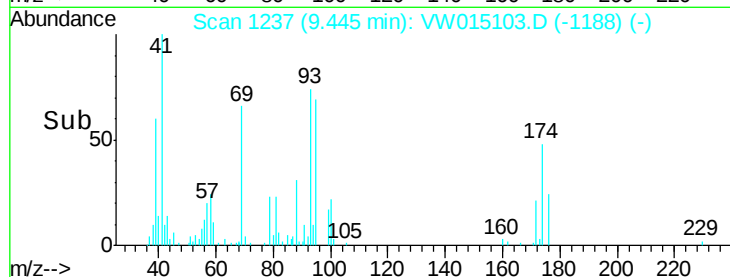
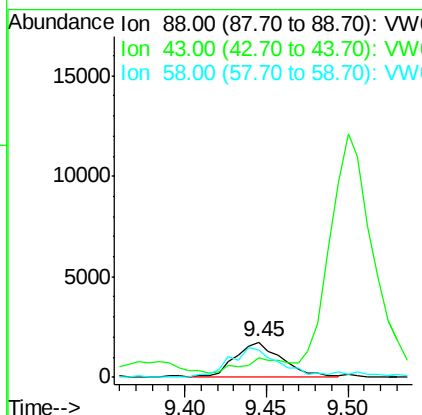
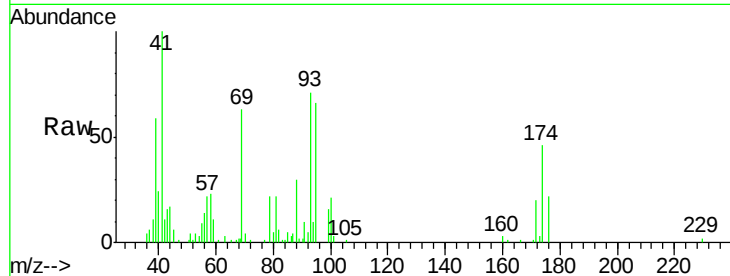
#49
1,4-Dioxane
Concen: 79.459 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	88	Resp	3499
Ion	Ratio	Lower	Upper
88	100		
43	41.3	35.8	53.8
58	88.5	64.0	96.0

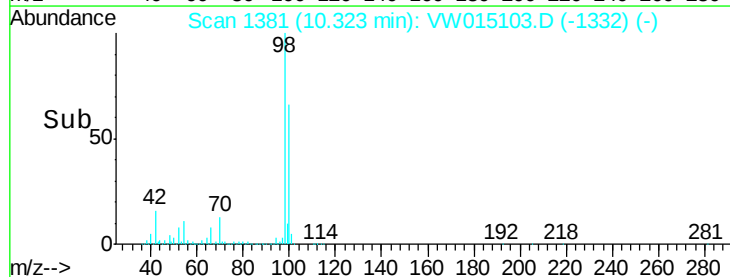
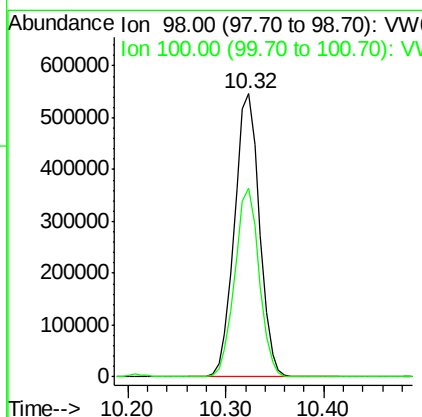
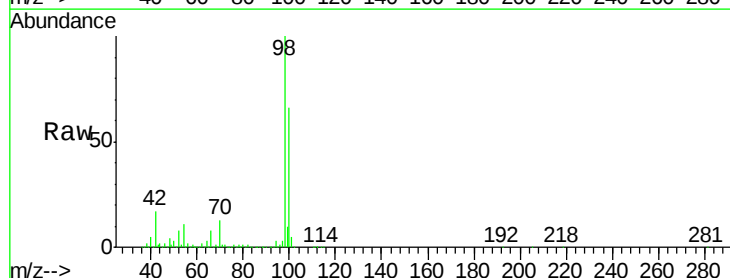
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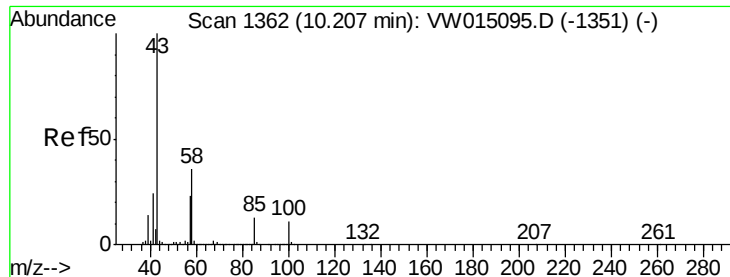
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#50
Toluene-d8
Concen: 50.732 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	98	Resp	969371
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 20.033 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampled :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 87384

Ion Ratio Lower Upper

43 100

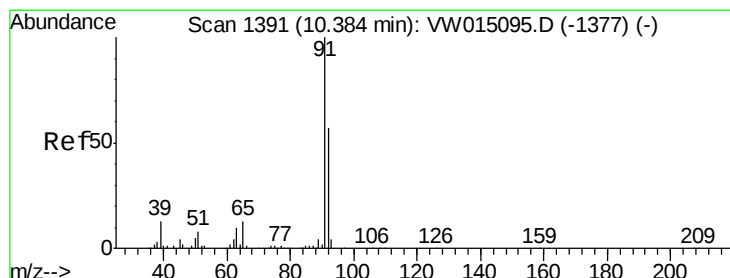
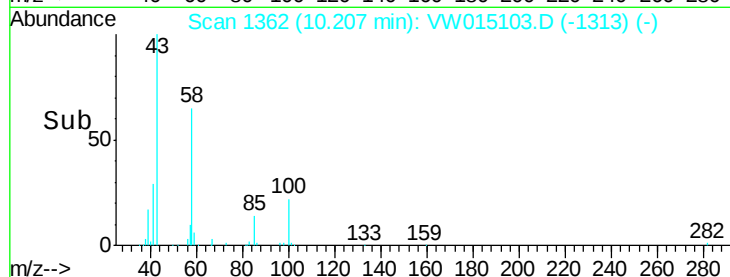
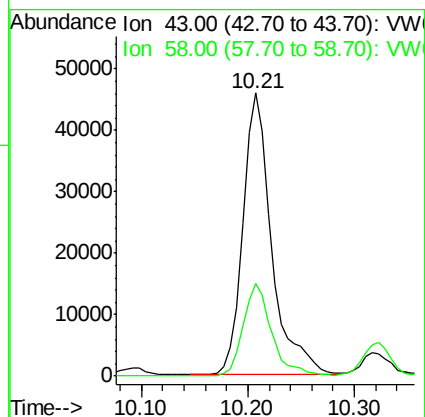
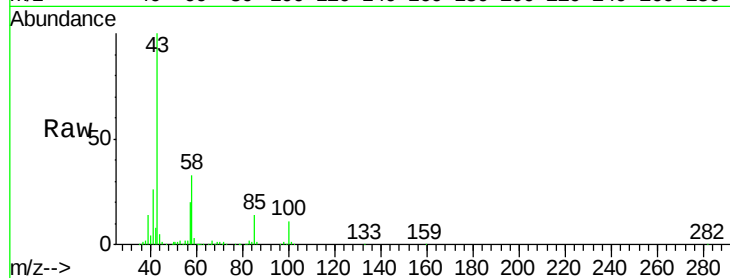
58 32.6 28.0 42.0

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#52

Toluene

Concen: 4.140 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015103.D

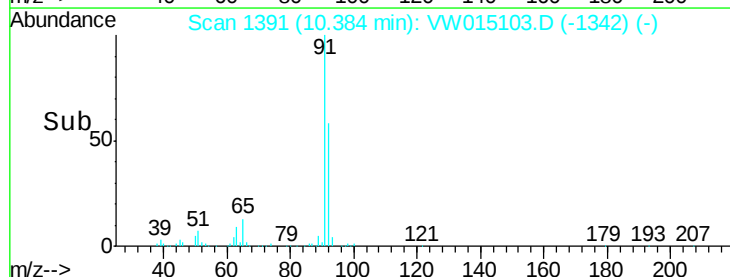
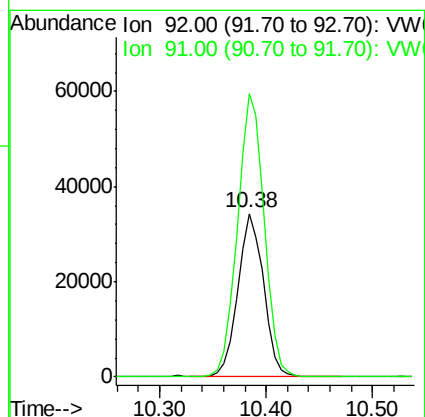
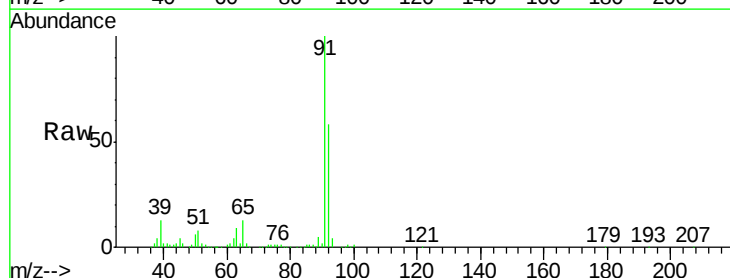
Acq: 09 Mar 2020 17:49

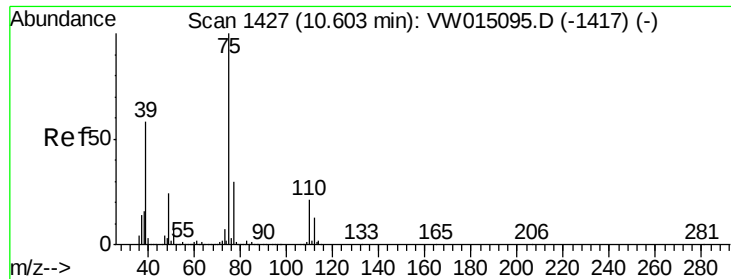
Tgt Ion: 92 Resp: 58417

Ion Ratio Lower Upper

92 100

91 178.1 138.9 208.3





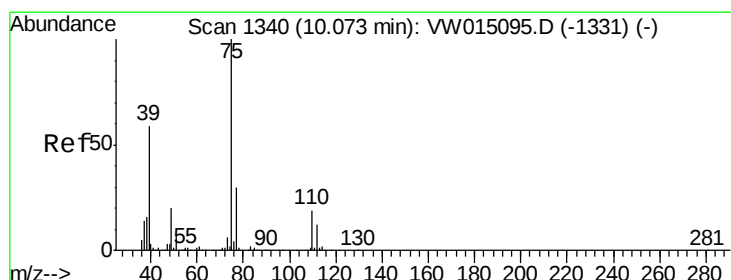
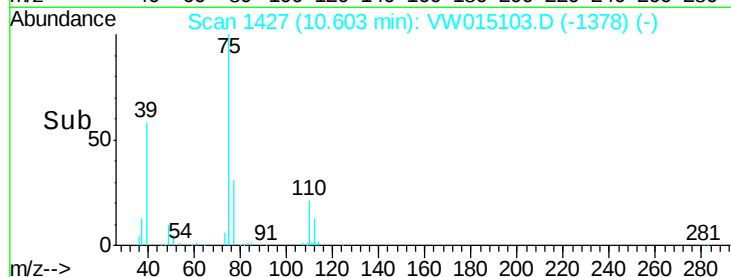
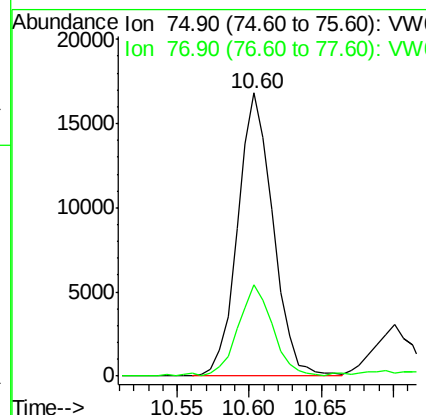
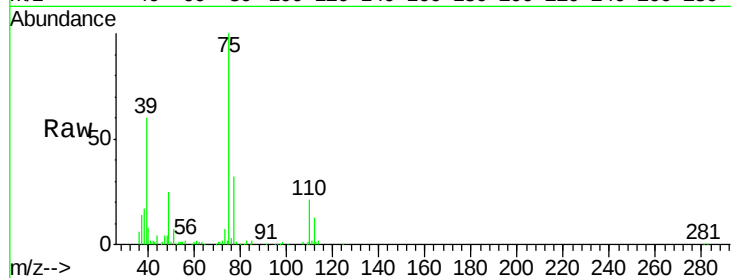
#53
t-1,3-Dichloropropene
Concen: 3.791 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.4	36.6

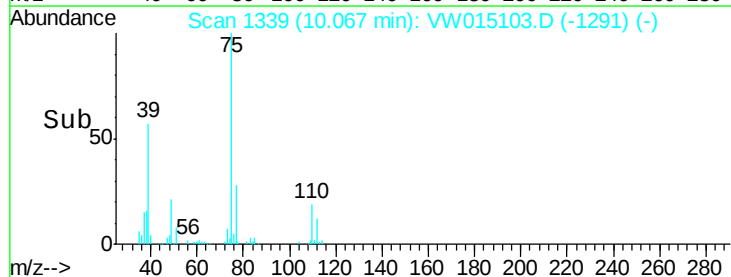
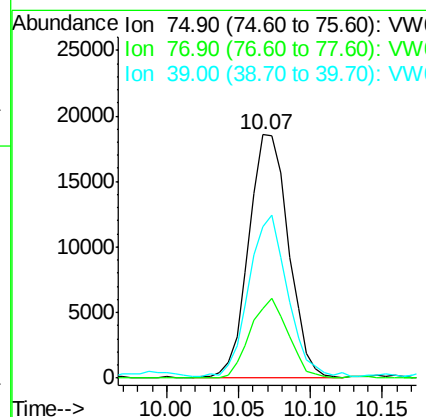
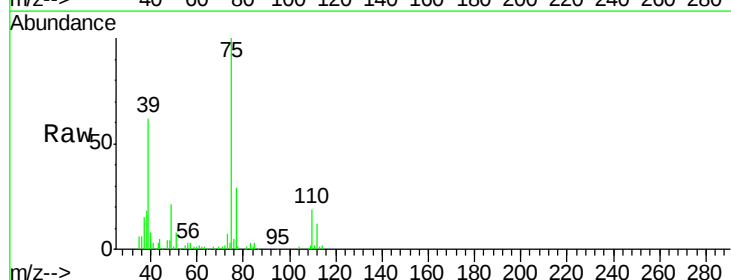
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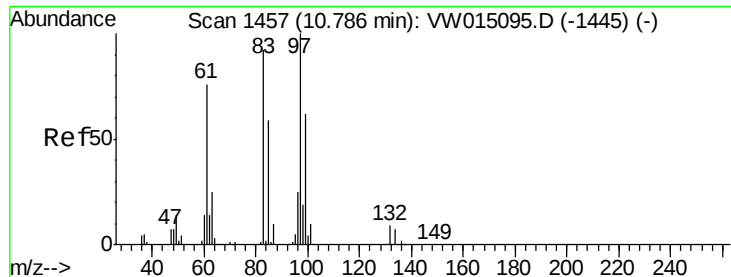
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#54
cis-1,3-Dichloropropene
Concen: 3.871 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.4	24.3	36.5
39	61.6	47.0	70.6





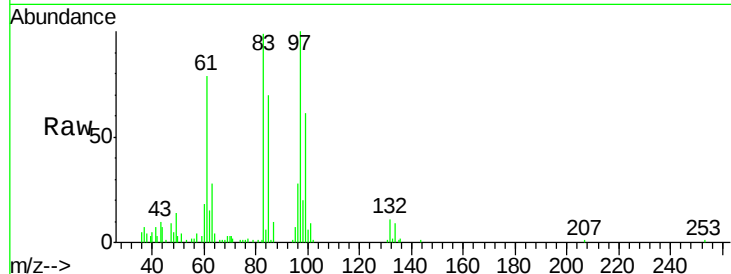
#55
 1,1,2-Trichloroethane
 Concen: 4.108 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

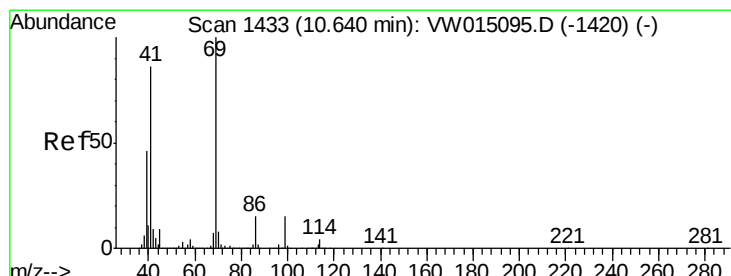
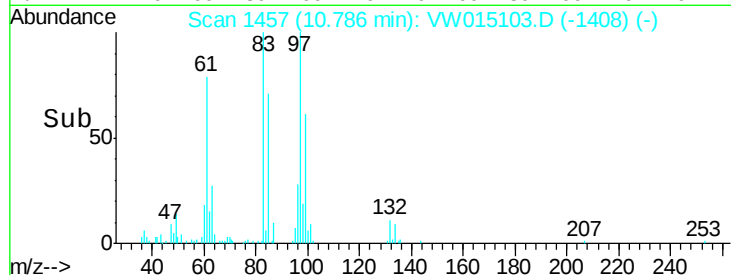
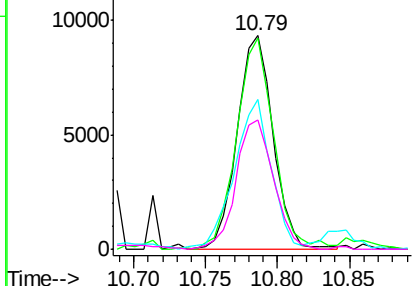
Tot Ion:	97	Resp:	16189
Ion	Ratio	Lower	Upper
97	100		
83	98.3	74.0	111.0
85	69.2	46.9	70.3
99	60.6	49.8	74.8

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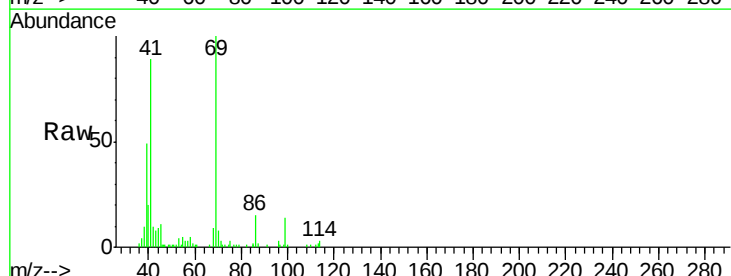


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

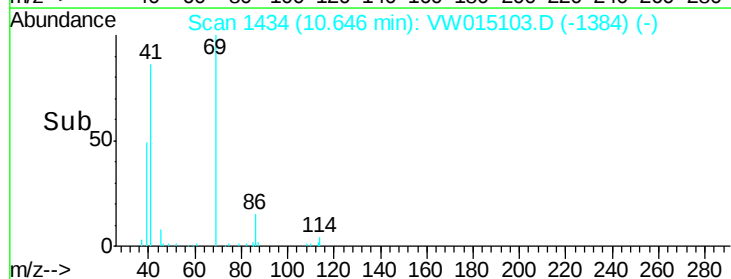
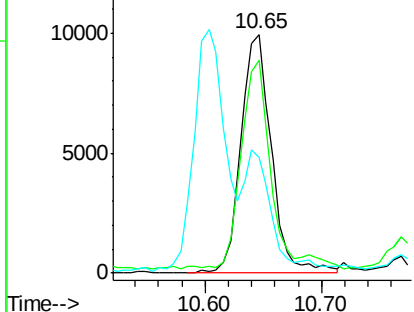


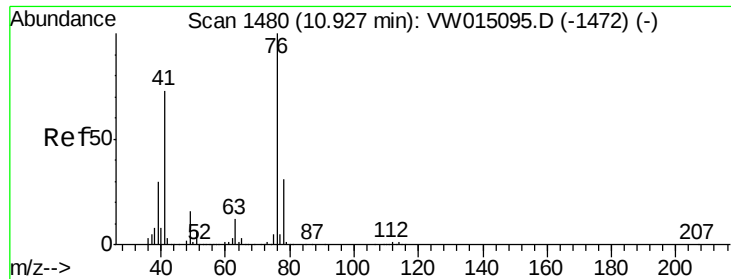
#56
 Ethyl methacrylate
 Concen: 3.603 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion:	69	Resp:	18324
Ion	Ratio	Lower	Upper
69	100		
41	79.3	65.8	98.6
39	41.2	31.2	46.8



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 4.089 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 76 Resp: 30682

Ion Ratio Lower Upper

76 100

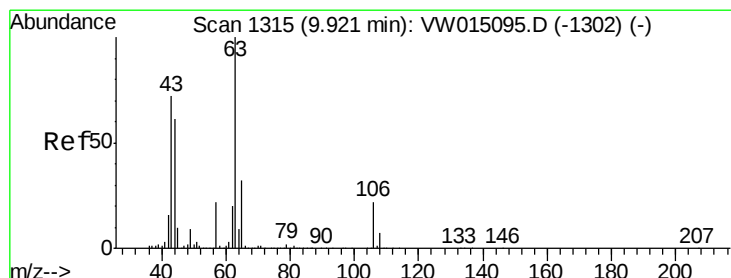
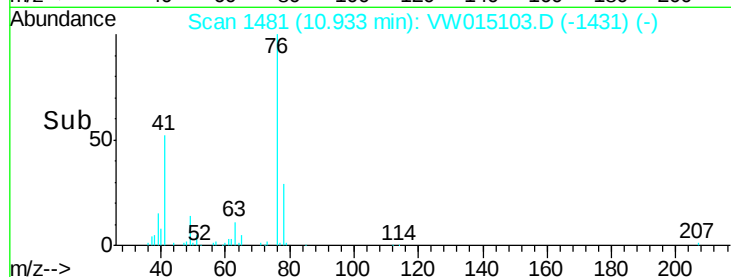
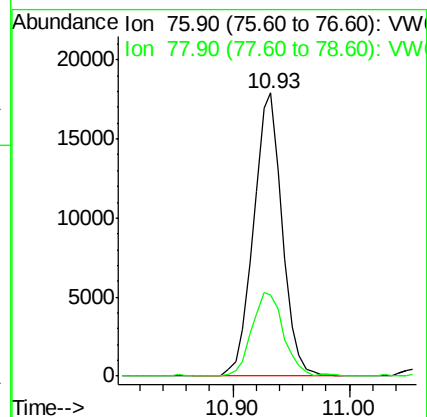
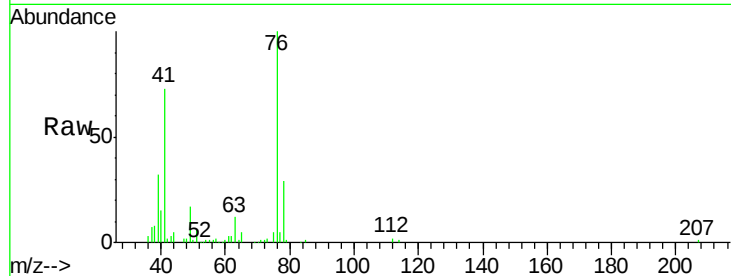
78 32.8 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 19.145 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW015103.D

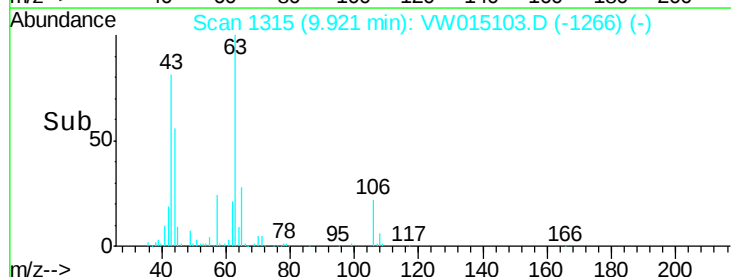
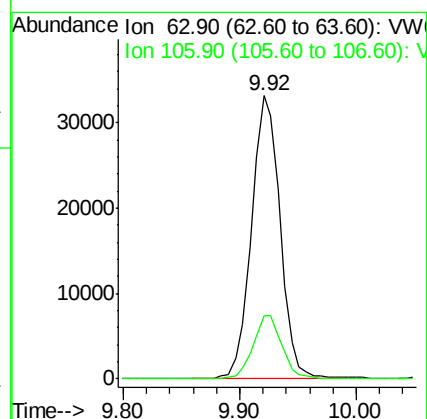
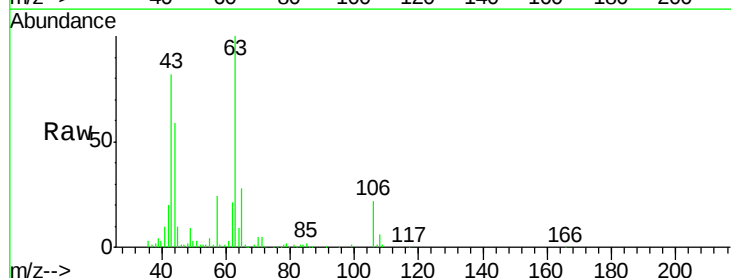
Acq: 09 Mar 2020 17:49

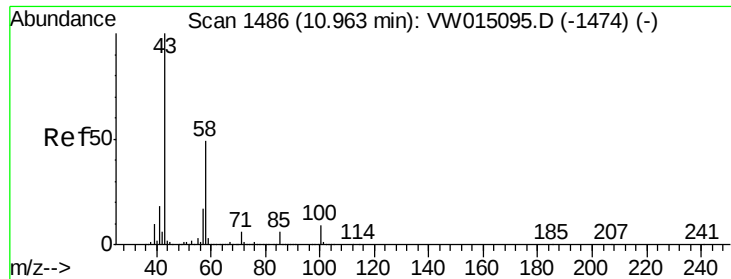
Tgt Ion: 63 Resp: 57123

Ion Ratio Lower Upper

63 100

106 22.3 18.0 27.0





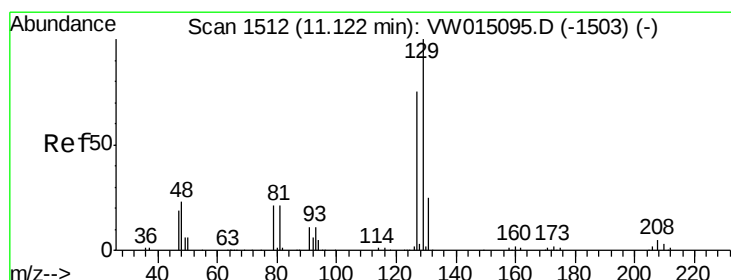
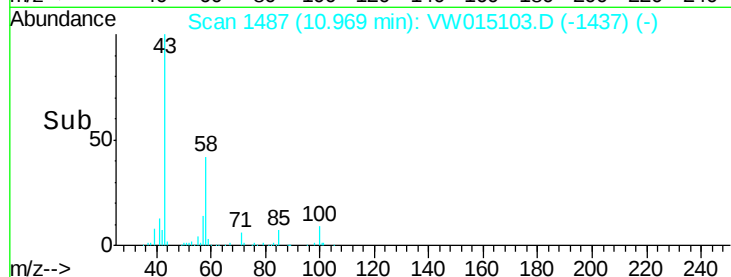
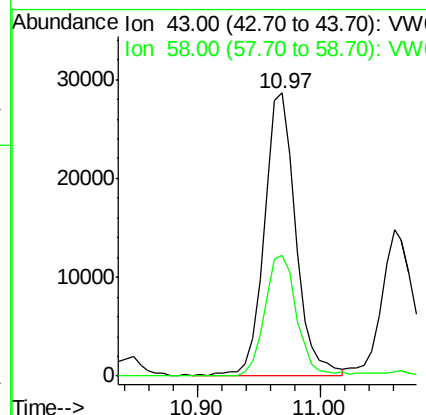
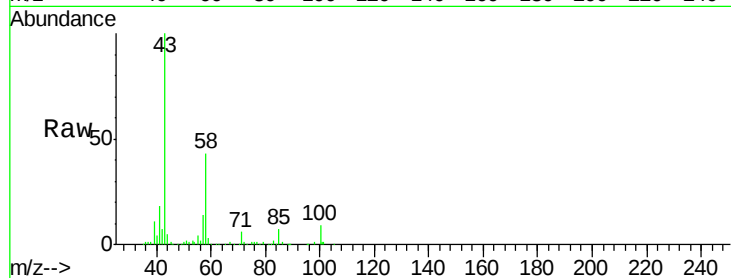
#59
2-Hexanone
Concen: 18.896 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 51484
Ion Ratio Lower Upper
43 100
58 43.5 24.6 73.8

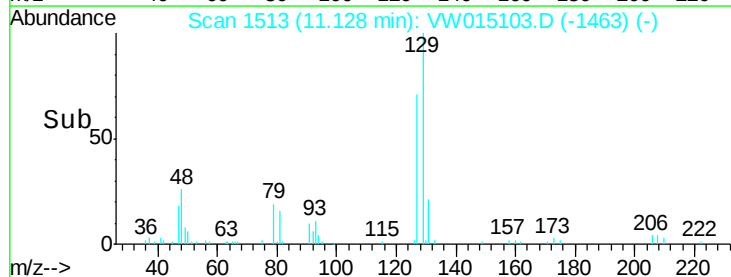
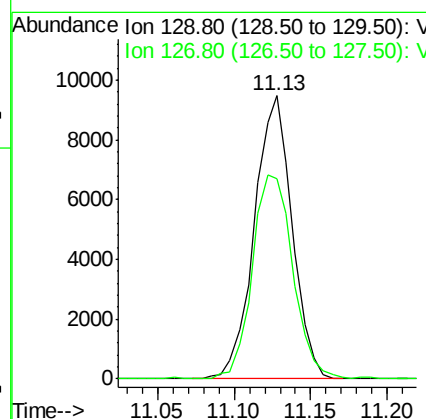
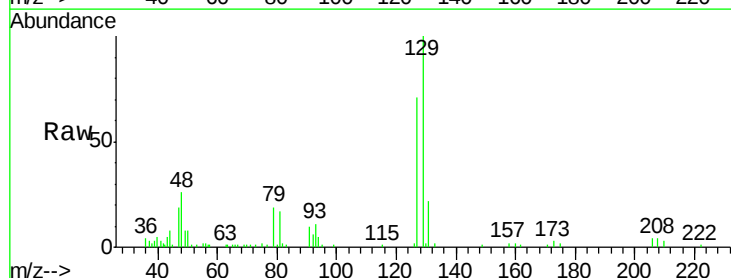
Manual Integrations
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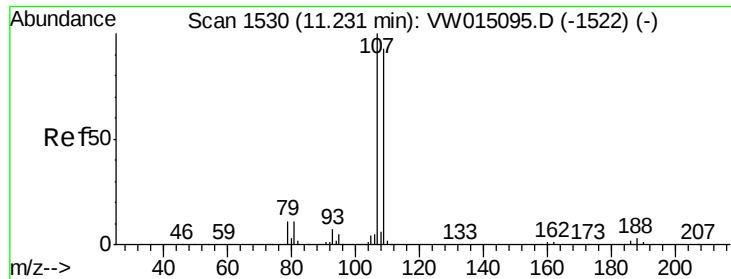
MMDadoda
3/11/2020 3:24:16 PM



#60
Dibromochloromethane
Concen: 3.994 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion: 129 Resp: 16257
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1





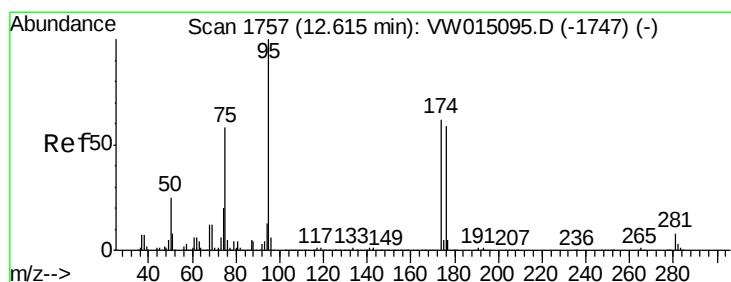
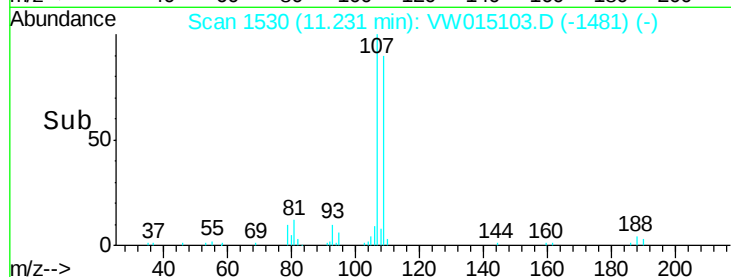
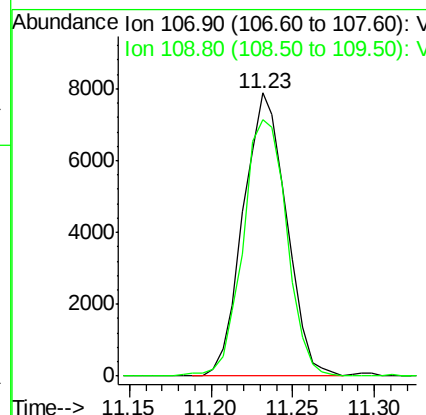
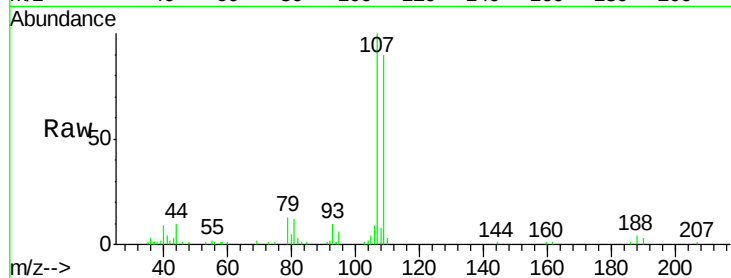
#61
 1,2-Dibromoethane
 Concen: 4.148 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.3	112.9

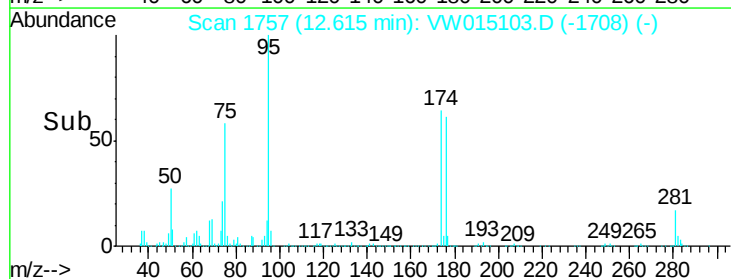
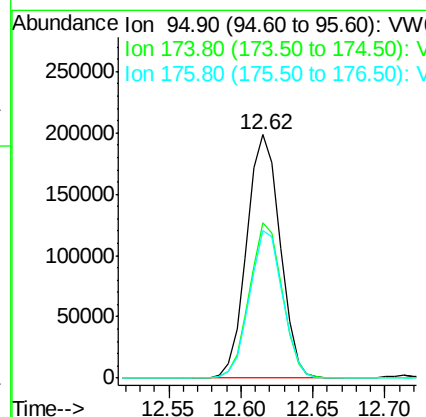
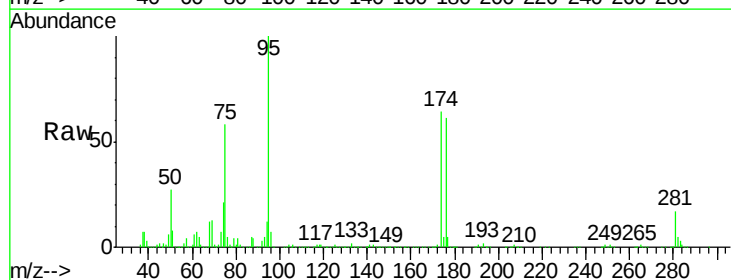
Manual Integrations
 APPROVED

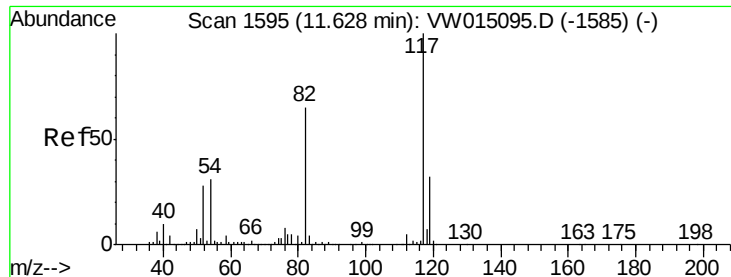
MMDadoda
 3/11/2020 3:24:16 PM



#62
 4-Bromofluorobenzene
 Concen: 50.139 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	62.4	0.0	126.8
176	60.2	0.0	121.6





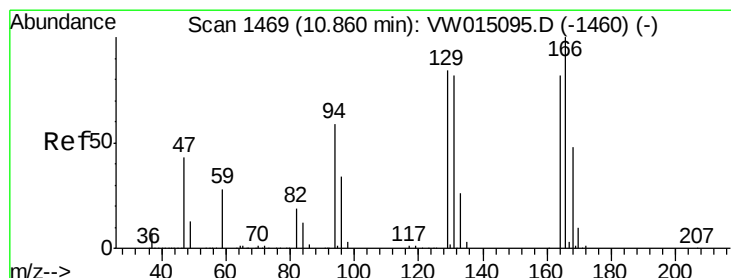
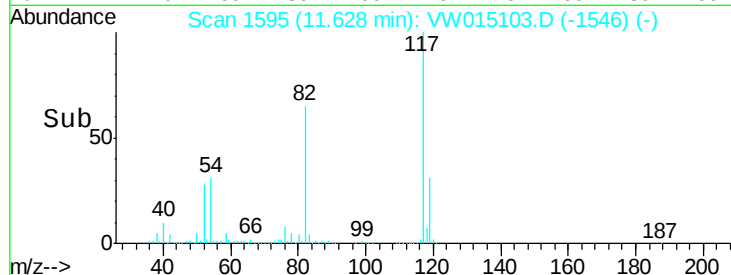
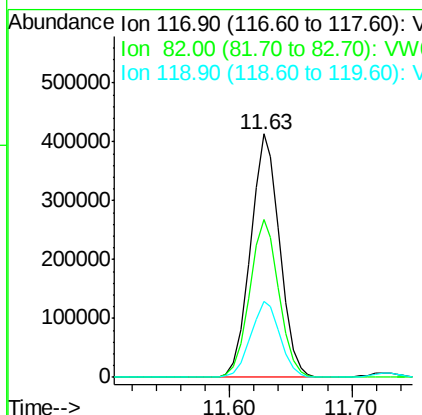
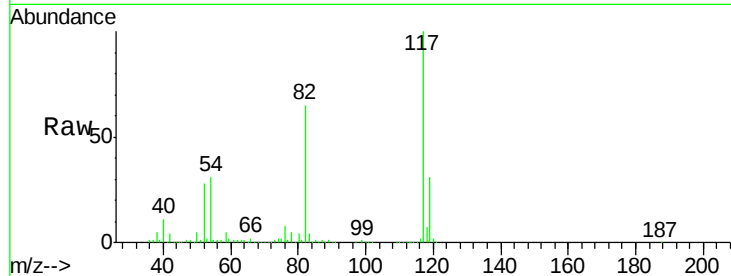
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.6	52.2	78.2
119	31.2	25.4	38.0

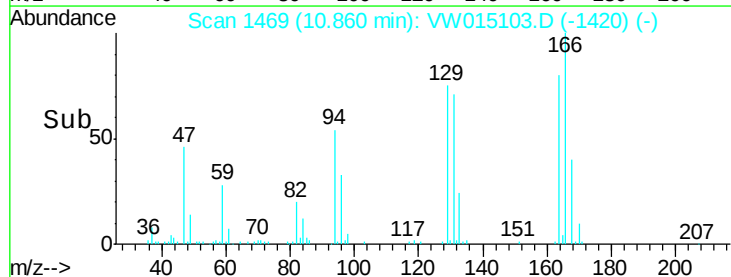
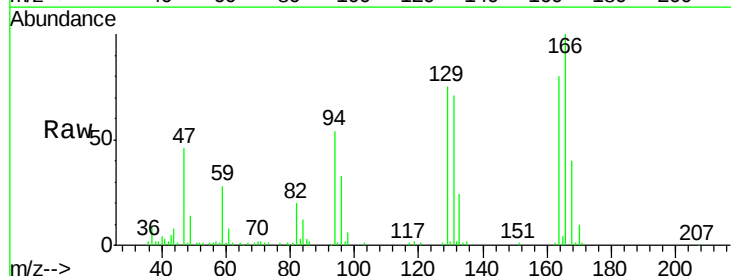
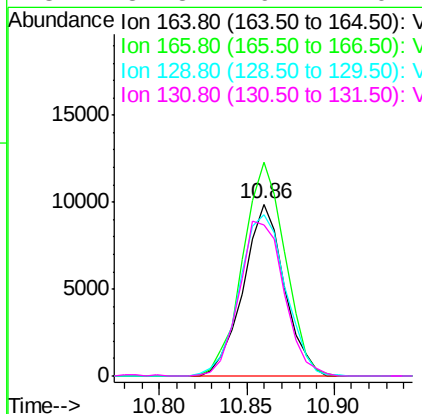
Manual Integrations
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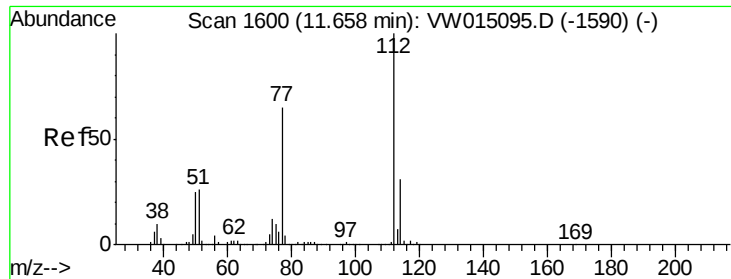
MMDadoda
3/11/2020 3:24:16 PM



#64
Tetrachloroethene
Concen: 4.089 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	97.0	145.6
129	93.7	81.2	121.8
131	87.8	79.4	119.2





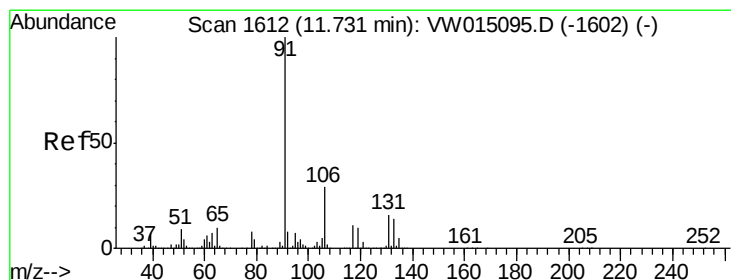
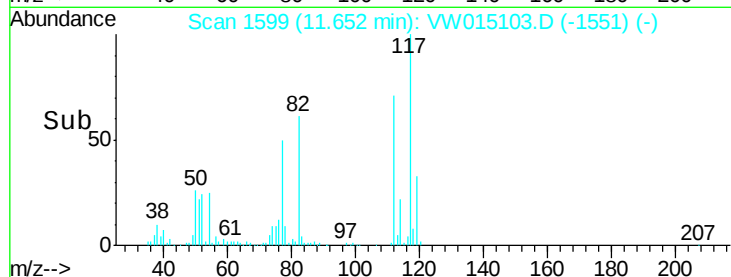
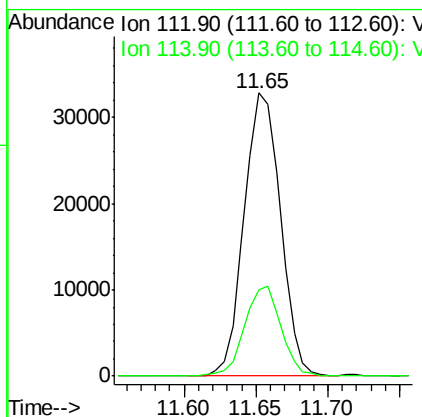
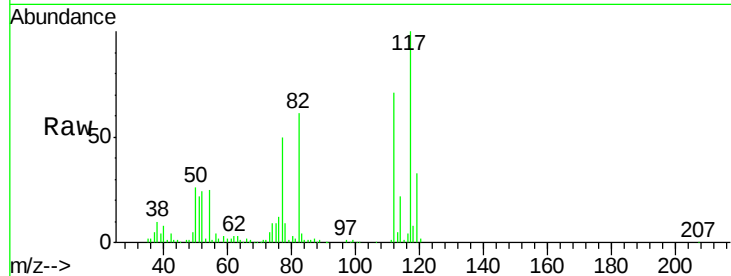
#65
Chlorobenzene
Concen: 4.202 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.0	37.6

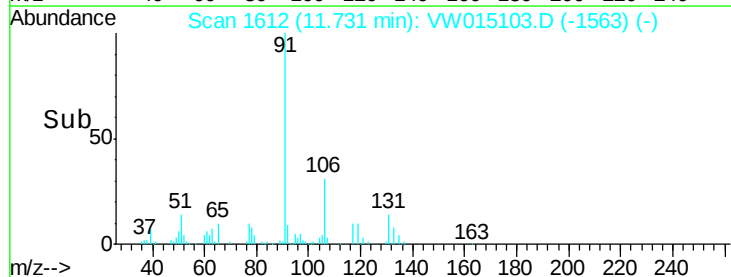
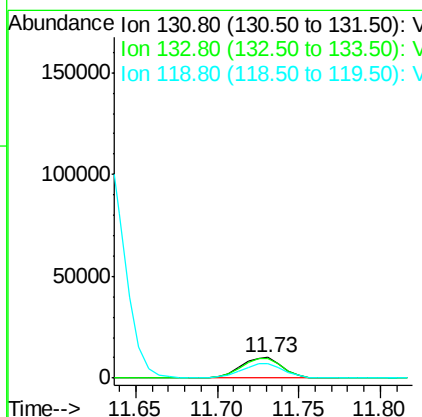
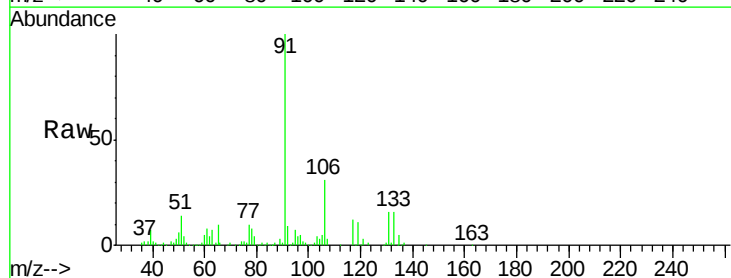
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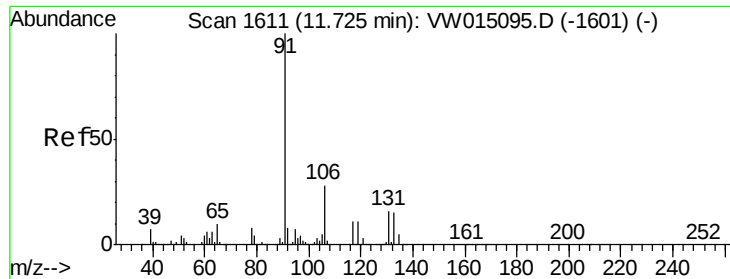
MMDadoda
3/11/2020 3:24:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 3.917 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.3	141.8
119	71.7	34.0	101.8





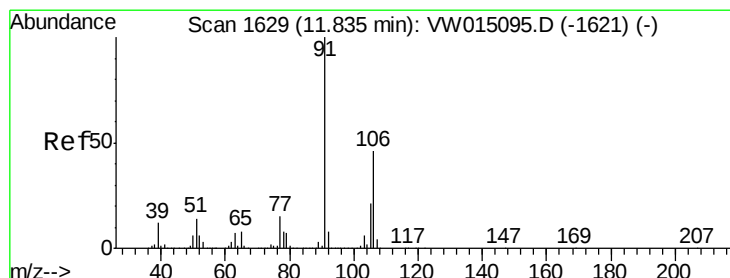
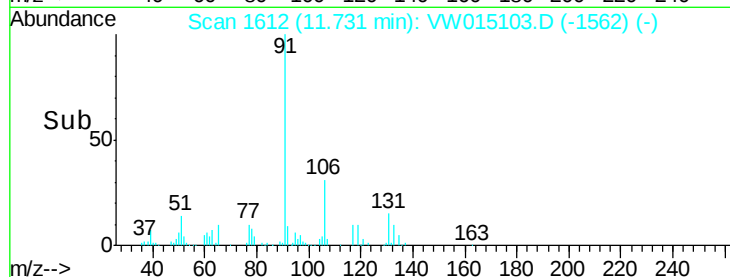
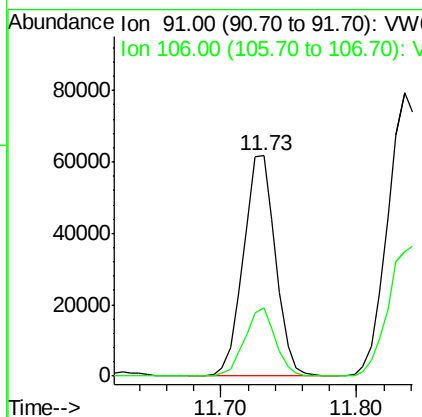
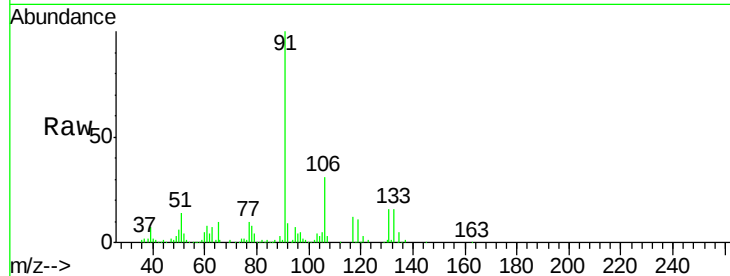
#67
Ethyl Benzene
Concen: 3.839 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 91 Resp: 102284
Ion Ratio Lower Upper
91 100
106 30.8 22.8 34.2

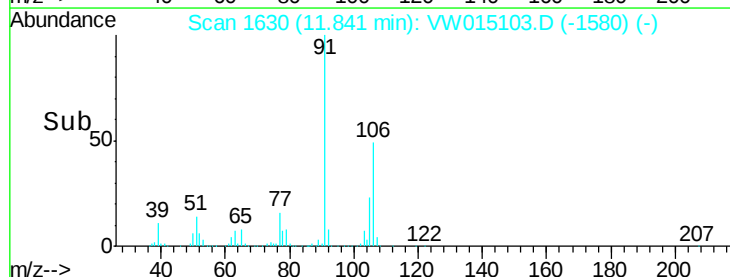
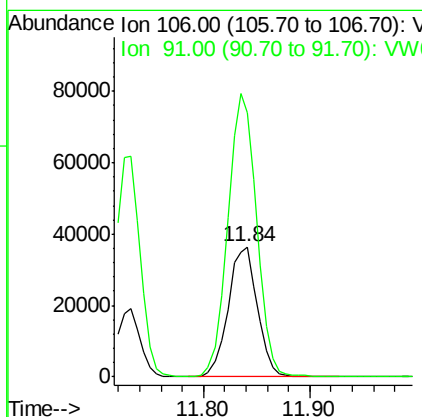
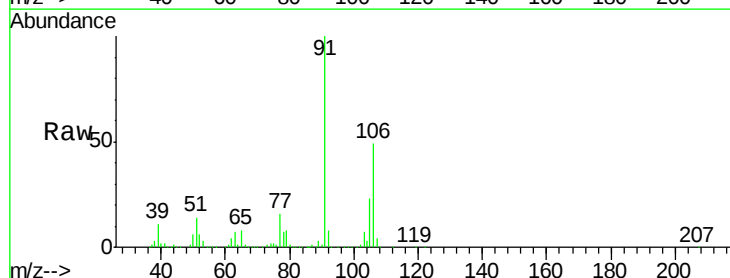
Manual Integrations
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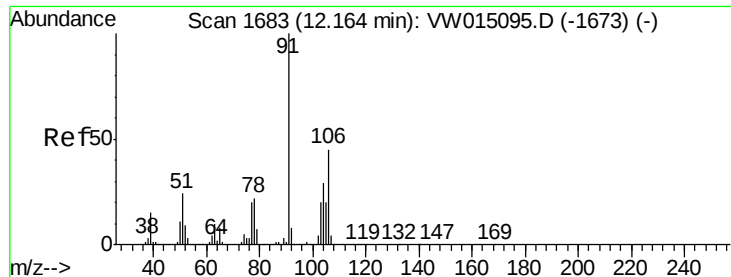
MMDadoda
3/11/2020 3:24:16 PM



#68
m/p-Xylenes
Concen: 7.423 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion: 106 Resp: 69913
Ion Ratio Lower Upper
106 100
91 214.3 172.3 258.5





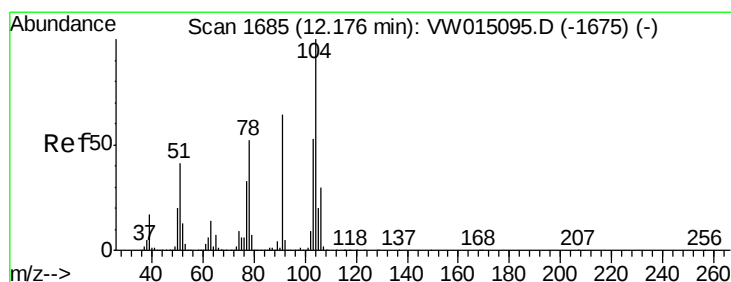
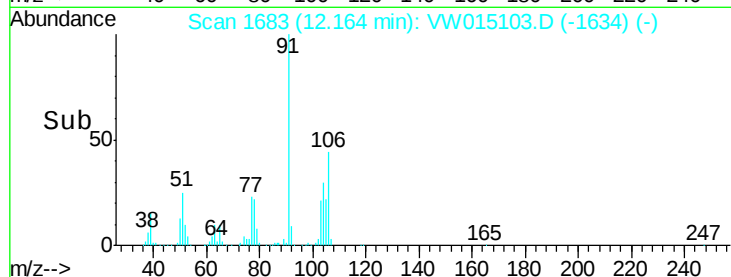
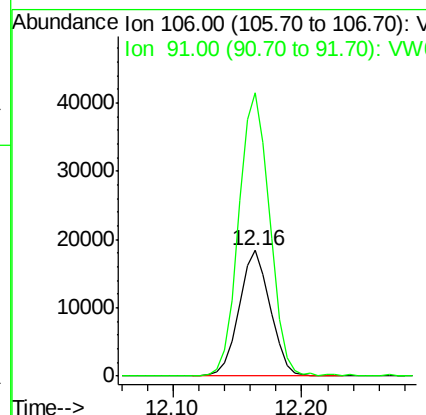
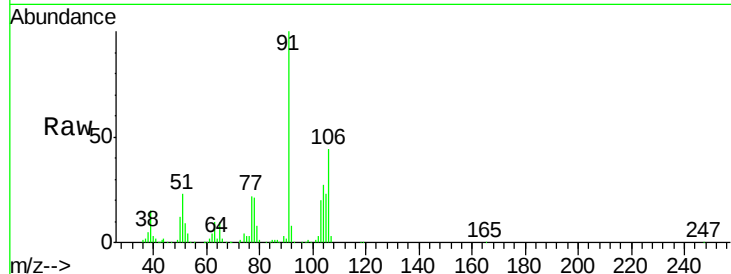
#69
o-Xylene
Concen: 3.623 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:106 Resp: 30735
Ion Ratio Lower Upper
106 100
91 225.0 112.6 337.8

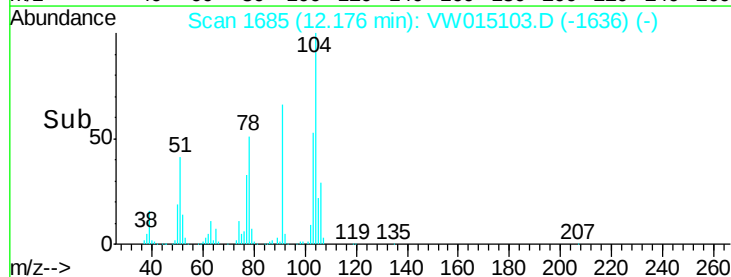
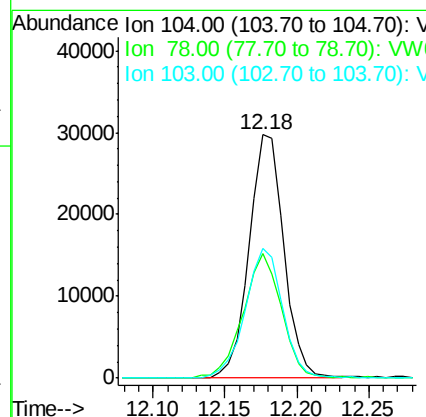
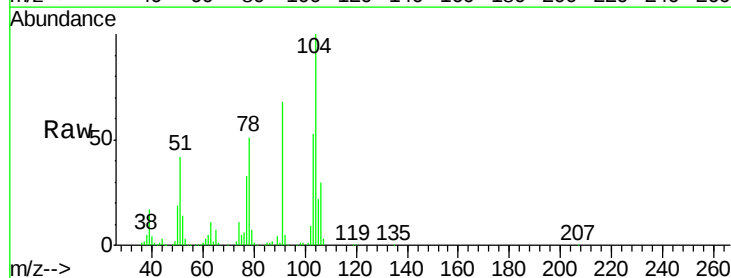
Manual Integrations
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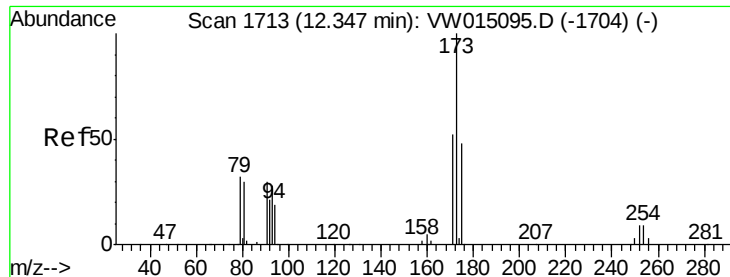
MMDadoda
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#70
Styrene
Concen: 3.401 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion:104 Resp: 49446
Ion Ratio Lower Upper
104 100
78 57.3 44.7 67.1
103 57.8 44.7 67.1





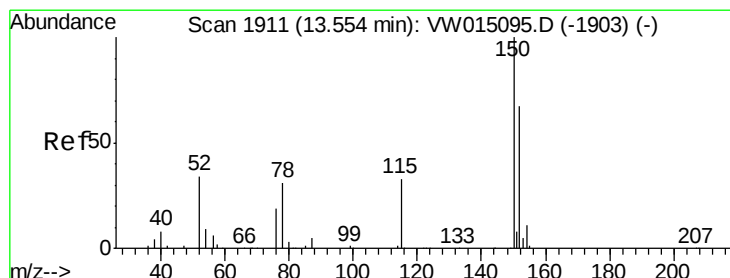
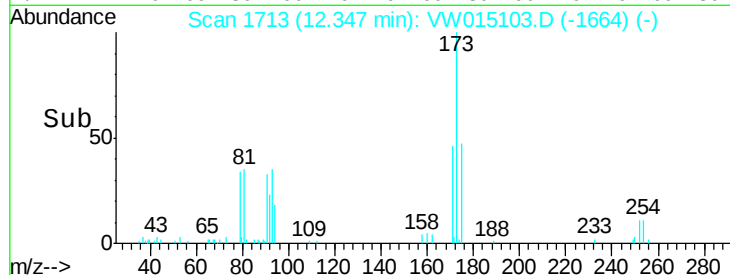
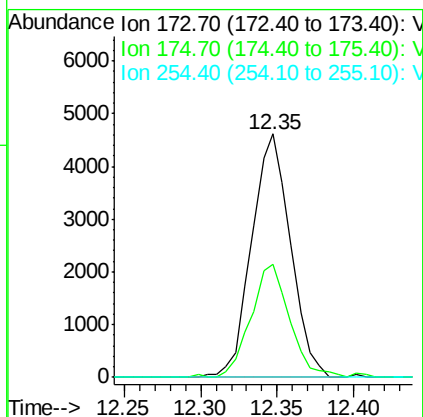
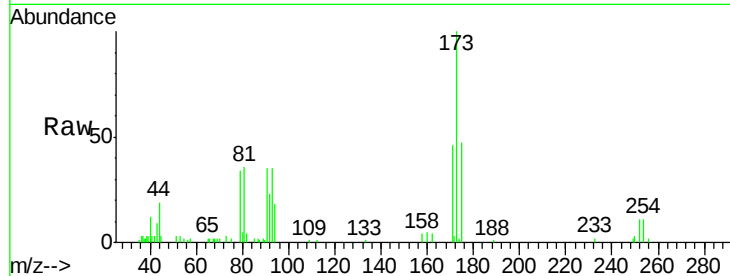
#71
Bromoform
Concen: 4.026 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.3	23.8	71.4
254	0.0	0.1	0.1#

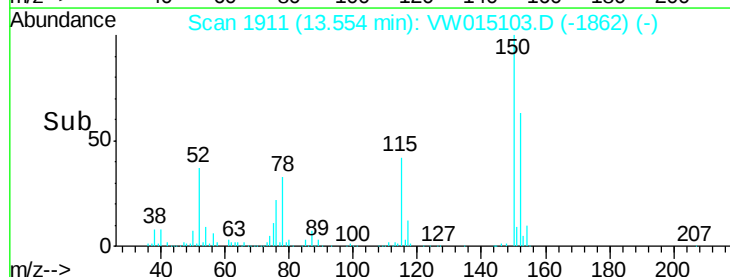
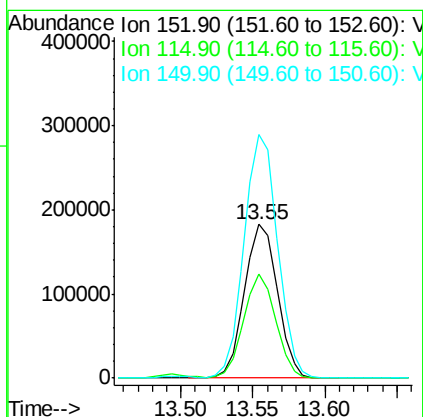
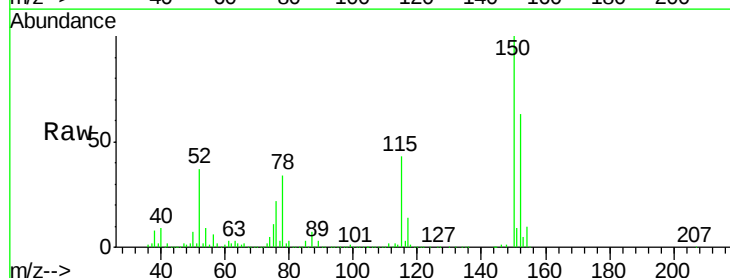
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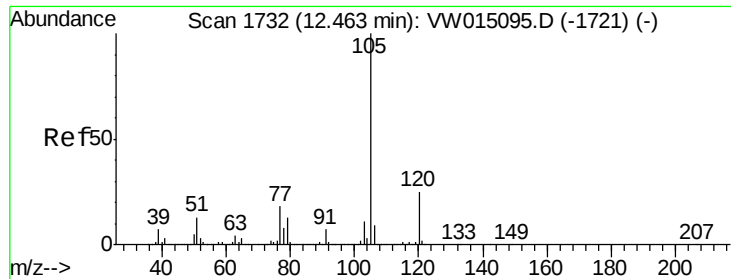
MMDadoda
3/11/2020 3:24:16 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.5	33.3	99.9
150	160.8	0.0	351.2





#73

Isopropylbenzene

Concen: 3.832 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:105 Resp: 84942

Ion Ratio Lower Upper

105 100

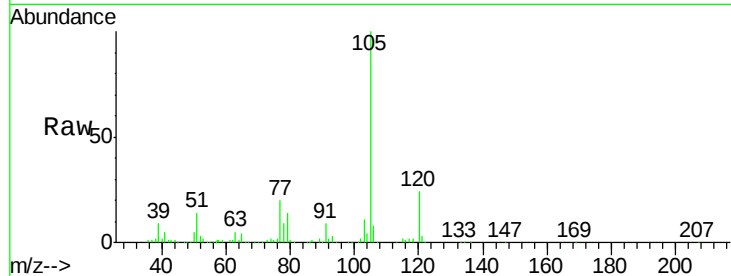
120 24.5 12.6 37.8

Manual Integrations

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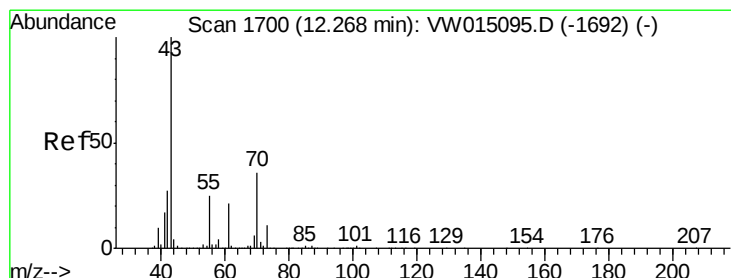
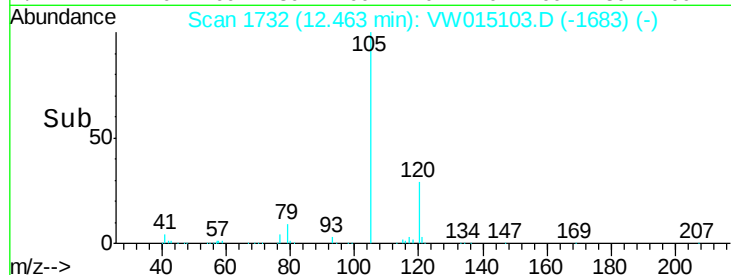
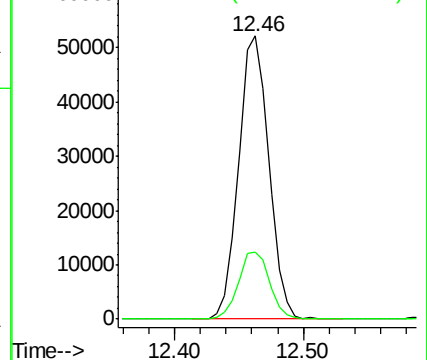
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 3.618 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion: 43 Resp: 23706

Ion Ratio Lower Upper

43 100

70 37.2 29.4 44.2

55 29.3 20.3 30.5

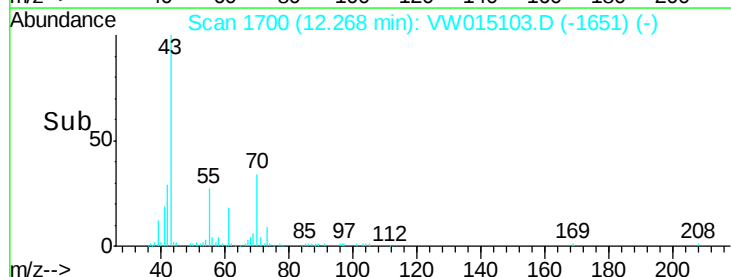
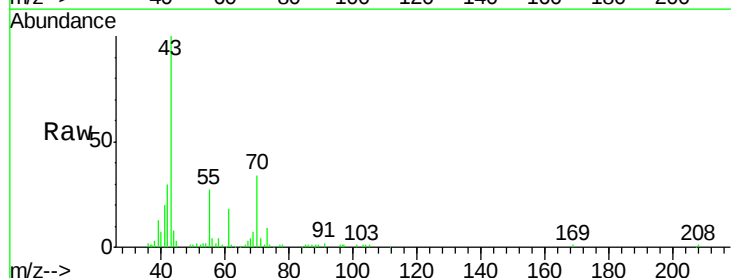
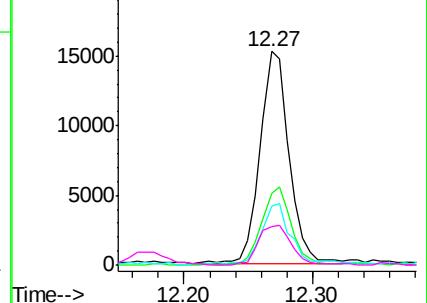
61 21.5 17.1 25.7

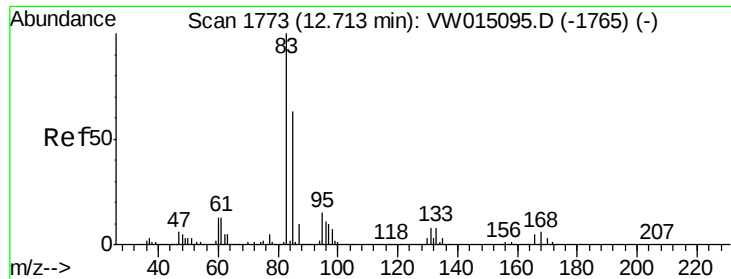
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 4.510 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

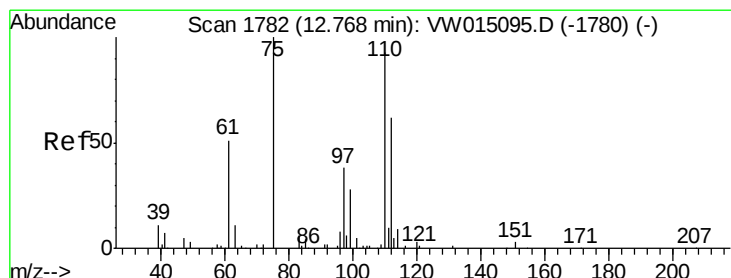
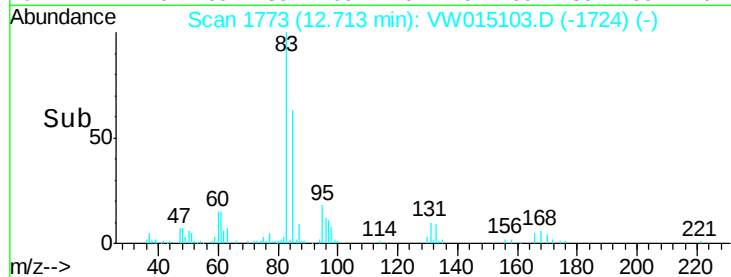
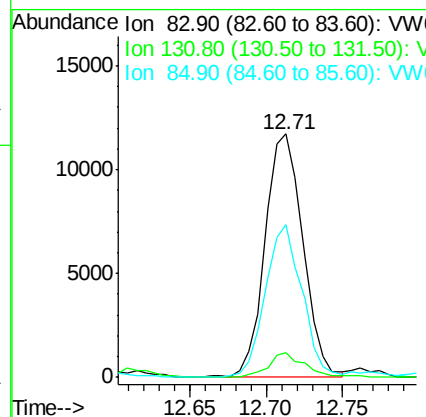
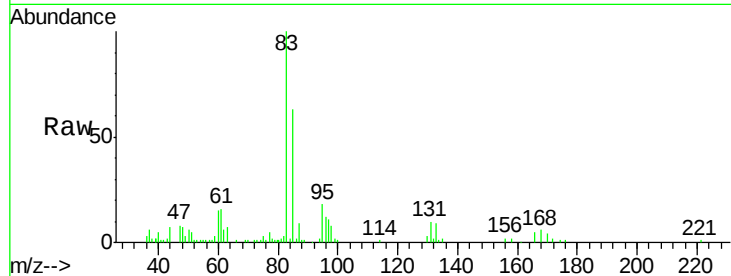
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	83	Resp:	20304
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.3	13.1
85	60.6	31.5	94.5

Manual Integrations
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MMDadoda
3/11/2020 3:24:16 PM



#76

1,2,3-Trichloropropane

Concen: 4.781 ug/l m

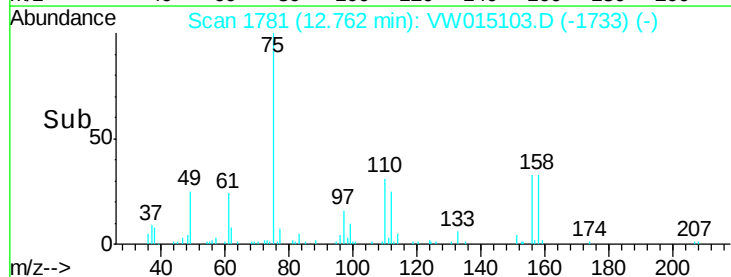
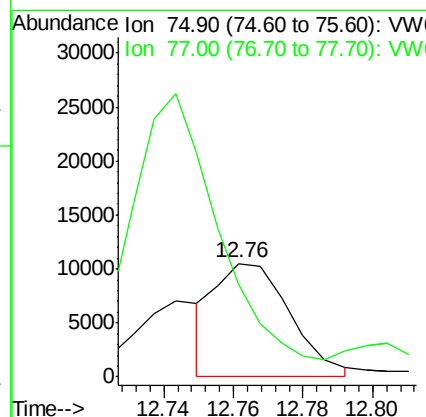
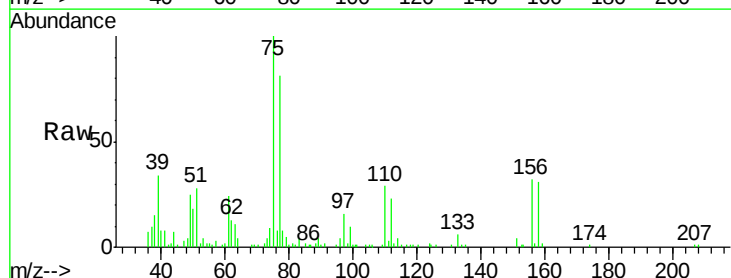
RT: 12.76 min Scan# 1781

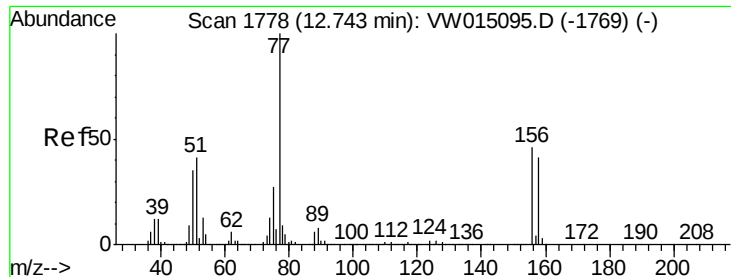
Delta R.T. -0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion:	75	Resp:	15680
Ion Ratio	Lower	Upper	
75	100		
77	308.5	0.0	0.0#





#77

Bromobenzene

Concen: 4.249 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

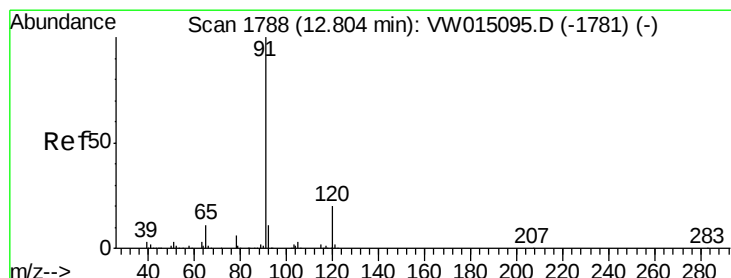
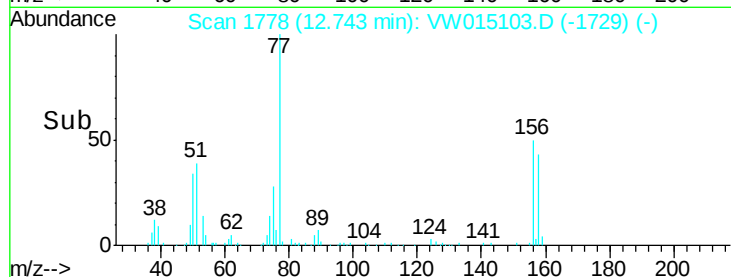
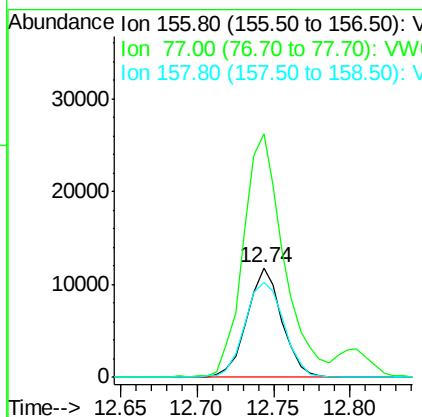
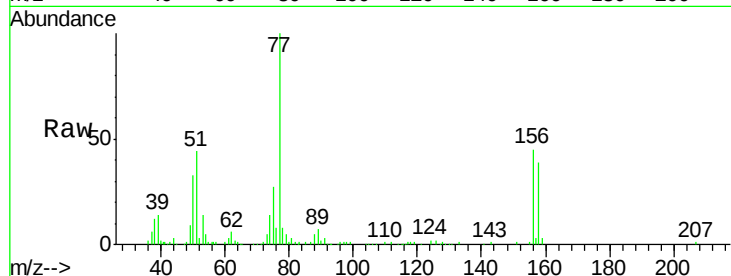
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	259.8	126.6	379.8	
158	98.0	47.4	142.2	

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#78

n-propylbenzene

Concen: 3.969 ug/l

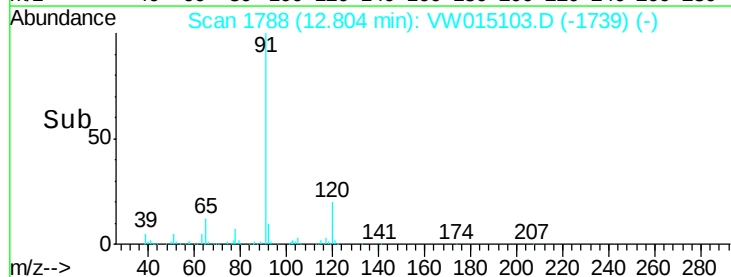
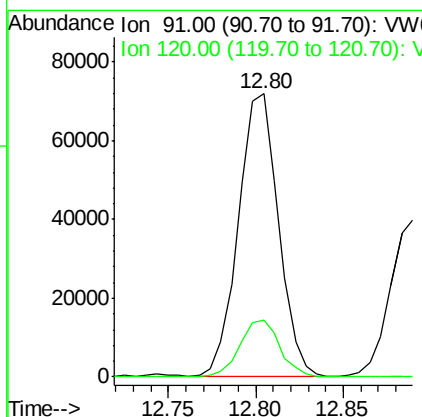
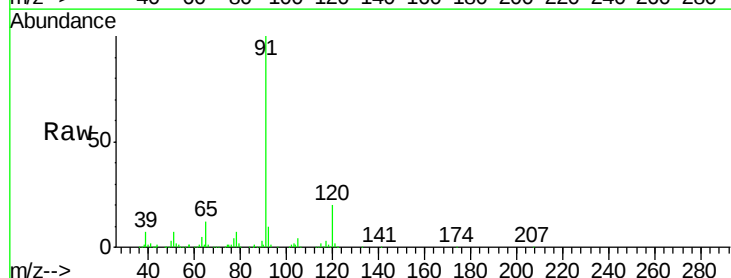
RT: 12.80 min Scan# 1788

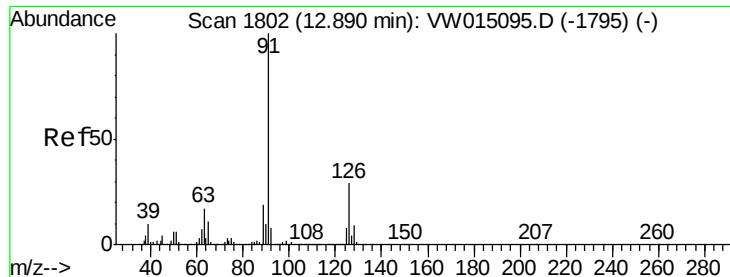
Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.2	10.2	30.4	





#79

2-Chlorotoluene

Concen: 4.091 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 91 Resp: 66271

Ion Ratio Lower Upper

91 100

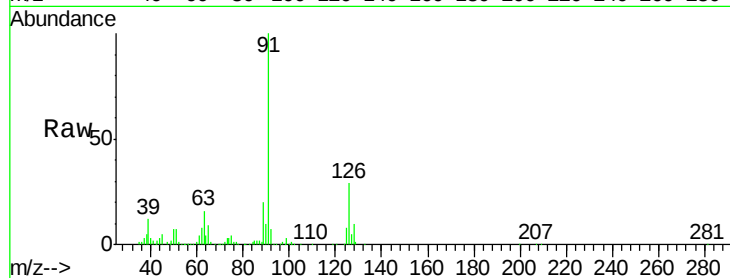
126 29.1 14.5 43.6

Manual Integrations

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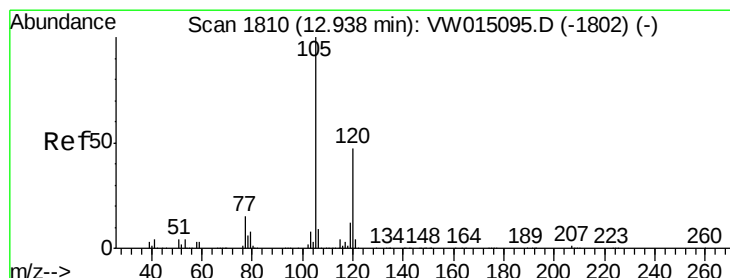
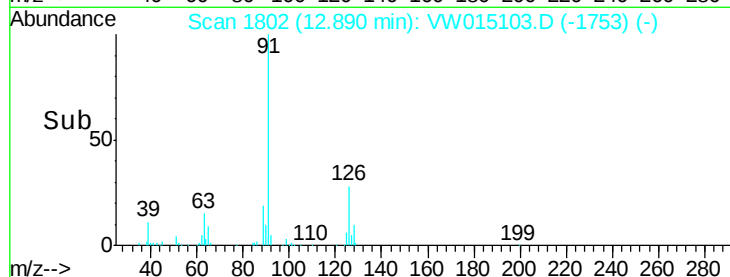
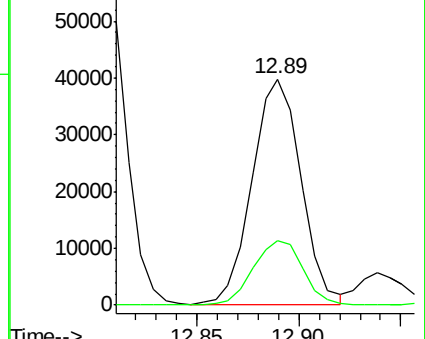
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 3.740 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW015103.D

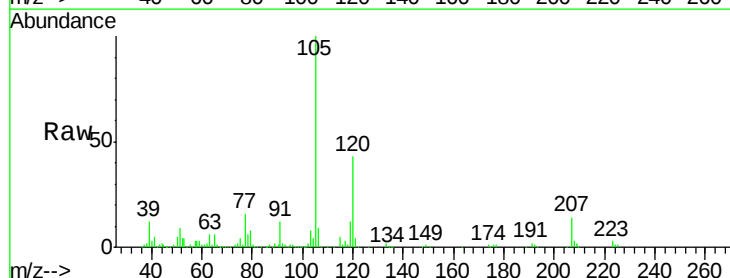
Acq: 09 Mar 2020 17:49

Tgt Ion:105 Resp: 71295

Ion Ratio Lower Upper

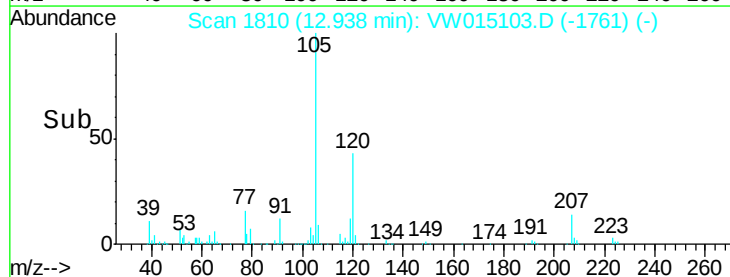
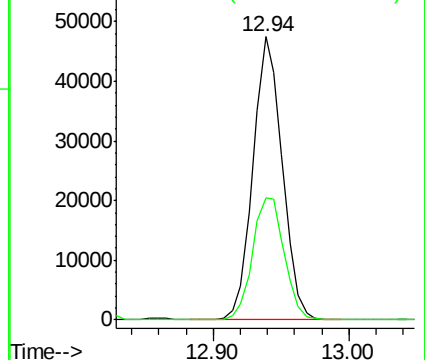
105 100

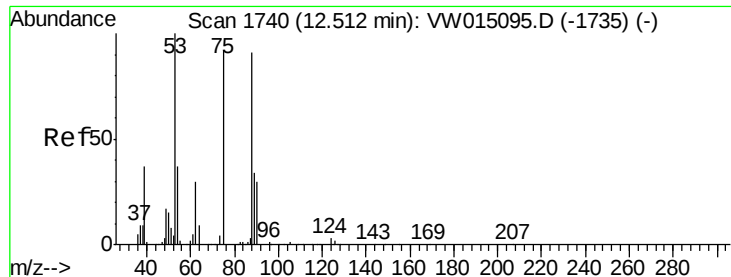
120 47.4 23.3 69.8



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: 127.594 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

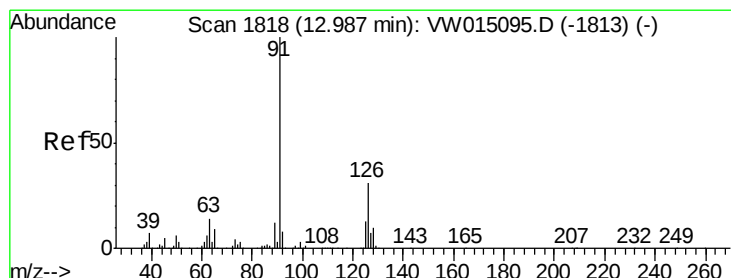
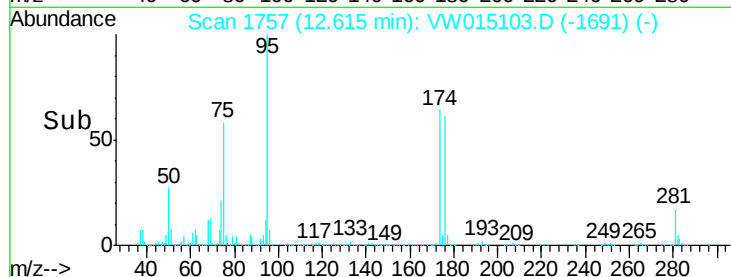
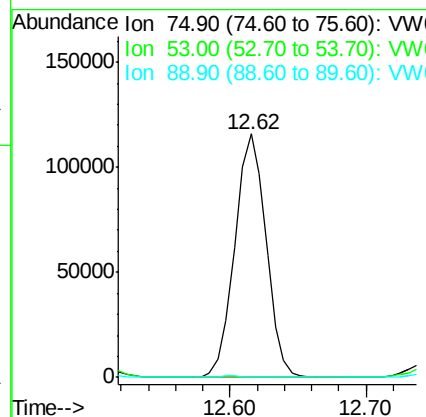
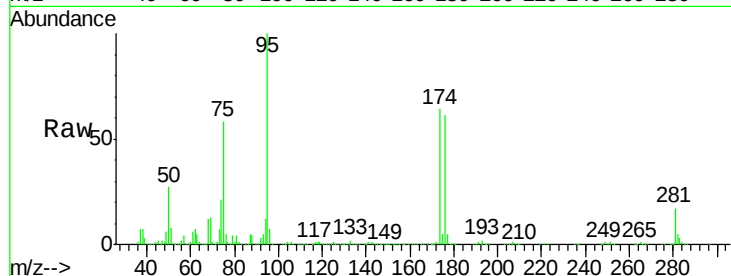
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	75	Resp:	185289
Ion Ratio	Lower	Upper	
75	100		
53	0.0	88.4	132.6#
89	0.4	33.1	49.7#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.084 ug/l

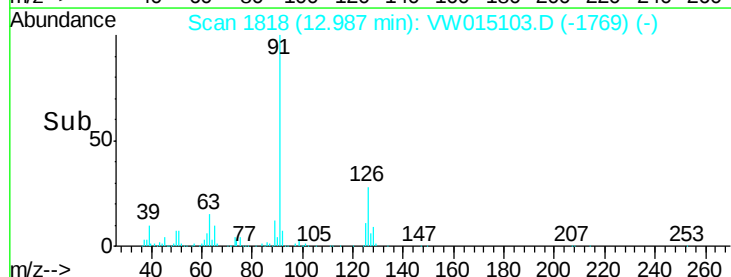
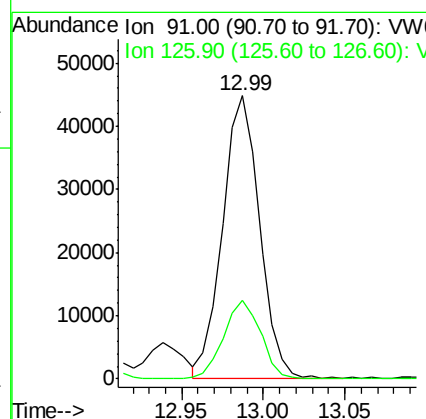
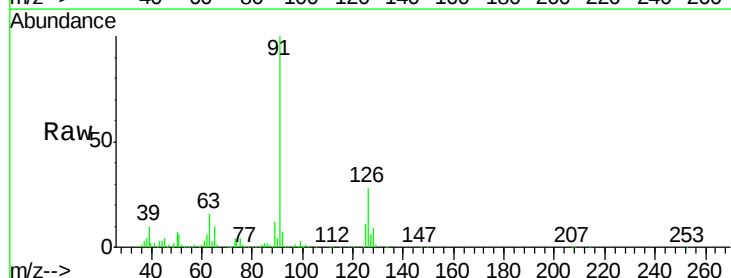
RT: 12.99 min Scan# 1818

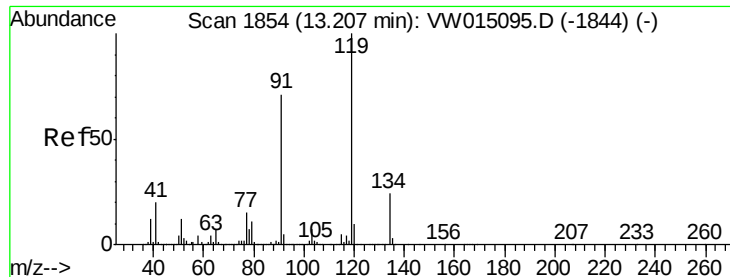
Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion:	91	Resp:	70457
Ion Ratio	Lower	Upper	
91	100		
126	28.1	14.8	44.4





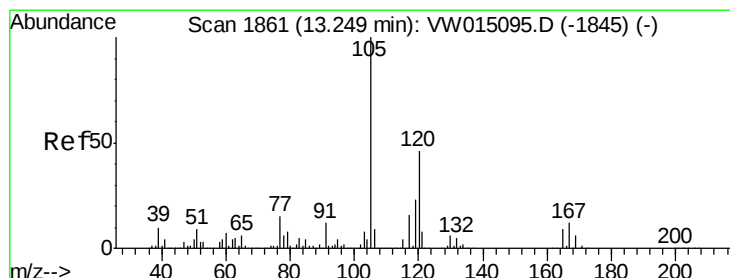
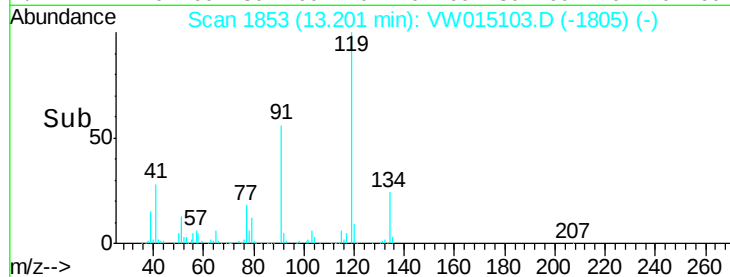
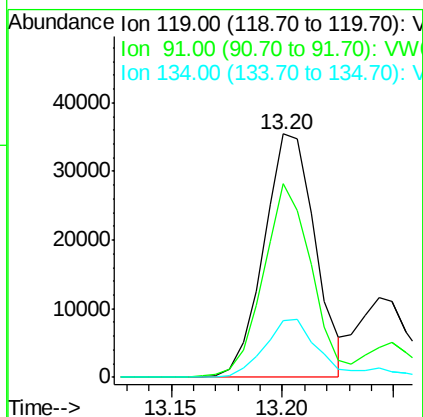
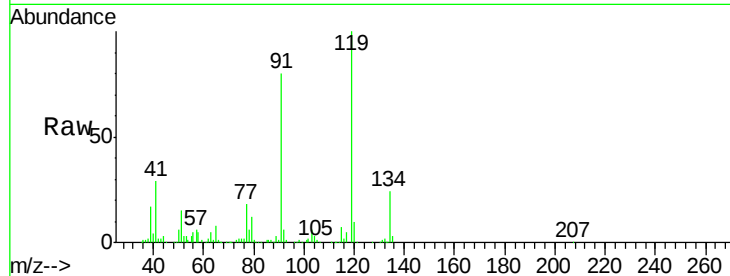
#83
tert-Butylbenzene
Concen: 3.683 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.4	35.7	107.1
134	24.4	12.7	38.1

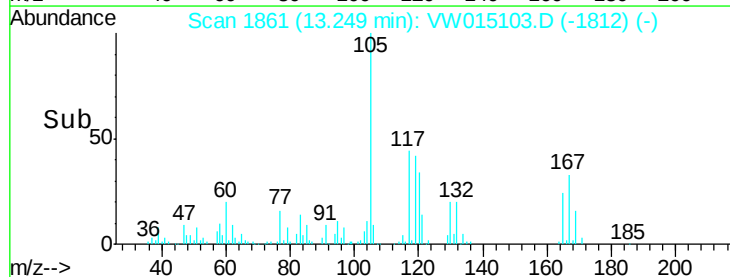
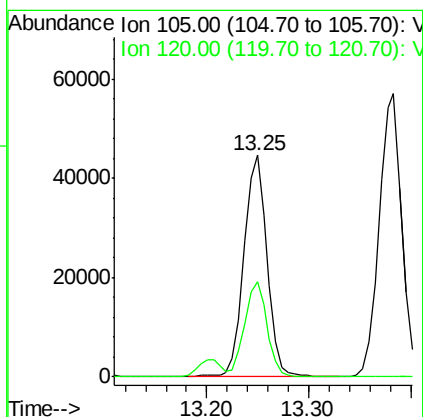
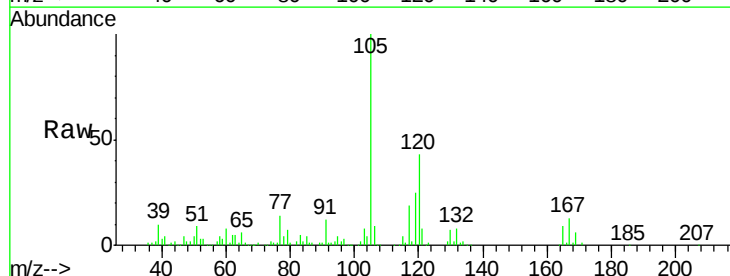
Manual Integrations
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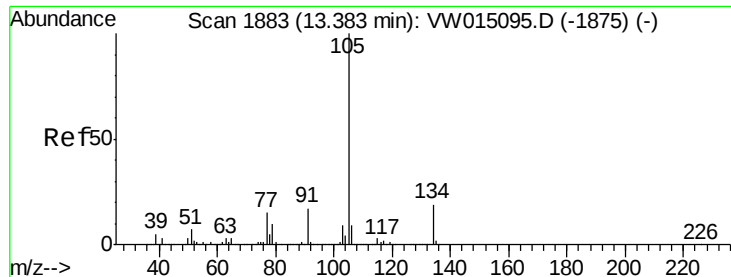
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 3.686 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.0	22.1	66.3





#85

sec-Butylbenzene

Concen: 3.809 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:105 Resp: 89010

Ion Ratio Lower Upper

105 100

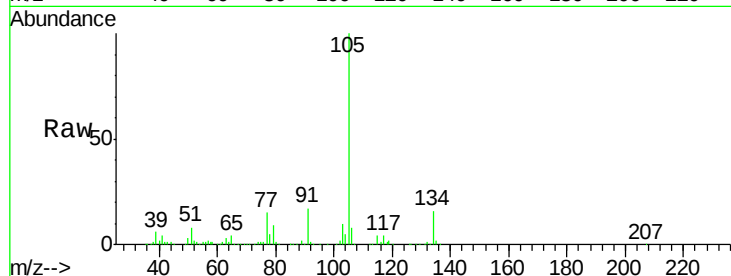
134 17.9 9.0 27.1

Manual Integrations

APPROVED

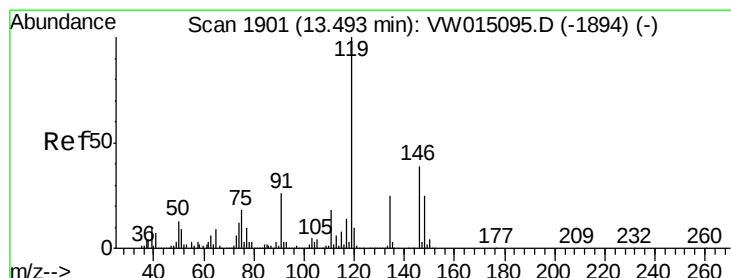
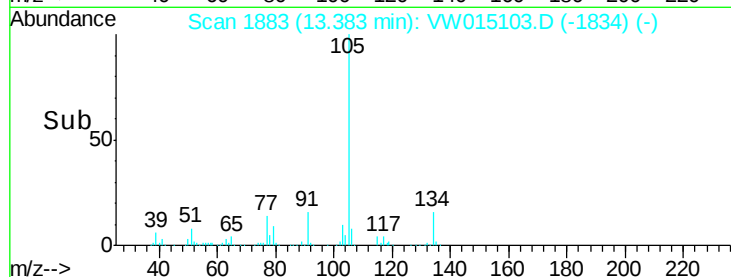
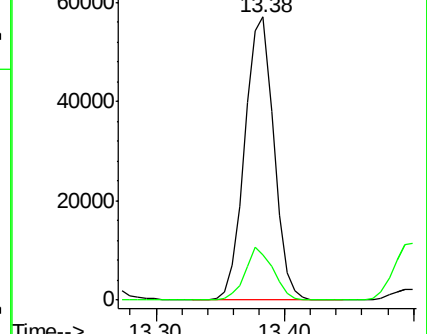
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.645 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

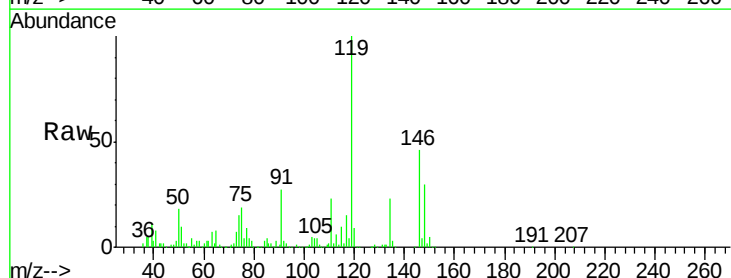
Tgt Ion:119 Resp: 73227

Ion Ratio Lower Upper

119 100

134 24.7 12.6 37.8

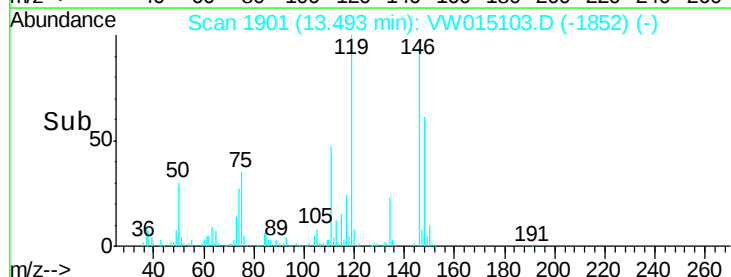
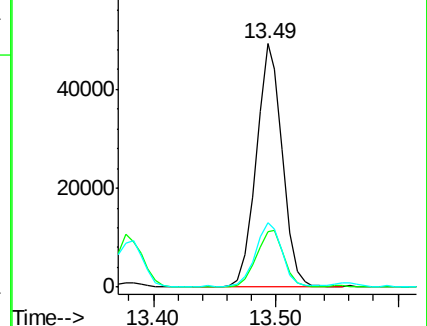
91 27.3 12.9 38.6

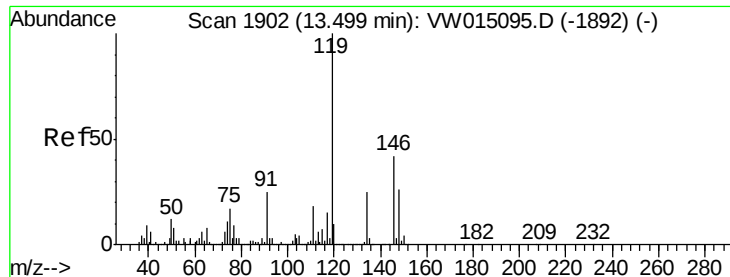


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





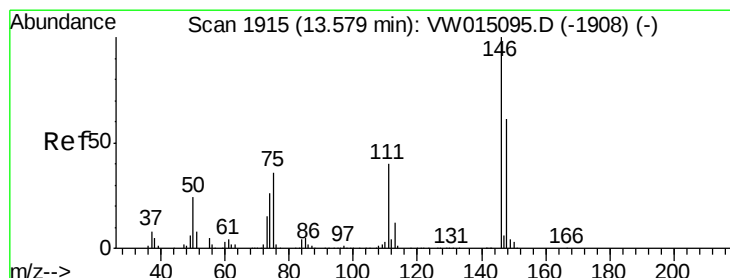
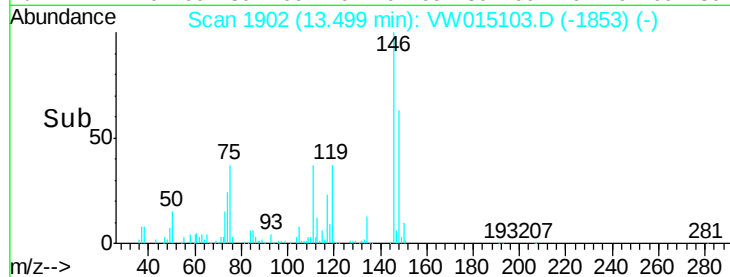
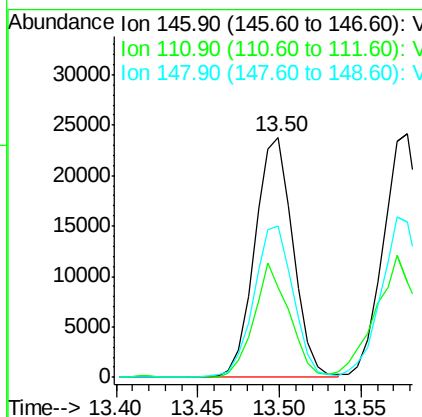
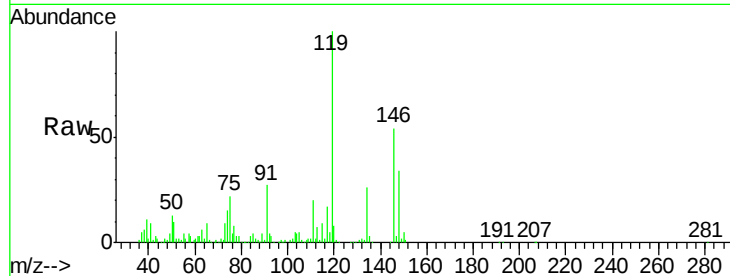
#87
 1,3-Dichlorobenzene
 Concen: 4.163 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.5	67.5
148	65.3	31.9	95.9

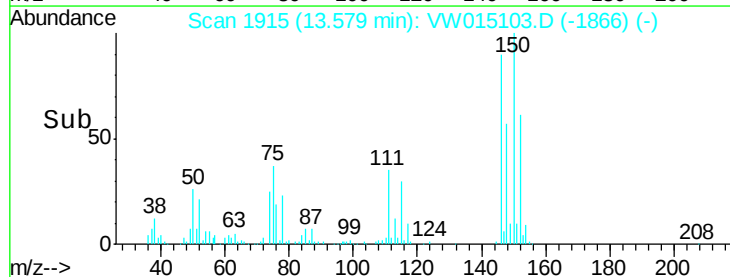
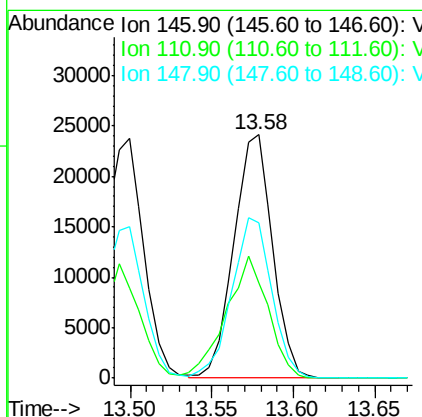
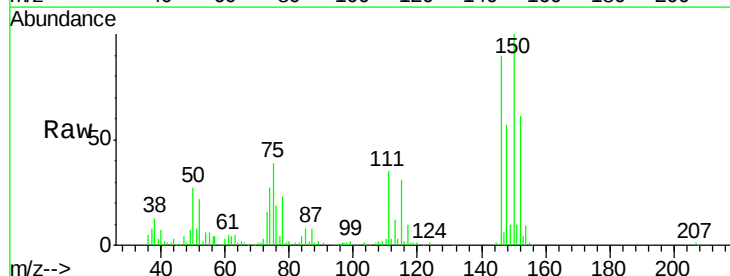
Manual Integrations
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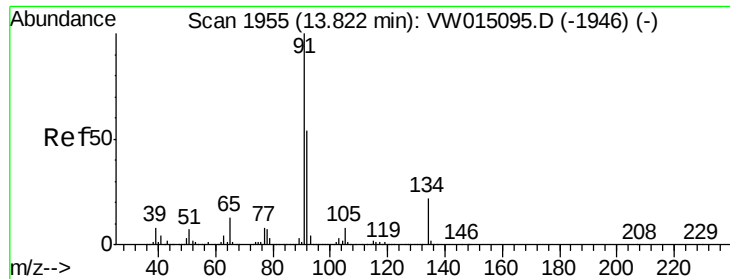
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#88
 1,4-Dichlorobenzene
 Concen: 4.354 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	54.6	21.3	63.9
148	68.0	31.6	94.8





#89

n-Butylbenzene

Concen: 3.713 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

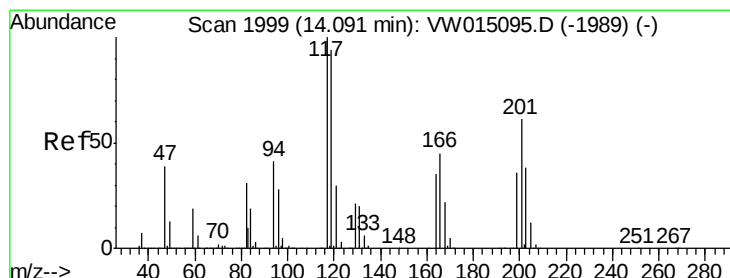
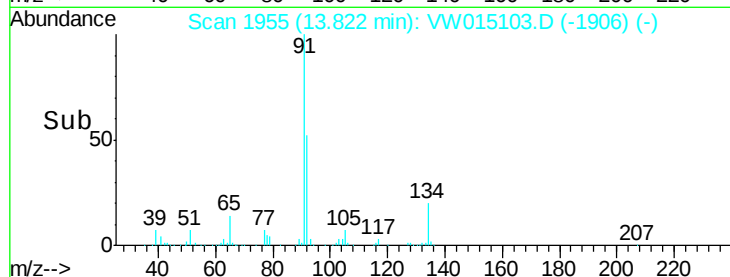
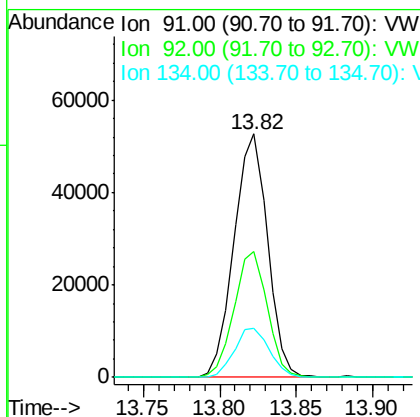
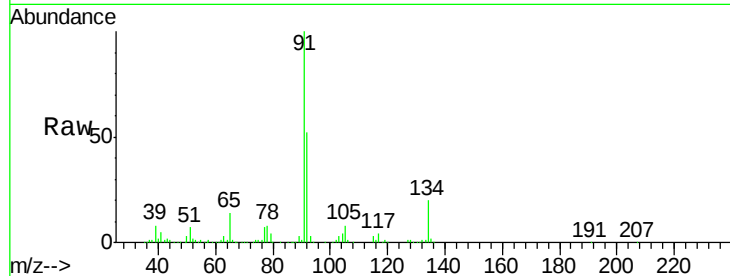
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	91	Resp:	80435
Ion Ratio	Lower	Upper	
91	100		
92	51.4	26.8	80.3
134	21.1	10.8	32.4

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#90

Hexachloroethane

Concen: 4.175 ug/l

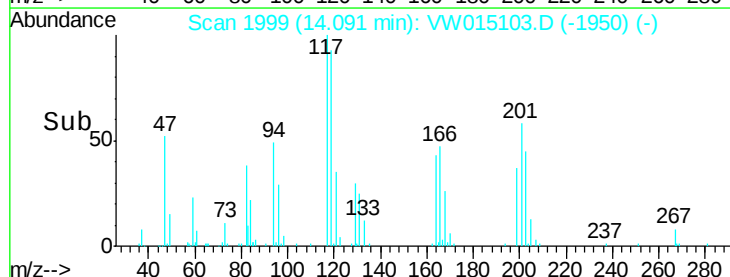
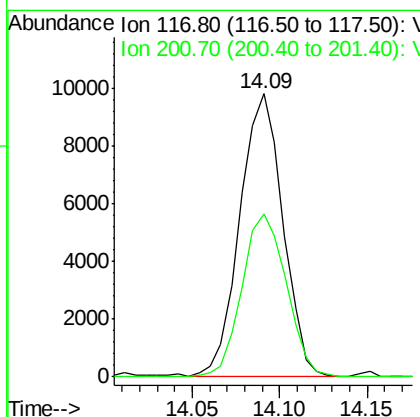
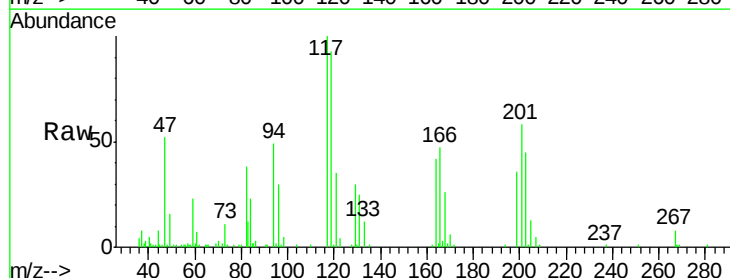
RT: 14.09 min Scan# 1999

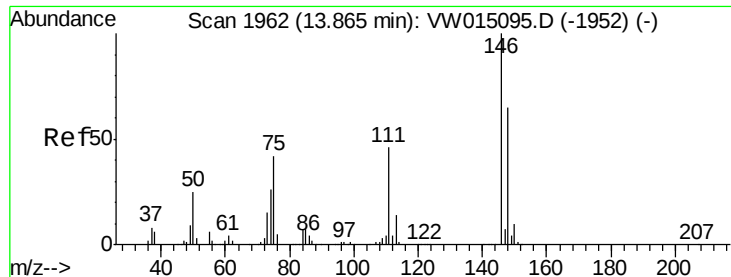
Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion:	117	Resp:	16821
Ion Ratio	Lower	Upper	
117	100		
201	59.2	30.3	90.9





#91

1,2-Dichlorobenzene

Concen: 4.106 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

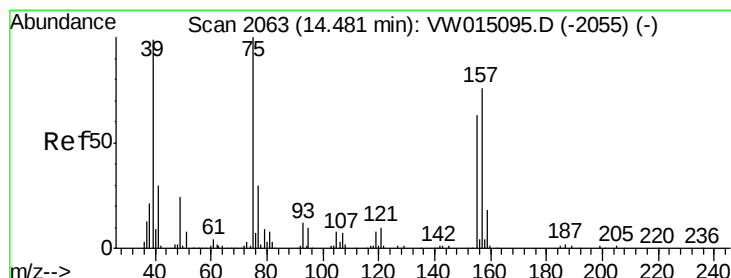
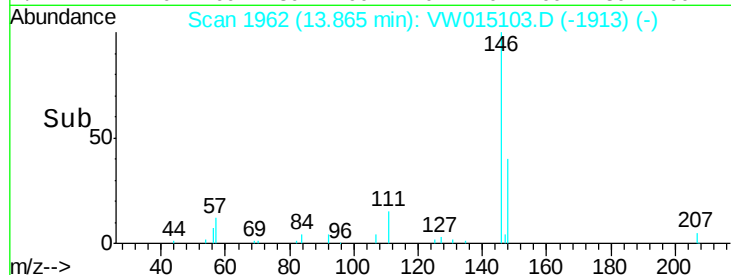
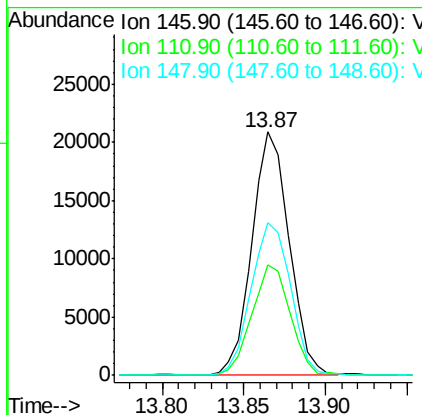
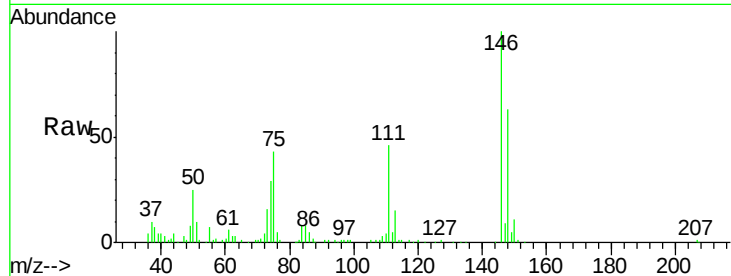
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	146	Resp:	33386
Ion Ratio	Lower	Upper	
146	100		
111	46.9	23.1	69.2
148	66.3	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 4.626 ug/l

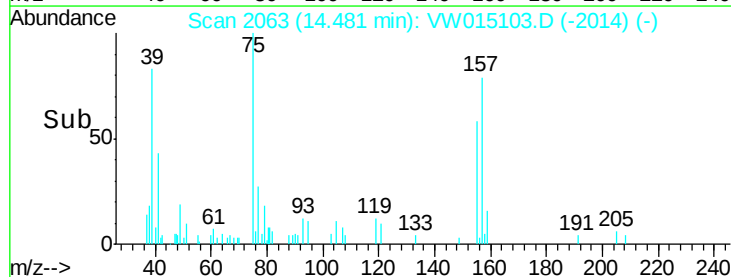
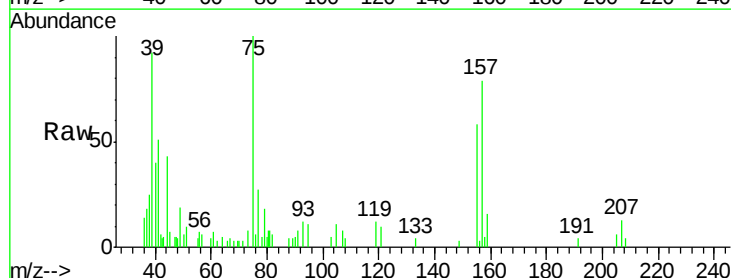
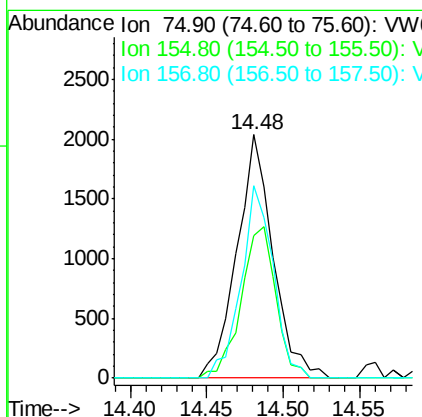
RT: 14.48 min Scan# 2063

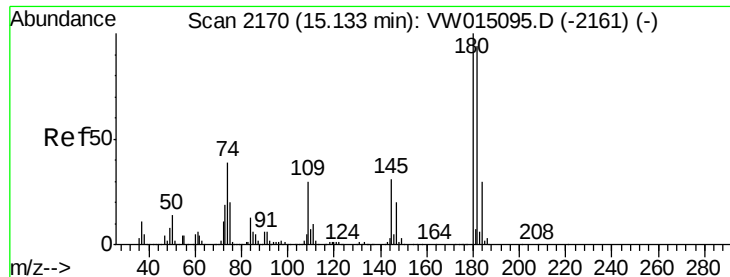
Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion:	75	Resp:	3344
Ion Ratio	Lower	Upper	
75	100		
155	59.8	32.1	96.3
157	70.0	39.6	118.7





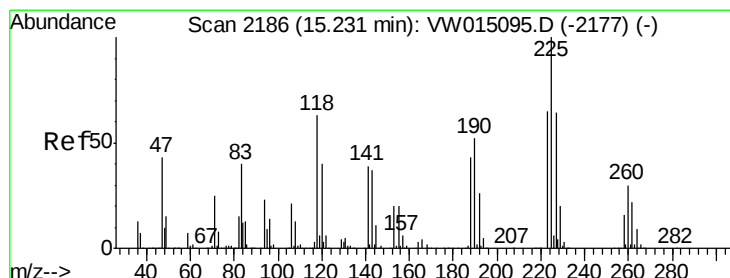
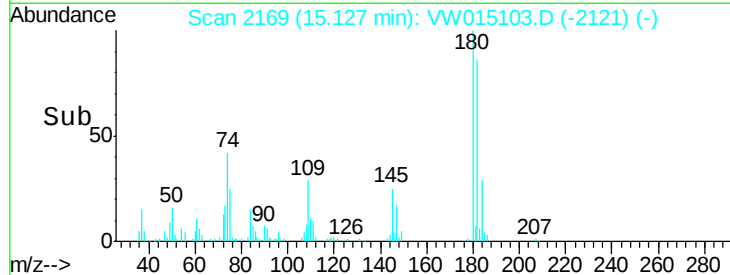
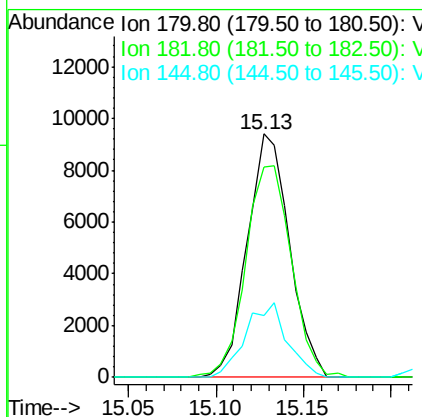
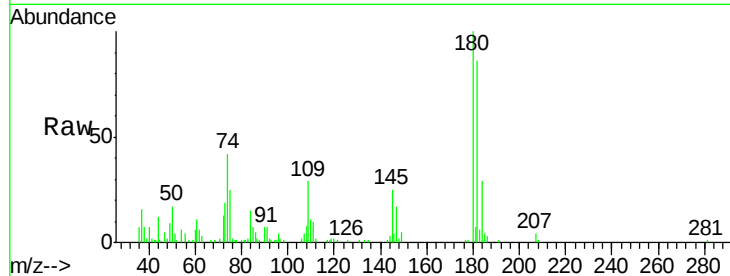
#93
 1,2,4-Trichlorobenzene
 Concen: 3.397 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion:180 Resp: 15807
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.6 142.9
 145 30.0 16.2 48.5

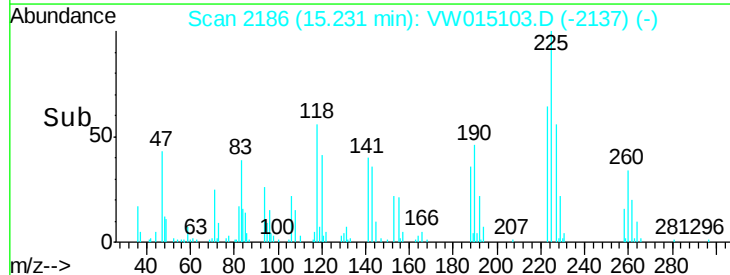
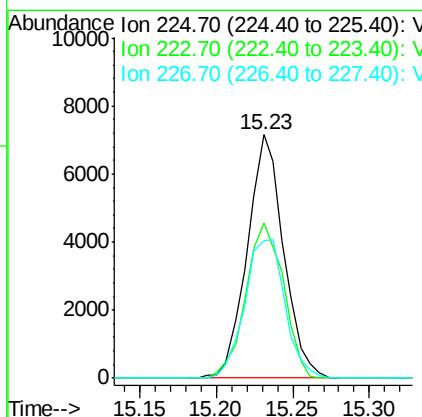
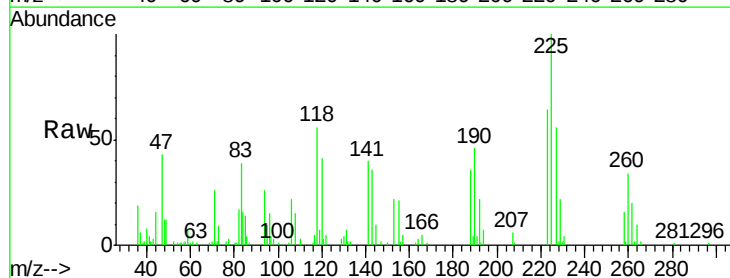
Manual Integrations
 APPROVED

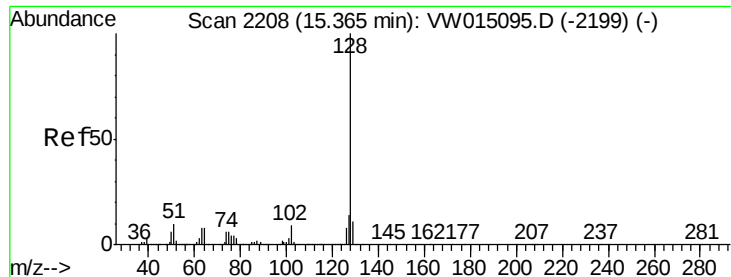
MMDadoda
 3/11/2020 3:24:16 PM



#94
 Hexachlorobutadiene
 Concen: 4.048 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion:225 Resp: 11827
 Ion Ratio Lower Upper
 225 100
 223 66.2 32.5 97.4
 227 63.0 33.0 99.0





#95

Naphthalene

Concen: 2.625 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

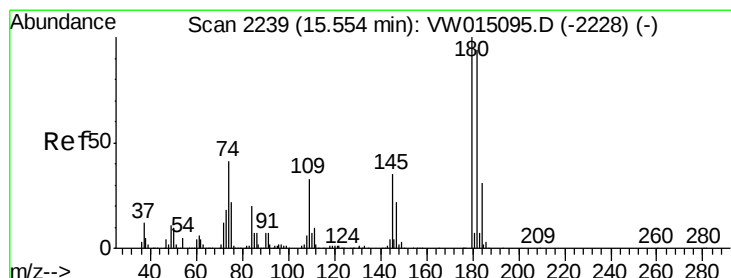
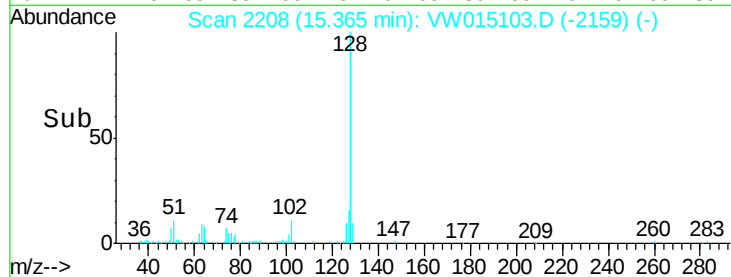
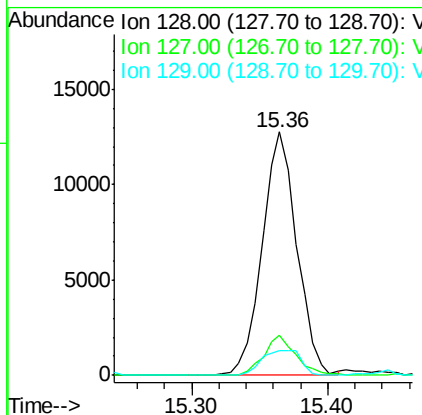
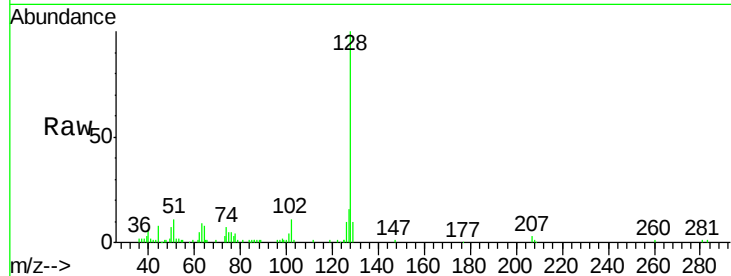
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	128	Resp:	22803
Ion Ratio	Lower	Upper	
128	100		
127	15.0	10.7	16.1
129	11.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:24:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 3.427 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion:	180	Resp:	14143
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.9	143.7
145	35.2	17.5	52.6

