

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101020\
 Data File : VW016870.D
 Acq On : 09 Oct 2020 19:41
 Operator : SY/VA
 Sample : L4214-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 4:20:56 PM

Quant Time: Oct 12 15:04:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 12 14:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	371384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	567242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	503196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	257787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	165156	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
35) Dibromofluoromethane	7.89	113	176758	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.32	98	657634	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.62	95	230109	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	10756	5.310	ug/l	94
3) Chloromethane	2.22	50	13352	6.012	ug/l	100
4) Vinyl Chloride	2.37	62	17165	5.344	ug/l	96
5) Bromomethane	2.79	94	14071	5.704	ug/l	98
6) Chloroethane	2.93	64	11335	5.546	ug/l	95
7) Trichlorofluoromethane	3.26	101	11914	5.095	ug/l	95
8) Diethyl Ether	3.69	74	7947	5.441	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	16997	5.398	ug/l	98
10) Methyl Iodide	4.28	142	27513	5.466	ug/l	99
11) Tert butyl alcohol	5.17	59	6178	41.847	ug/l	99
12) 1,1-Dichloroethene	4.05	96	16989	5.466	ug/l	98
13) Acrolein	3.89	56	5805	29.085	ug/l	94
14) Allyl chloride	4.67	41	19606	5.270	ug/l	99
15) Acrylonitrile	5.38	53	13714	28.209	ug/l	97
16) Acetone	4.12	43	14727	30.101	ug/l	99
17) Carbon Disulfide	4.39	76	43391	5.248	ug/l	98
18) Methyl Acetate	4.68	43	7868	7.011	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	19616	5.856	ug/l	93
20) Methylene Chloride	4.93	84	29513	7.612	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	18838	5.399	ug/l	97
22) Diisopropyl ether	6.32	45	36897	5.457	ug/l	96
23) Vinyl Acetate	6.26	43	106443	24.569	ug/l	97
24) 1,1-Dichloroethane	6.23	63	29319	5.469	ug/l	97
25) 2-Butanone	7.18	43	18664	28.614	ug/l	98
26) 2,2-Dichloropropane	7.17	77	19134	5.833	ug/l	93
27) cis-1,2-Dichloroethene	7.18	96	20135	5.388	ug/l	95
28) Bromochloromethane	7.52	49	11949	5.569	ug/l	98
29) Tetrahydrofuran	7.54	42	10545	28.863	ug/l	98
30) Chloroform	7.68	83	31677	5.435	ug/l	96
31) Cyclohexane	7.96	56	27786	6.076	ug/l	# 76
32) 1,1,1-Trichloroethane	7.88	97	26963	5.484	ug/l	98
36) 1,1-Dichloropropene	8.09	75	24665	5.030	ug/l	99
37) Ethyl Acetate	7.27	43	7833	4.889	ug/l	98
38) Carbon Tetrachloride	8.07	117	24269	4.760	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	26728	4.780	ug/l	92
40) Benzene	8.33	78	70926	5.191	ug/l	93
41) Methacrylonitrile	7.49	41	5068	5.338	ug/l	92
42) 1,2-Dichloroethane	8.40	62	19840	5.308	ug/l	100
43) Isopropyl Acetate	8.43	43	16034	5.224	ug/l	98
44) Trichloroethene	9.10	130	21413	5.063	ug/l	93
45) 1,2-Dichloropropane	9.37	63	15924	5.111	ug/l	97
46) Dibromomethane	9.46	93	9067	5.088	ug/l	98
47) Bromodichloromethane	9.65	83	21450	4.841	ug/l	93
48) Methyl methacrylate	9.44	41	6900	4.879	ug/l	95
49) 1,4-Dioxane	9.45	88	2085	101.709	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	40348	25.986	ug/l	99
52) Toluene	10.39	92	46454	5.143	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	18483	4.582	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	23362	4.741	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	13339	5.258	ug/l	93
56) Ethyl methacrylate	10.65	69	13242	4.798	ug/l	97
57) 1,3-Dichloropropane	10.93	76	21350	5.087	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	35877	23.461	ug/l	100
59) 2-Hexanone	10.98	43	24844	24.183	ug/l	98
60) Dibromochloromethane	11.13	129	14108	4.534	ug/l	94
61) 1,2-Dibromoethane	11.24	107	12515	4.982	ug/l	98
64) Tetrachloroethene	10.87	164	19216	5.360	ug/l	96
65) Chlorobenzene	11.66	112	52162	5.285	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	17275	4.949	ug/l	99
67) Ethyl Benzene	11.73	91	87522	5.089	ug/l	99
68) m/p-Xylenes	11.84	106	68610	10.257	ug/l	98
69) o-Xylene	12.17	106	31037	5.056	ug/l	100
70) Styrene	12.18	104	50667	4.959	ug/l	98
71) Bromoform	12.35	173	8112	4.629	ug/l #	95
73) Isopropylbenzene	12.47	105	86775	5.064	ug/l	100
74) N-amyl acetate	12.27	43	12911	4.691	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	14425	5.366	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	10234m	5.320	ug/l	
77) Bromobenzene	12.75	156	23052	5.443	ug/l	96
78) n-propylbenzene	12.80	91	98899	5.005	ug/l	99
79) 2-Chlorotoluene	12.90	91	57980	5.144	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	73364	5.109	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	2867m	4.006	ug/l	
82) 4-Chlorotoluene	12.99	91	60462	5.196	ug/l	99
83) tert-Butylbenzene	13.21	119	61746	4.951	ug/l	95
84) 1,2,4-Trimethylbenzene	13.25	105	71551	5.001	ug/l	98
85) sec-Butylbenzene	13.38	105	88866	5.119	ug/l	99
86) p-Isopropyltoluene	13.50	119	81082	5.016	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	41850	5.110	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	42514	5.267	ug/l	93
89) n-Butylbenzene	13.82	91	70200	4.821	ug/l	100
90) Hexachloroethane	14.09	117	11515	4.617	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	36281	5.134	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2130	5.174	ug/l	87

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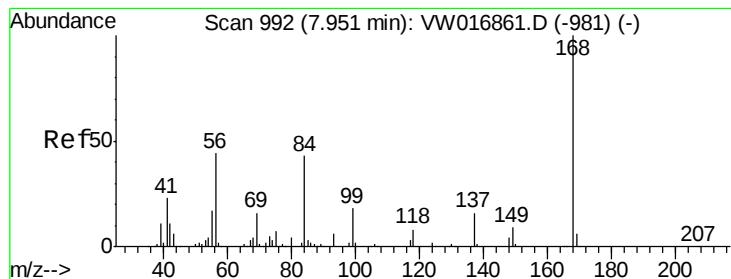
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	23662	4.853	ug/l	98
94) Hexachlorobutadiene	15.24	225	15976	5.054	ug/l	98
95) Naphthalene	15.37	128	35136	4.434	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	20855	4.916	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion:168 Resp: 371384

Ion Ratio Lower Upper

168 100

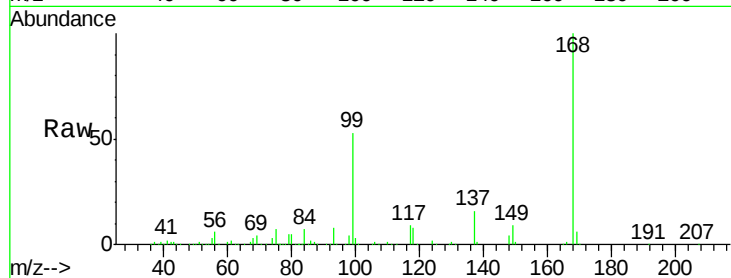
99 52.5 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

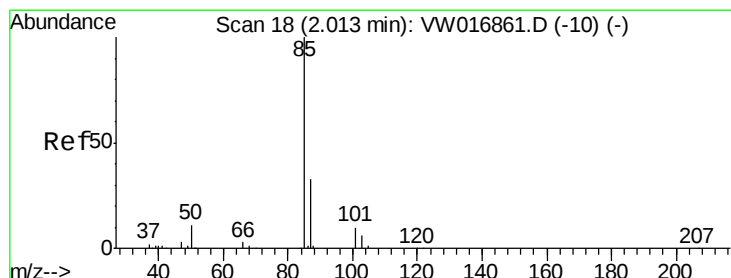
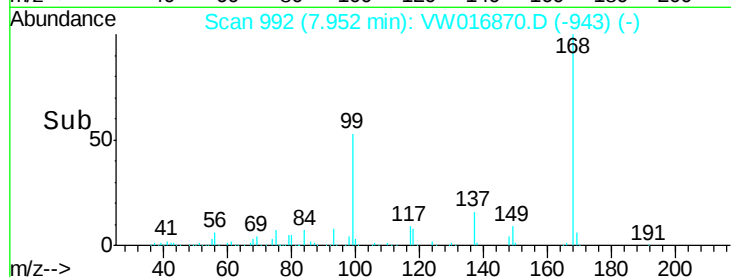
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 5.310 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016870.D

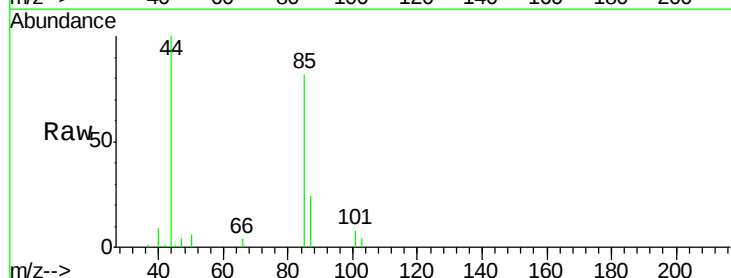
Acq: 09 Oct 2020 19:41

Tgt Ion: 85 Resp: 10756

Ion Ratio Lower Upper

85 100

87 29.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

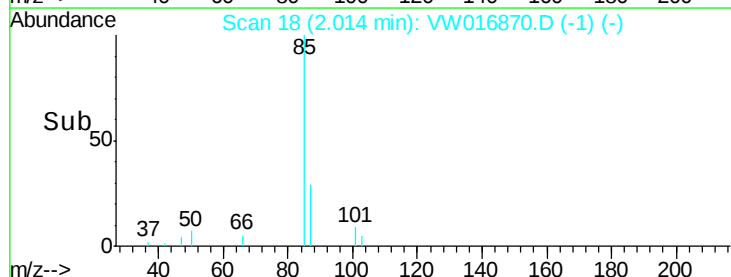
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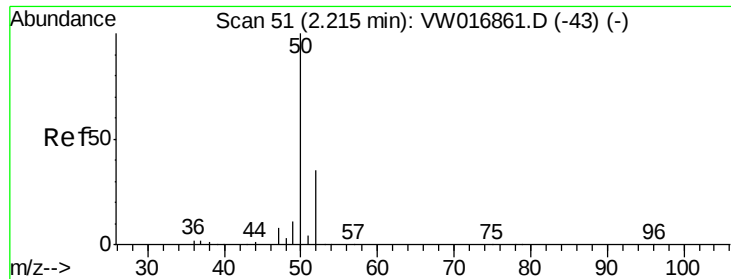
2000

1000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 6.012 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion: 50 Resp: 13352

Ion Ratio Lower Upper

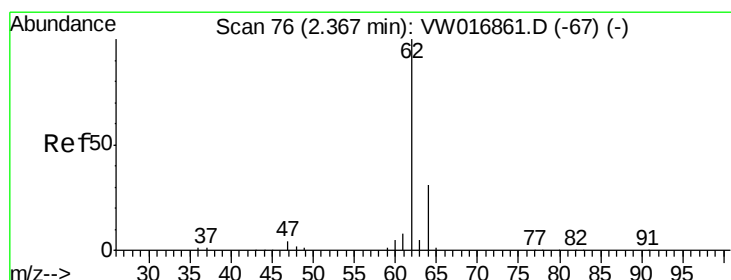
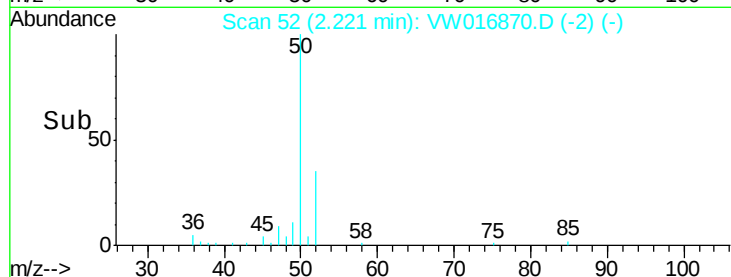
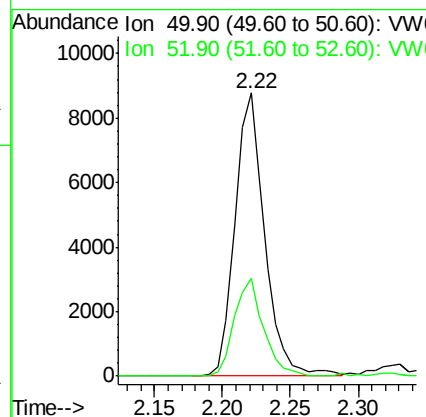
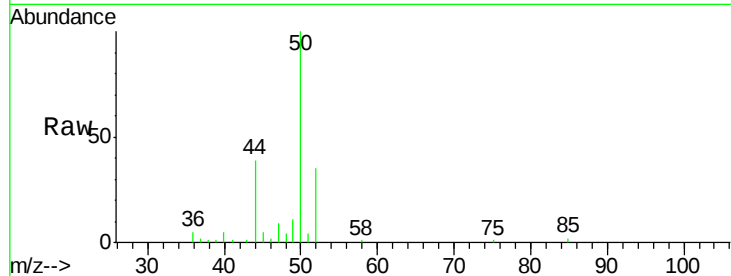
50 100

52 34.5 27.6 41.4

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#4

Vinyl Chloride

Concen: 5.344 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016870.D

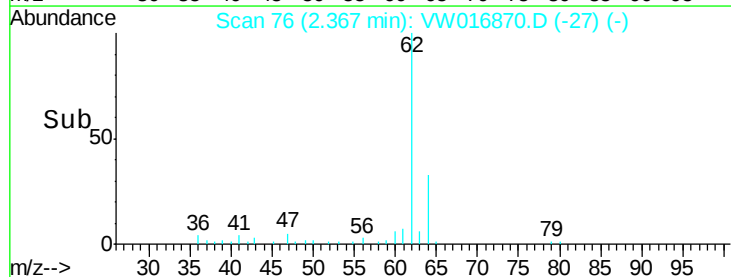
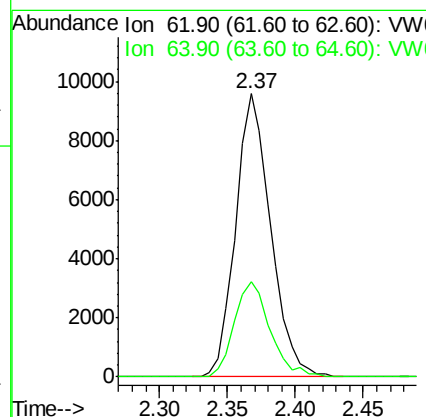
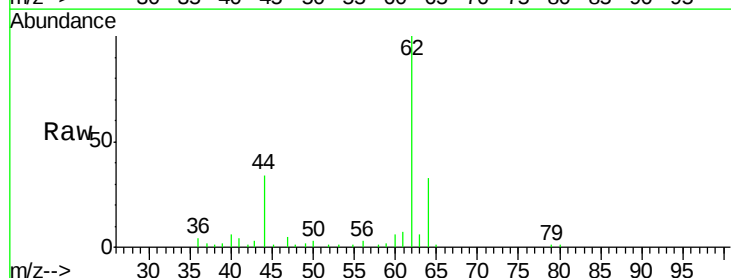
Acq: 09 Oct 2020 19:41

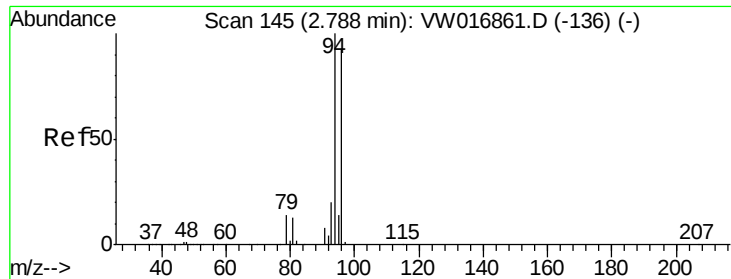
Tgt Ion: 62 Resp: 17165

Ion Ratio Lower Upper

62 100

64 33.5 25.0 37.4





#5

Bromomethane

Concen: 5.704 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

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Tot Ion: 94 Resp: 14071

Ion Ratio Lower Upper

94 100

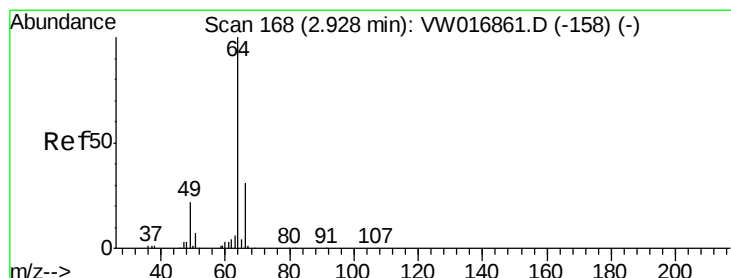
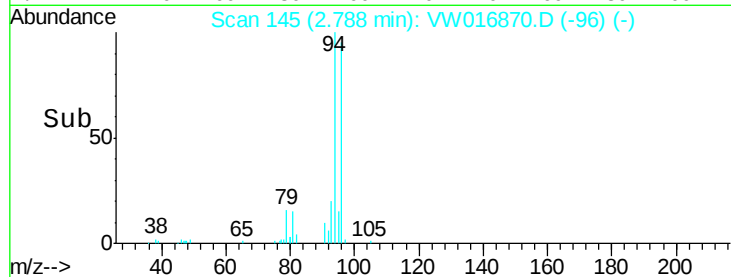
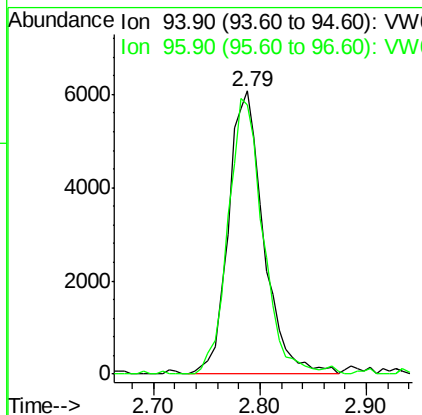
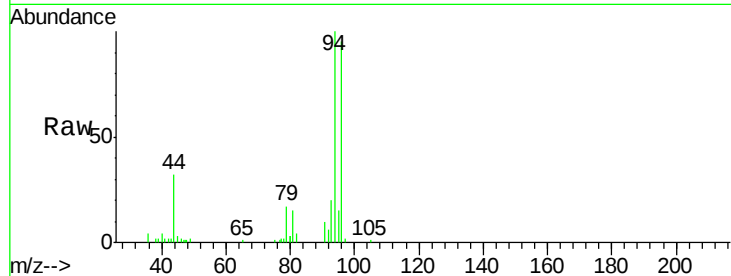
96 95.0 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 5.546 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016870.D

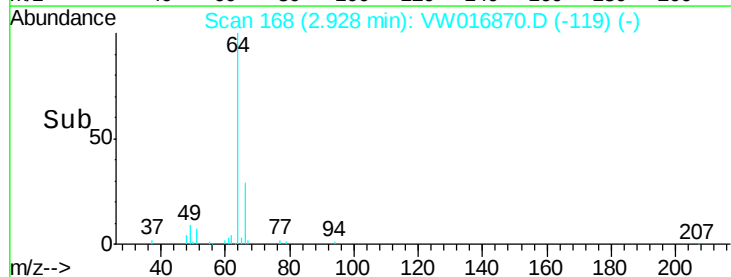
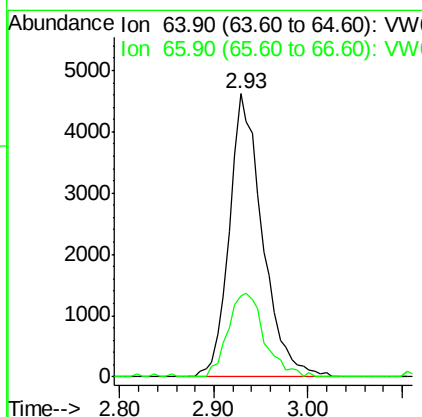
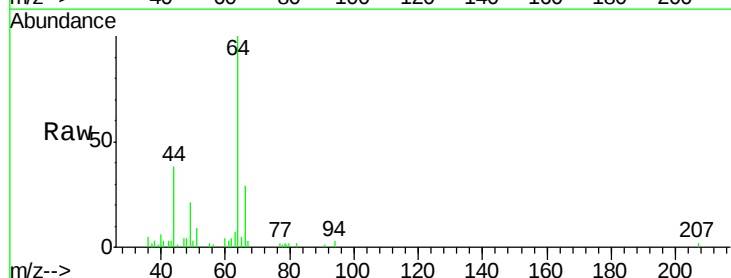
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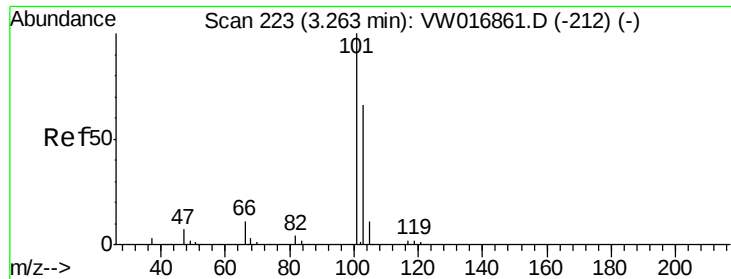
Tgt Ion: 64 Resp: 11335

Ion Ratio Lower Upper

64 100

66 28.7 25.0 37.6





#7

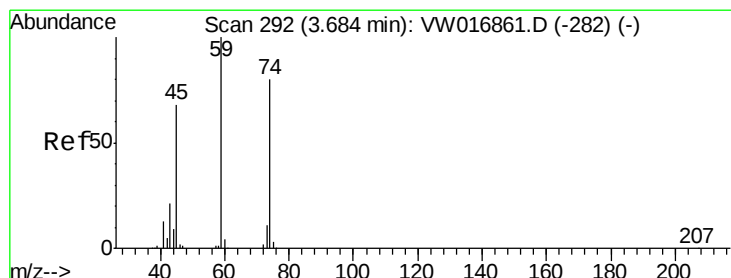
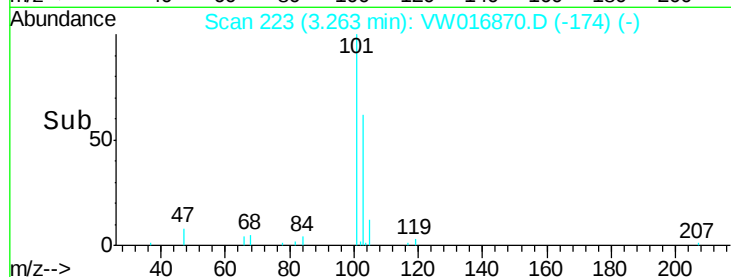
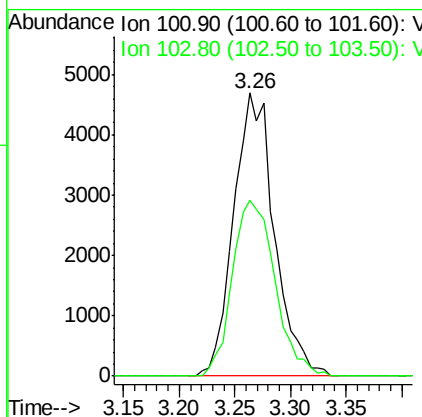
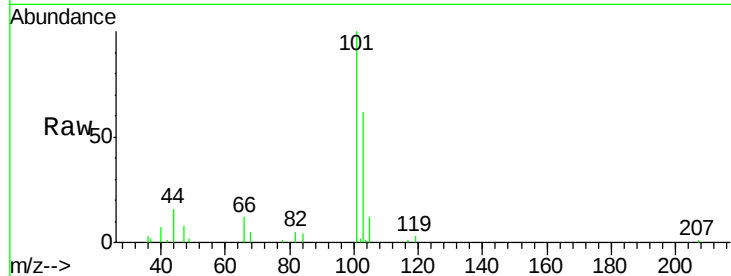
Trichlorofluoromethane
 Concen: 5.095 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.6	79.0

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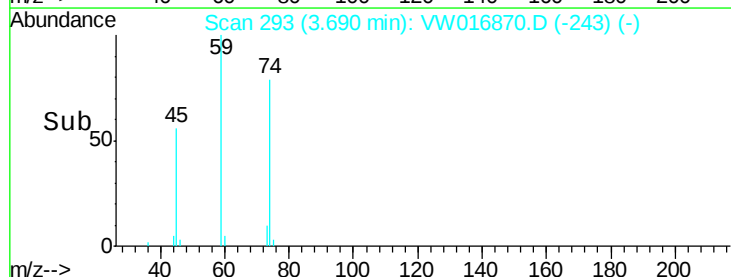
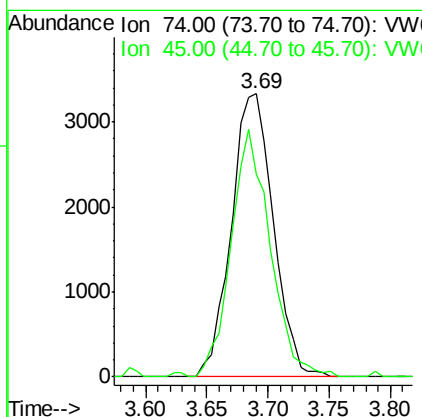
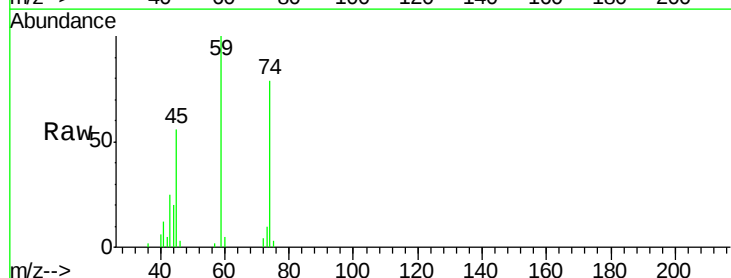
MMDadoda
 10/12/2020 4:20:56 PM

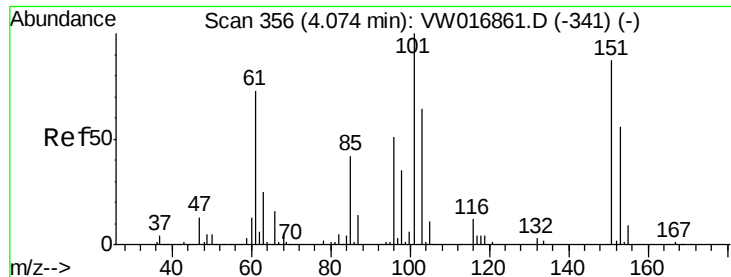


#8

Diethyl Ether
 Concen: 5.441 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.2	41.1	123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.398 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

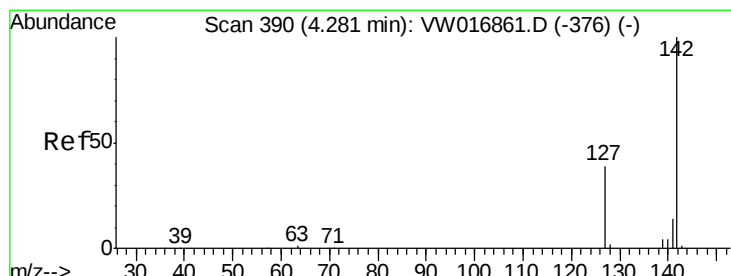
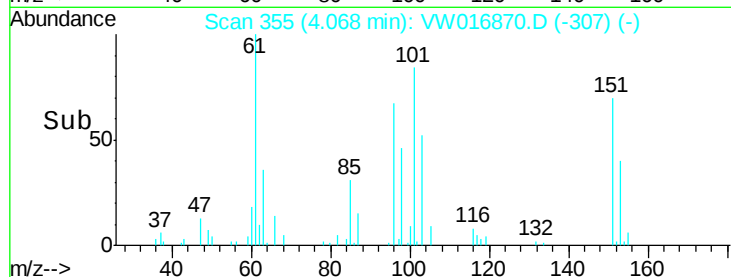
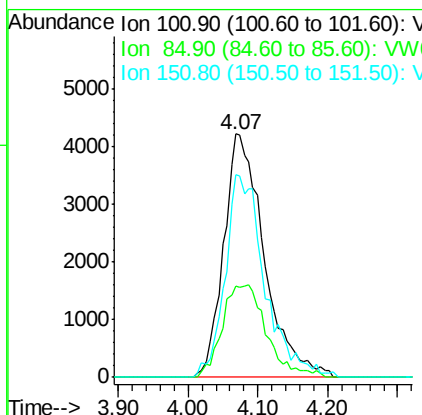
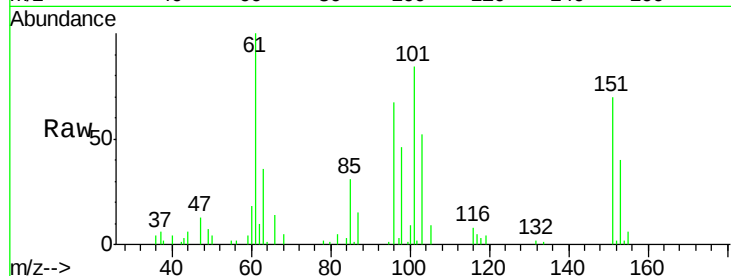
ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion:	101	Resp:	16997
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.2	49.8
151	81.3	66.6	100.0

Manual Integrations
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#10

Methyl Iodide

Concen: 5.466 ug/l

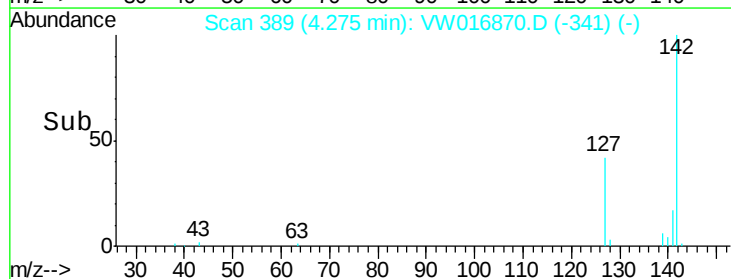
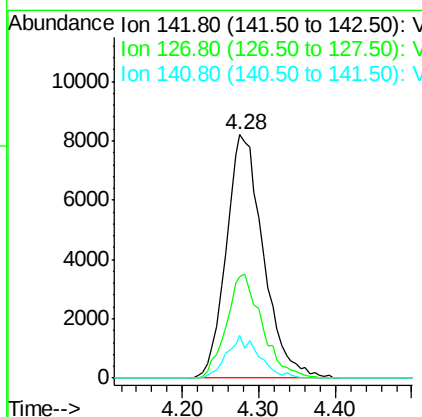
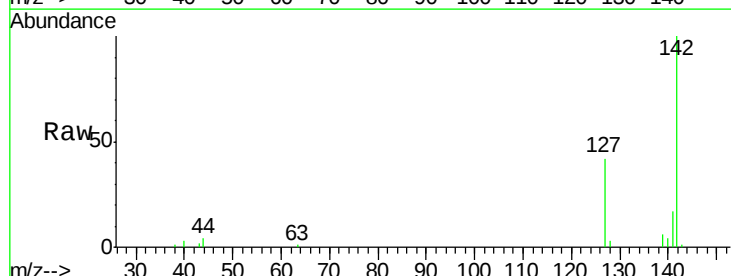
RT: 4.28 min Scan# 389

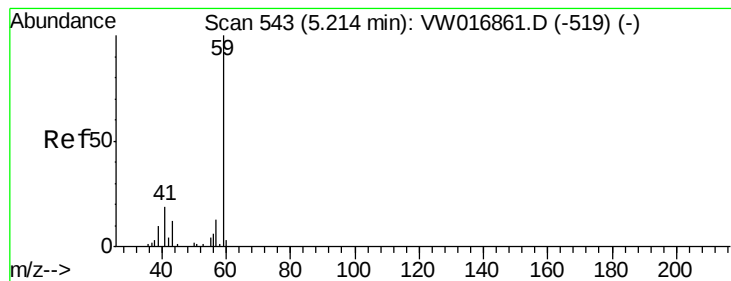
Delta R.T. -0.01 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Tgt Ion:	142	Resp:	27513
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.4	48.6
141	15.2	11.4	17.0





#11

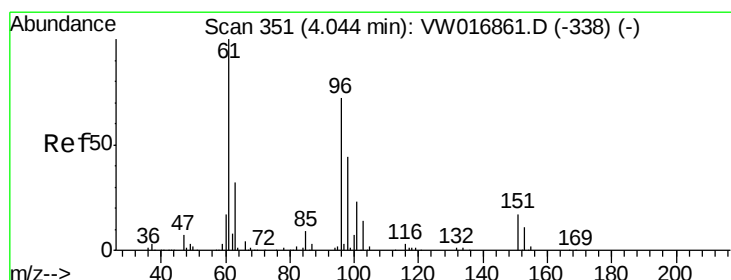
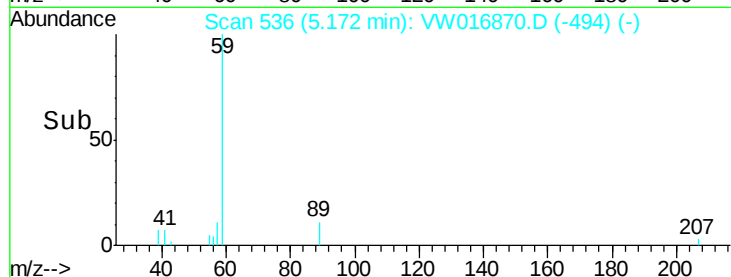
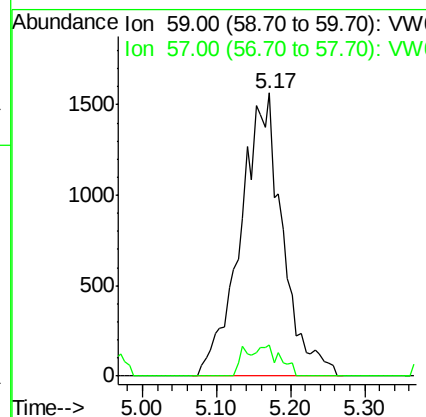
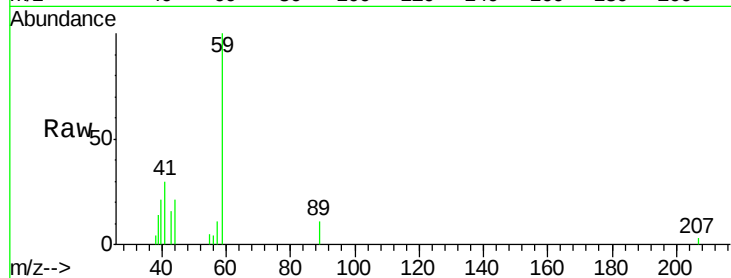
Tert butyl alcohol
Concen: 41.847 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.04 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion: 59 Resp: 6178
Ion Ratio Lower Upper
59 100
57 6.1 4.7 7.1

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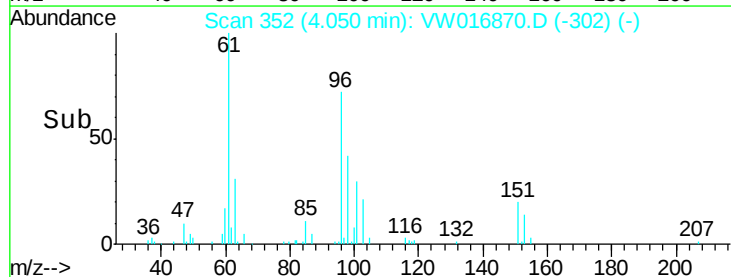
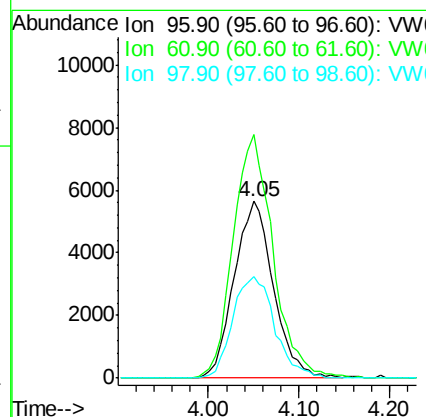
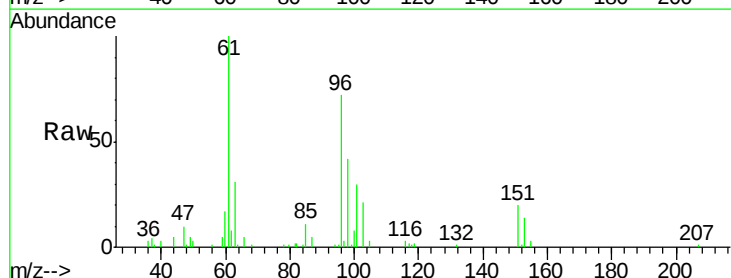
MMDadoda
10/12/2020 4:20:56 PM

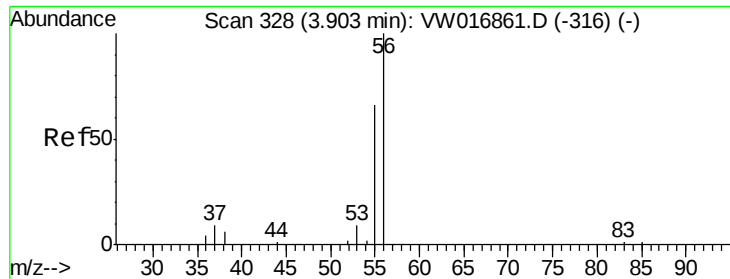


#12

1,1-Dichloroethene
Concen: 5.466 ug/l
RT: 4.05 min Scan# 352
Delta R.T. 0.01 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion: 96 Resp: 16989
Ion Ratio Lower Upper
96 100
61 138.0 111.7 167.5
98 57.5 49.0 73.4





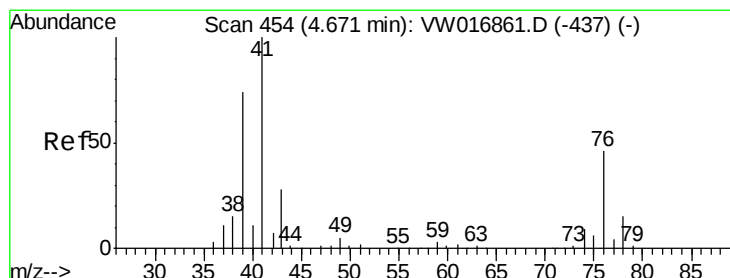
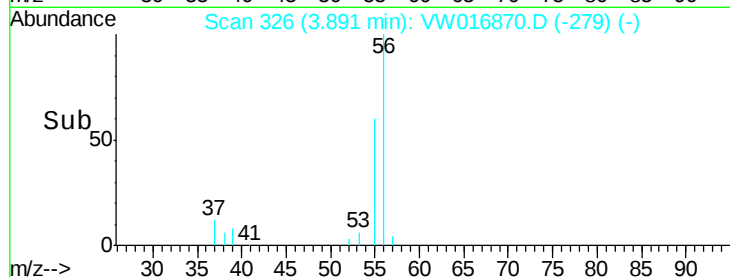
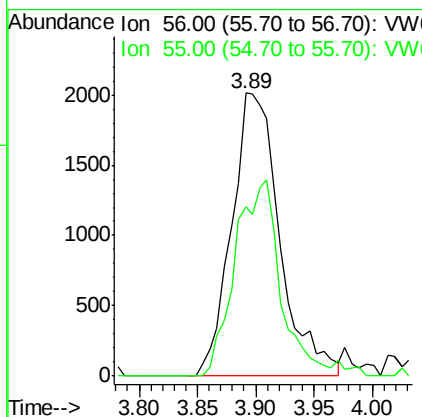
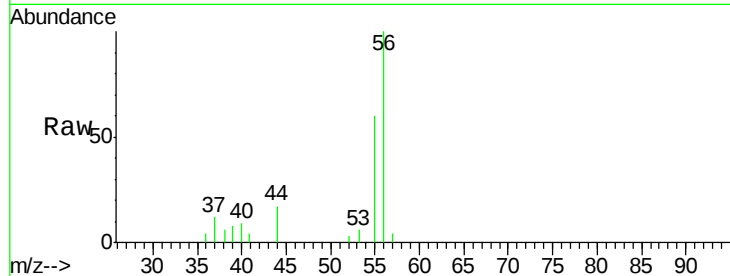
#13
Acrolein
Concen: 29.085 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.01 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	56	Resp	5805
Ion Ratio	100	Lower	Upper
55	65.0	55.9	83.9

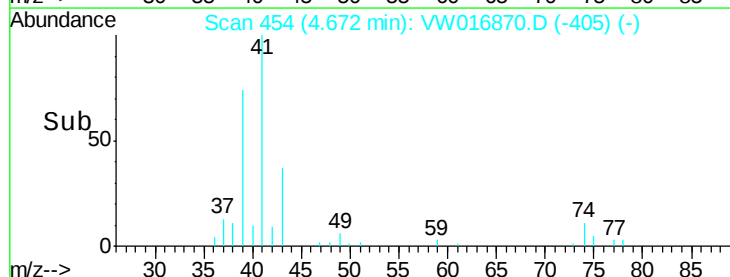
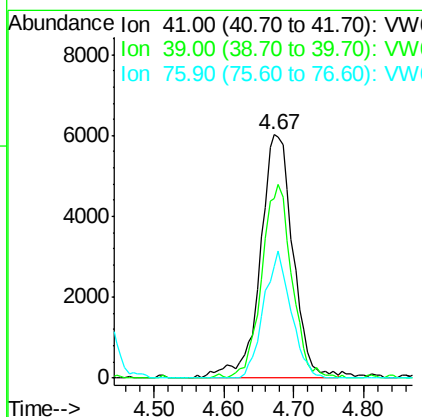
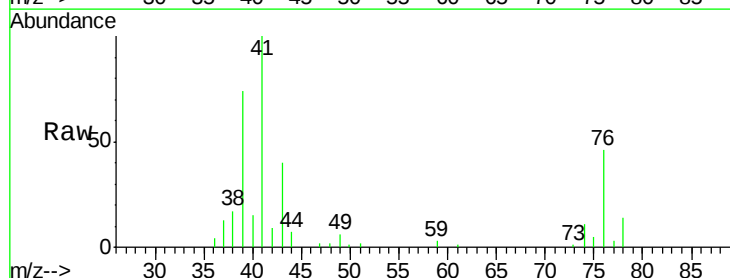
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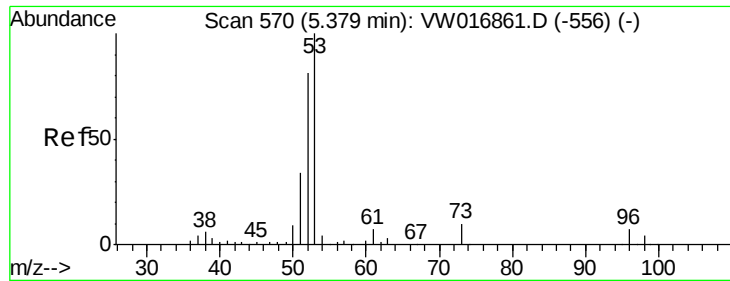
MMDadoda
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#14
Allyl chloride
Concen: 5.270 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	41	Resp	19606
Ion Ratio	100	Lower	Upper
39	73.0	57.8	86.8
76	43.4	35.1	52.7





#15

Acrylonitrile

Concen: 28.209 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

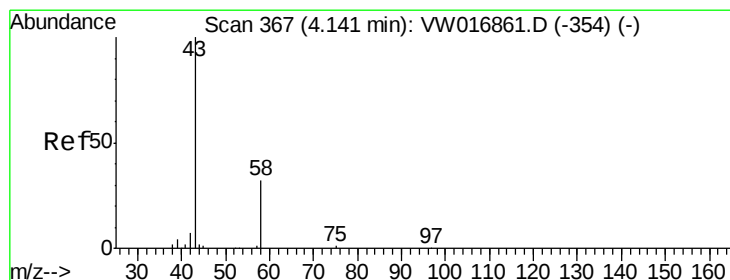
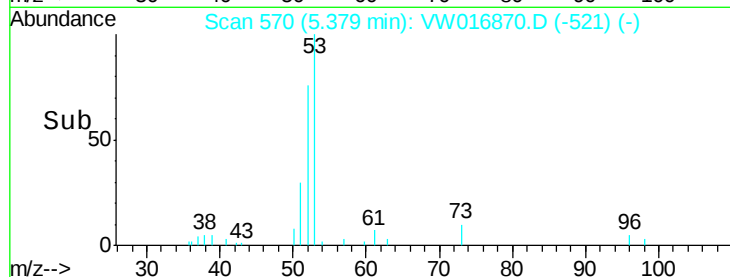
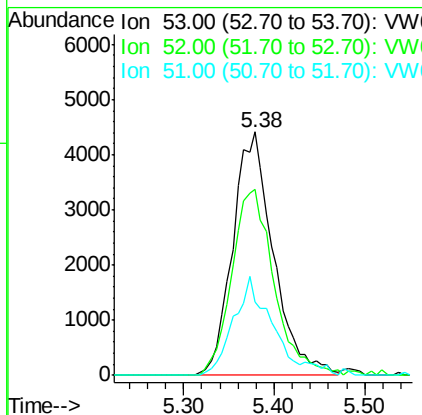
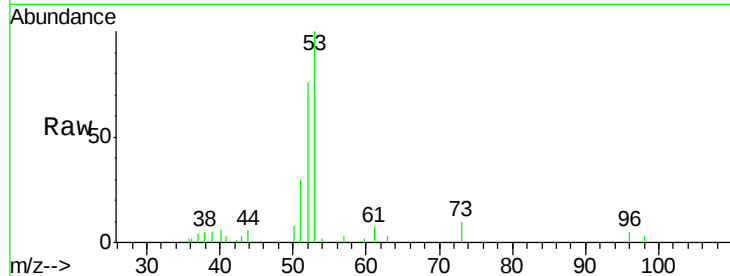
ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion:	53	Resp:	13714
Ion	Ratio	Lower	Upper
53	100		
52	79.5	65.0	97.4
51	39.2	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 30.101 ug/l

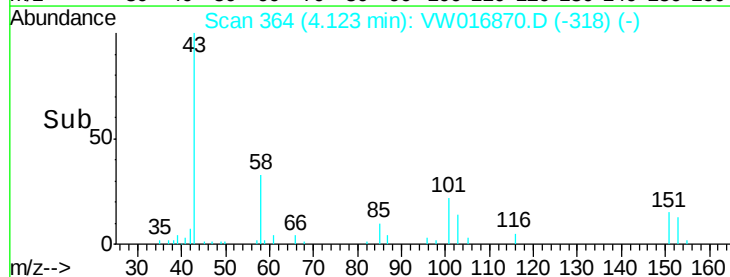
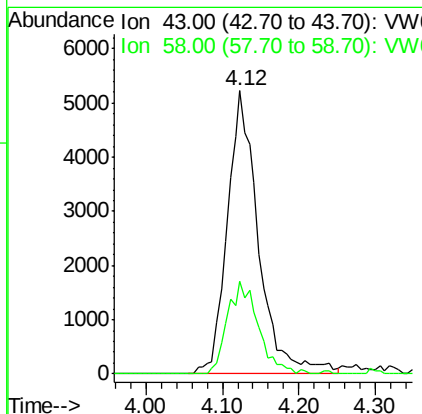
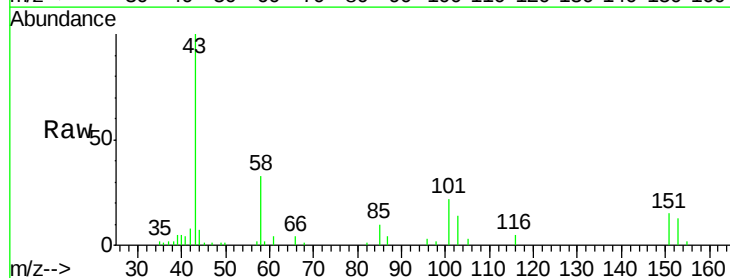
RT: 4.12 min Scan# 364

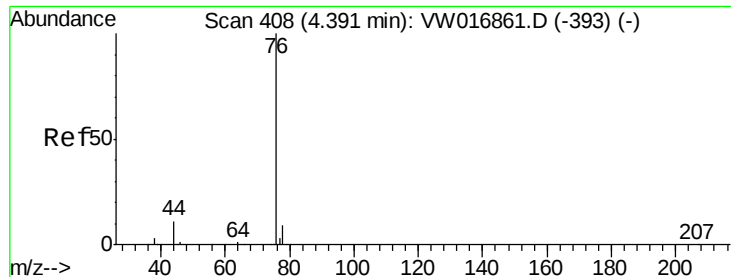
Delta R.T. -0.02 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Tgt Ion:	43	Resp:	14727
Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.7	38.5





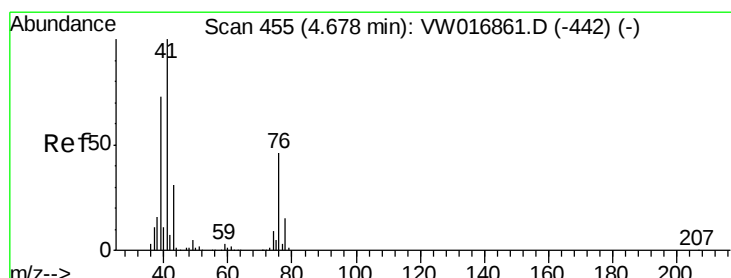
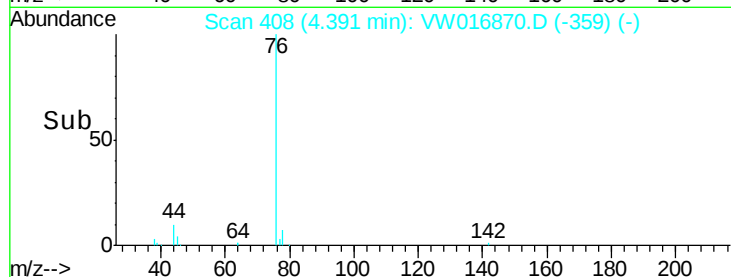
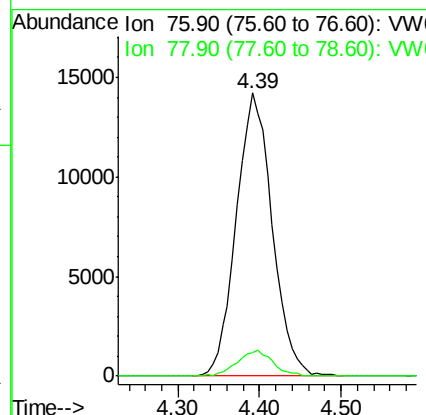
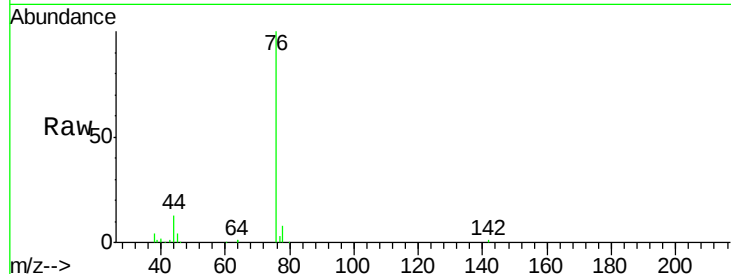
#17
Carbon Disulfide
Concen: 5.248 ug/l
RT: 4.39 min Scan# 408
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2

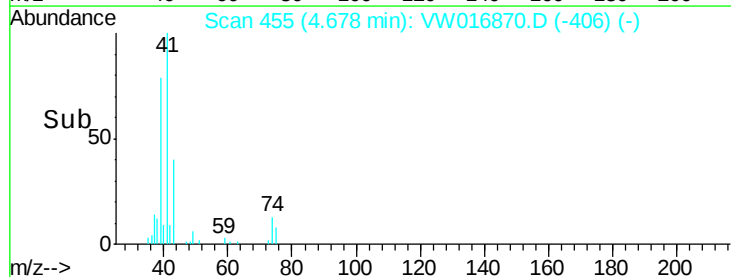
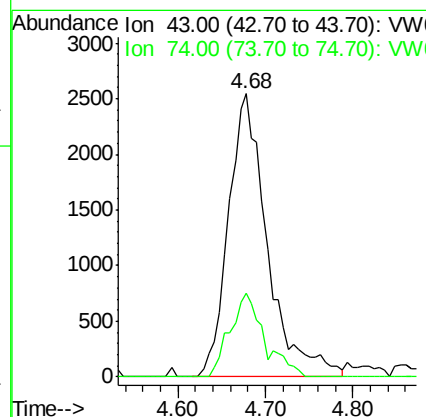
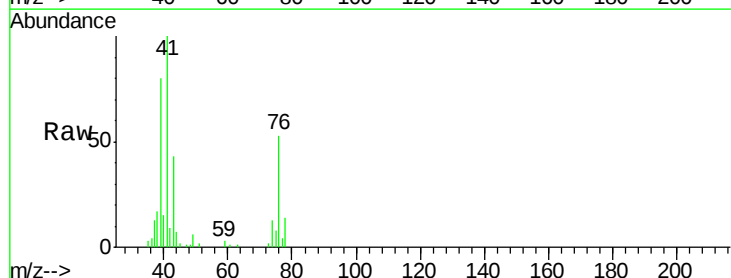
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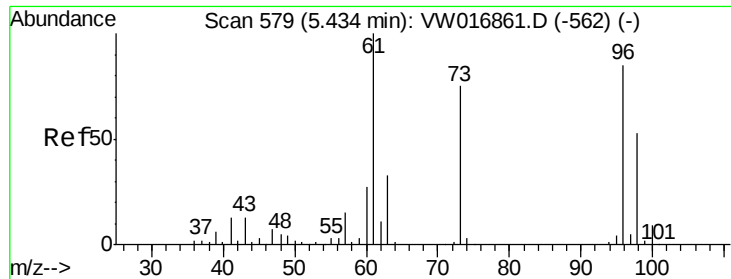
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#18
Methyl Acetate
Concen: 7.011 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	23.8	35.6





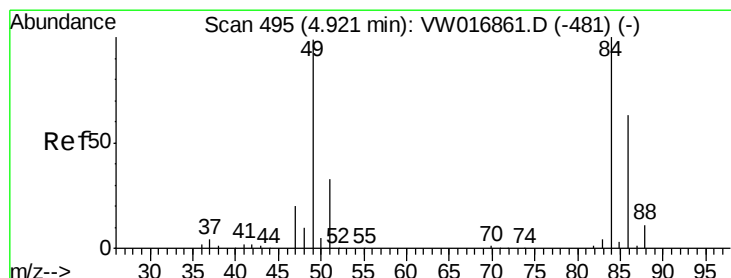
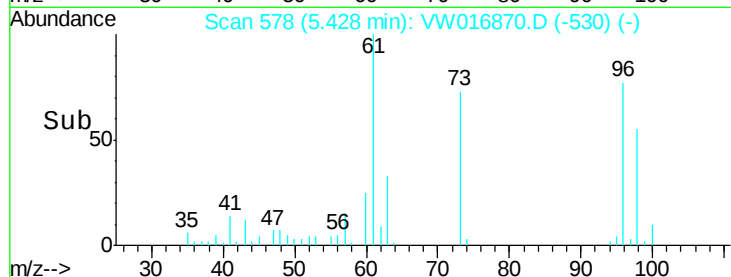
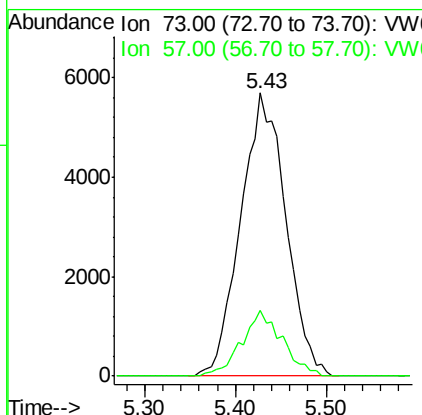
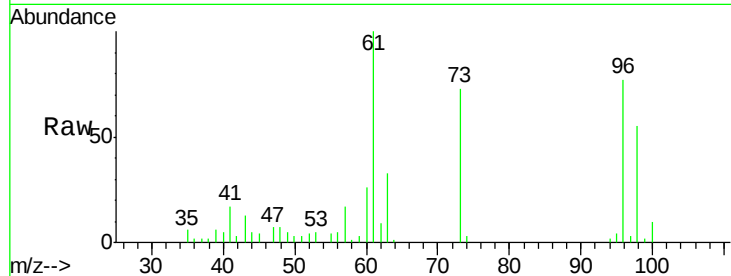
#19
Methyl tert-butyl Ether
Concen: 5.856 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion: 73 Resp: 19616
Ion Ratio Lower Upper
73 100
57 23.3 16.1 24.1

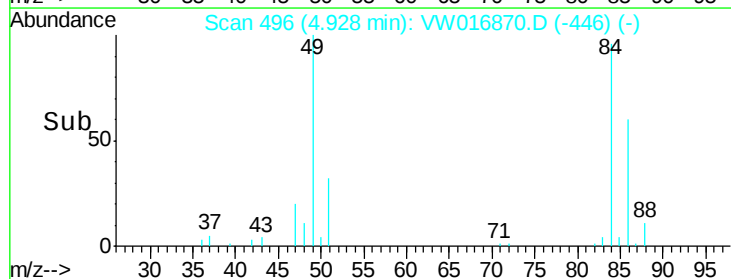
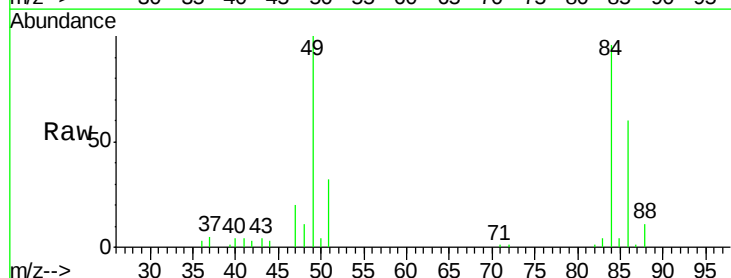
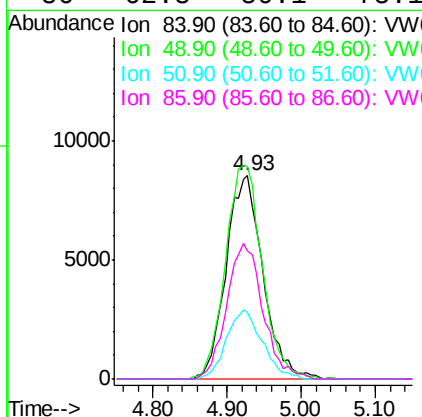
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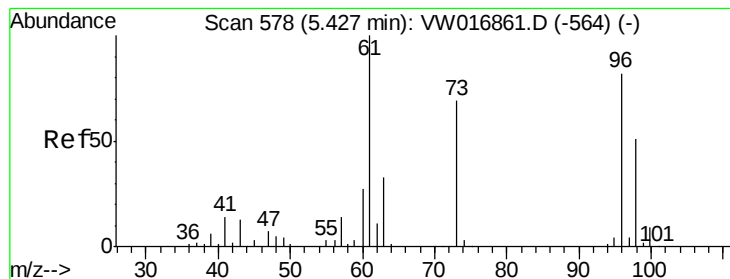
MMDadoda
10/12/2020 4:20:56 PM



#20
Methylene Chloride
Concen: 7.612 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion: 84 Resp: 29513
Ion Ratio Lower Upper
84 100
49 104.6 79.0 118.6
51 33.0 26.1 39.1
86 62.8 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 5.399 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

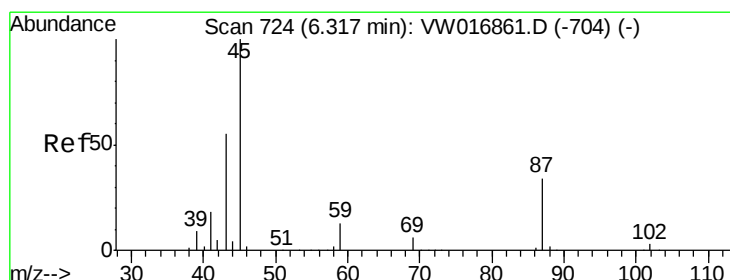
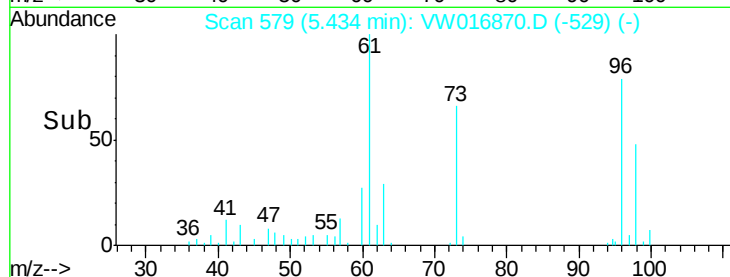
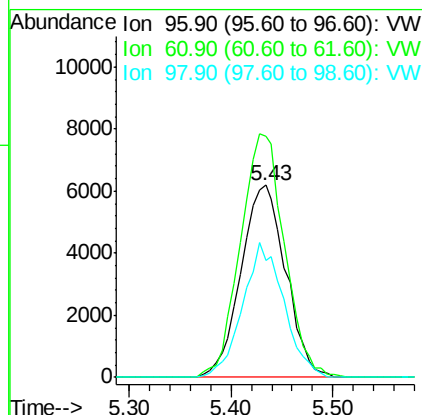
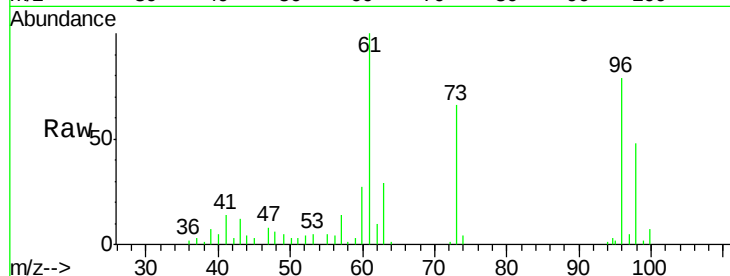
ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion:	96	Resp:	18838
Ion	Ratio	Lower	Upper
96	100		
61	125.8	97.4	146.0
98	60.9	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.457 ug/l

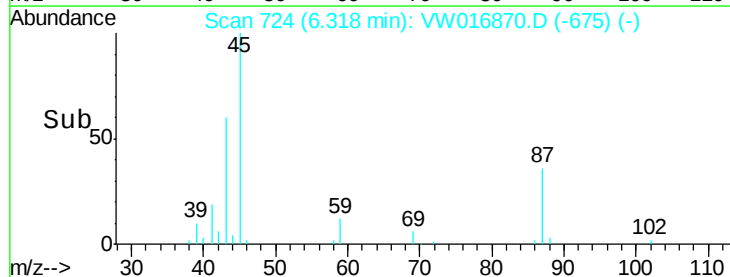
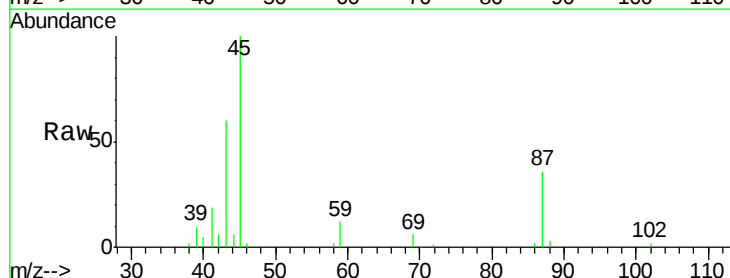
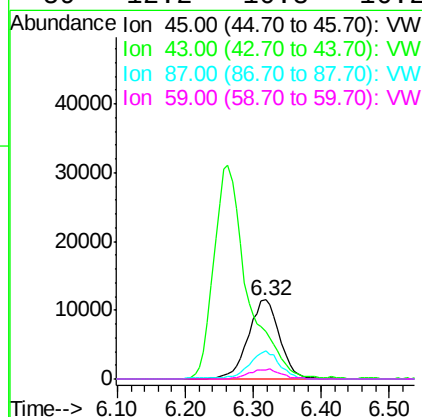
RT: 6.32 min Scan# 724

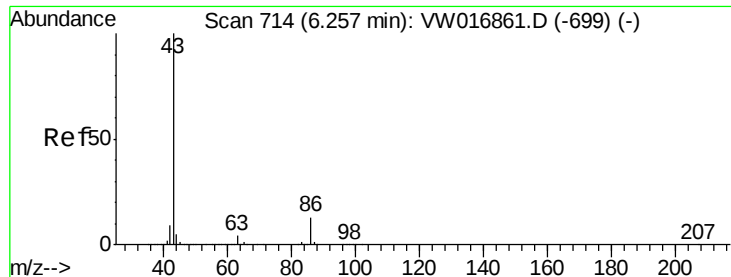
Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Tgt Ion:	45	Resp:	36897
Ion	Ratio	Lower	Upper
45	100		
43	59.0	43.8	65.8
87	36.0	27.6	41.4
59	12.2	10.8	16.2





#23

Vinyl Acetate

Concen: 24.569 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion: 43 Resp: 106443

Ion Ratio Lower Upper

43 100

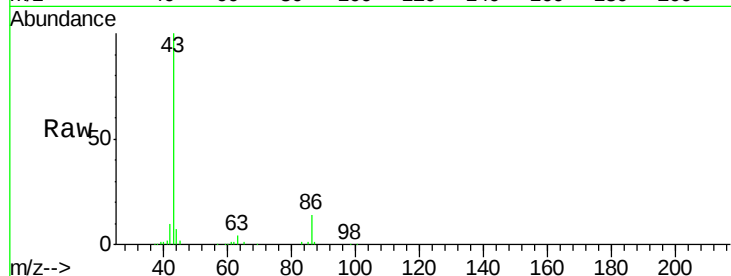
86 14.2 10.2 15.4

Manual Integrations

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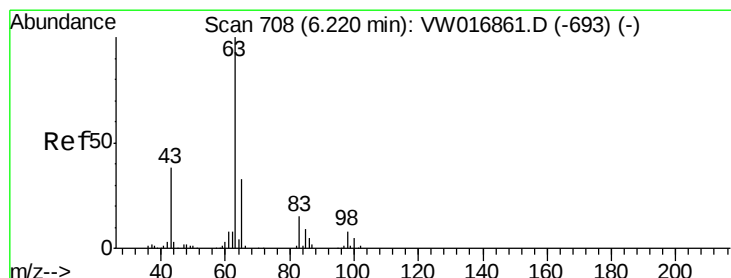
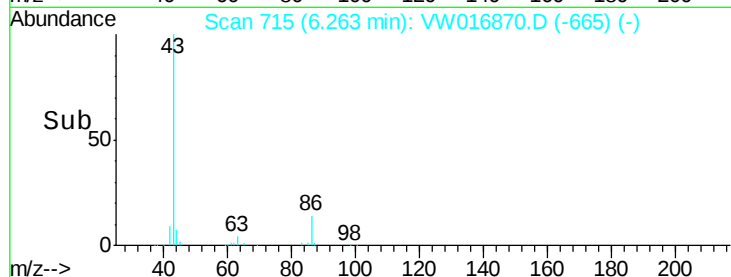
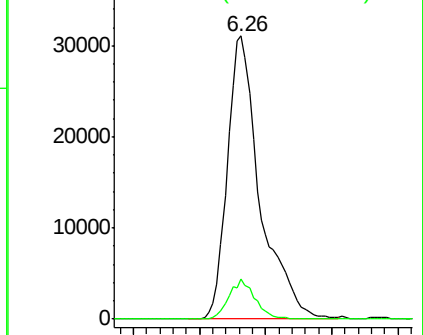
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 5.469 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

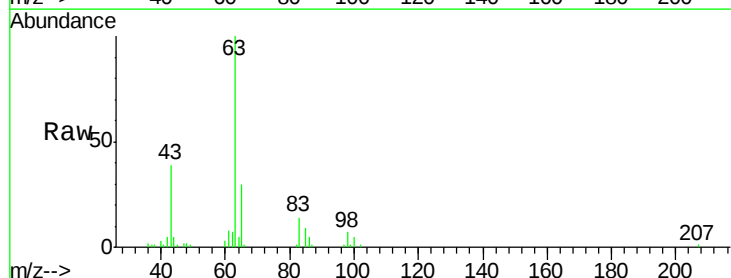
Tgt Ion: 63 Resp: 29319

Ion Ratio Lower Upper

63 100

98 6.7 4.2 12.6

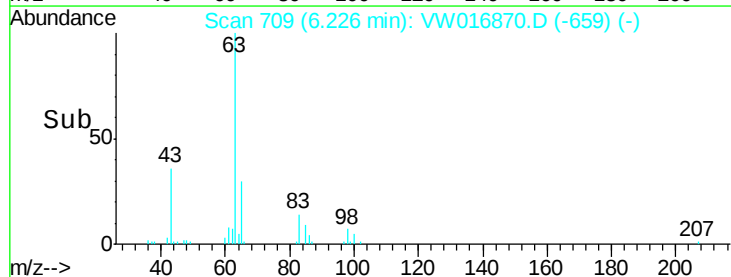
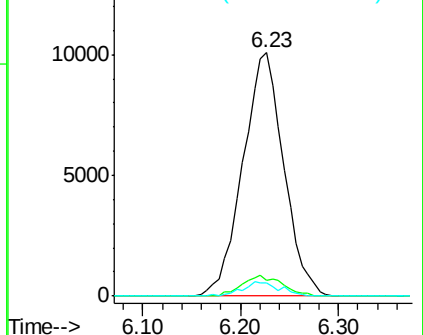
100 5.5 2.6 7.8

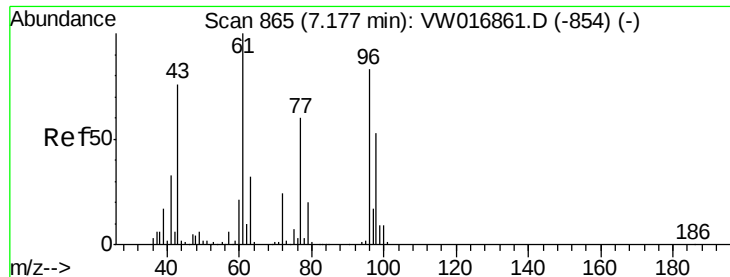


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





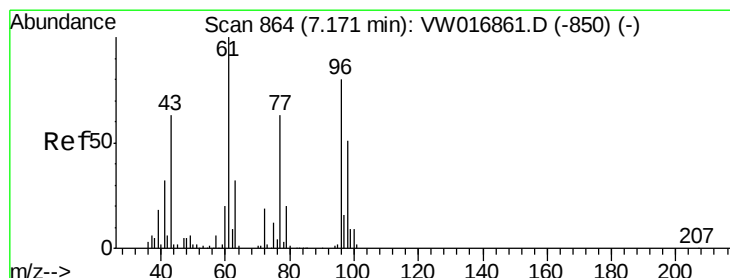
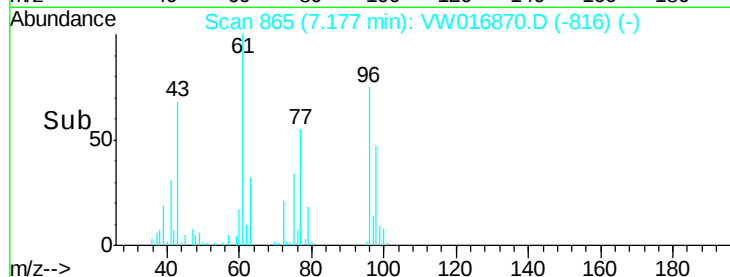
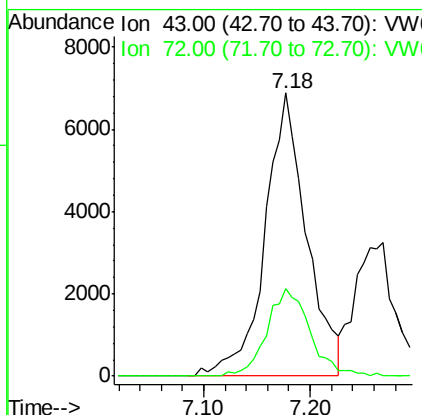
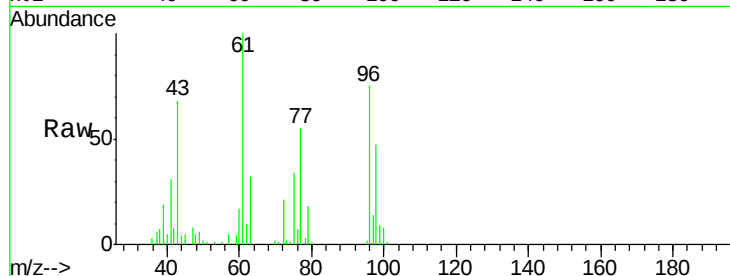
#25
2-Butanone
Concen: 28.614 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	43	Resp	18664
Ion Ratio	100	Lower	Upper
72	30.9	25.4	38.2

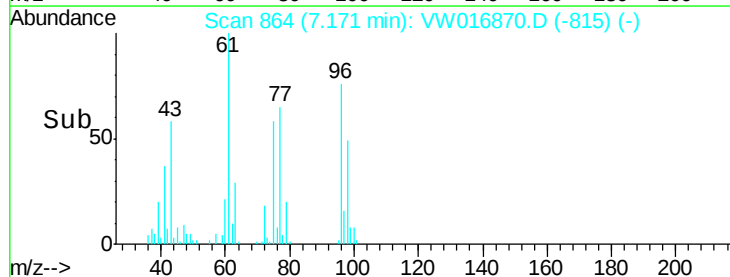
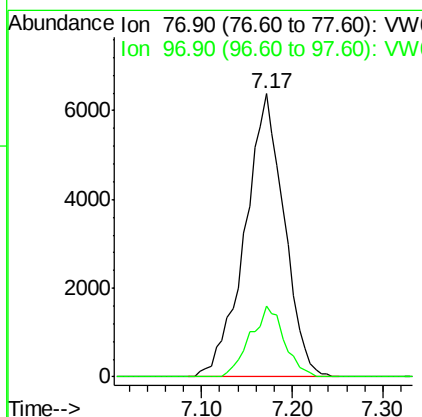
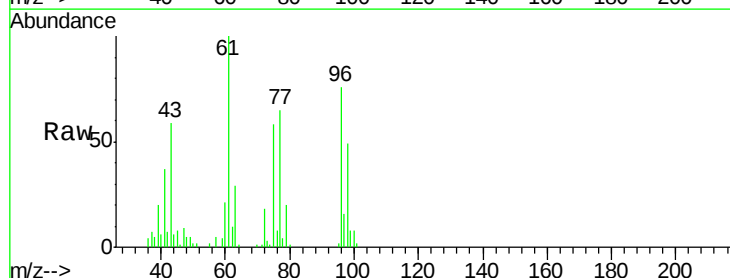
Manual Integrations
APPROVED

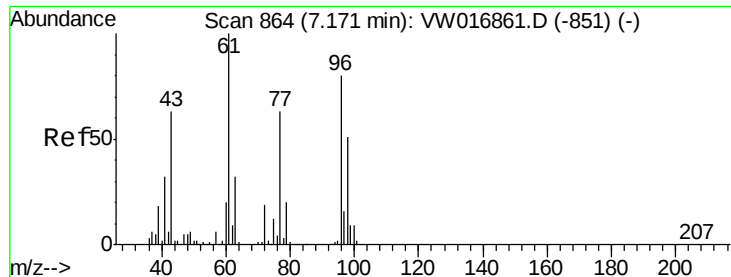
MMDadoda
10/12/2020 4:20:56 PM



#26
2,2-Dichloropropane
Concen: 5.833 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	77	Resp	19134
Ion Ratio	100	Lower	Upper
97	21.5	12.4	37.4





#27

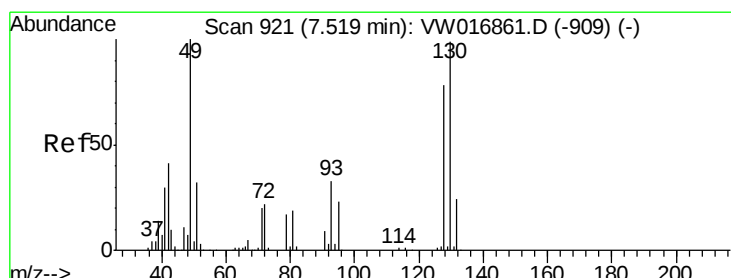
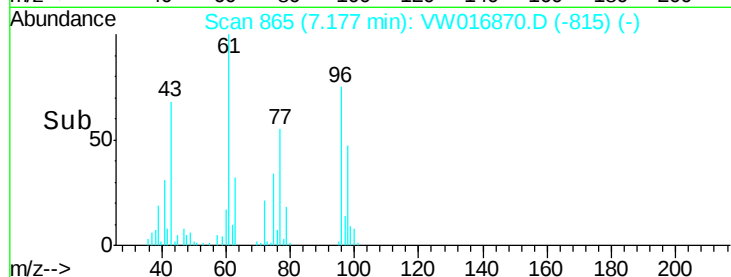
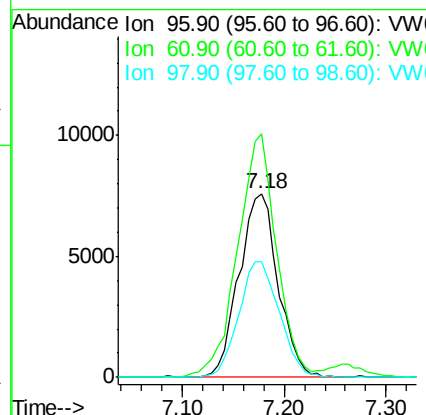
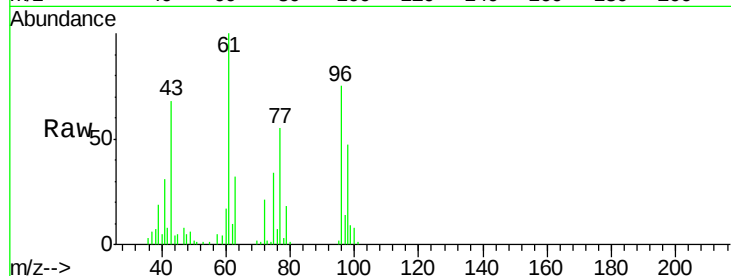
cis-1,2-Dichloroethene
Concen: 5.388 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	249.6
98	65.5	0.0	129.4

Manual Integrations
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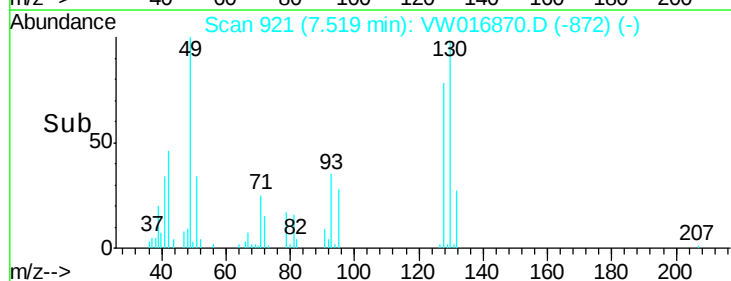
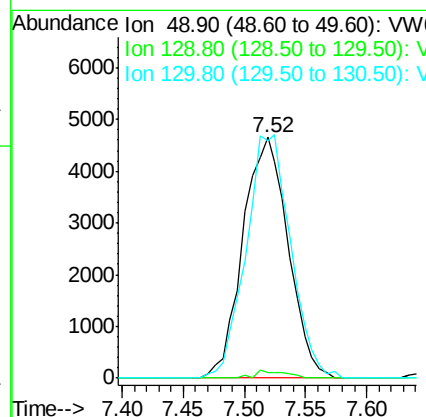
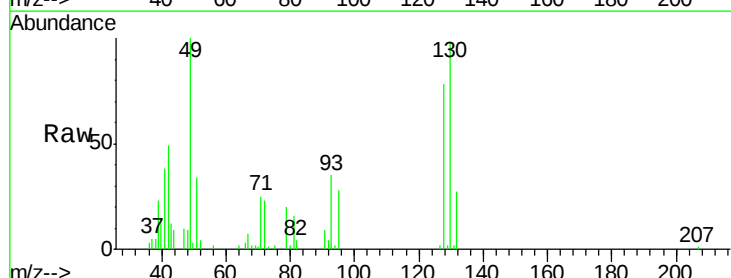
MMDadoda
10/12/2020 4:20:56 PM

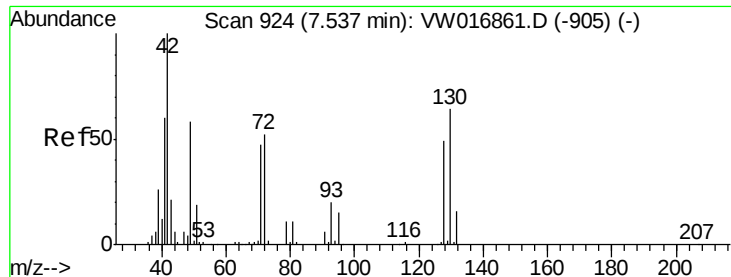


#28

Bromochloromethane
Concen: 5.569 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.8
130	100.0	81.3	121.9





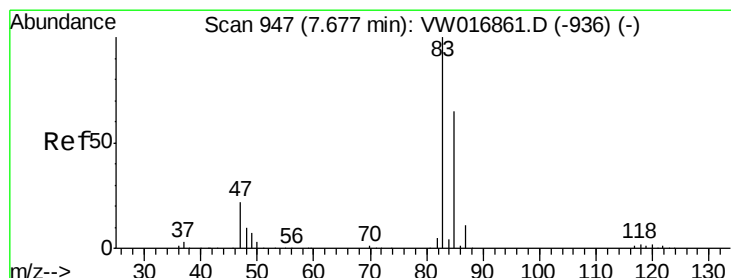
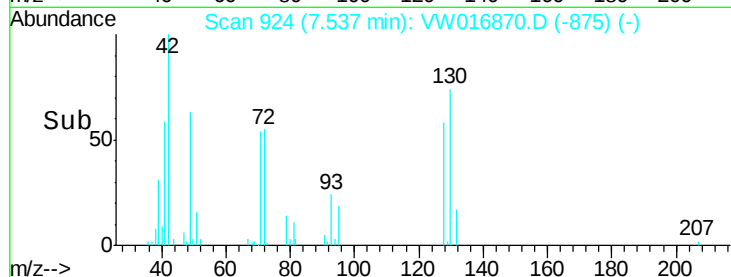
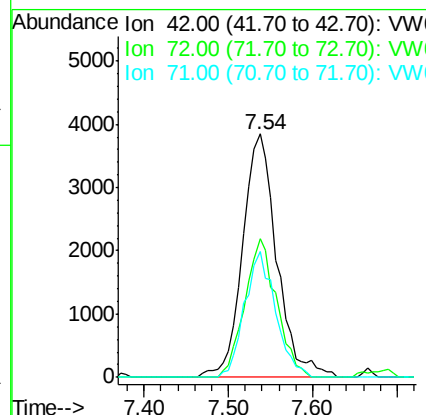
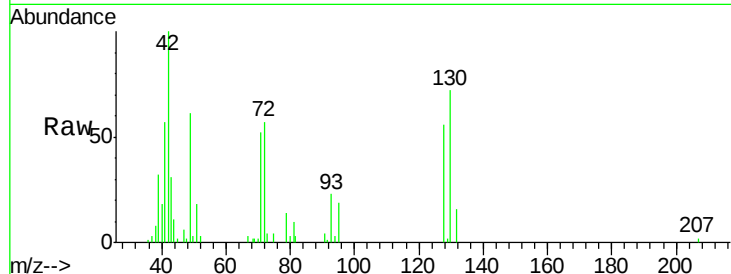
#29
Tetrahydrofuran
Concen: 28.863 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.0	42.0	63.0
71	46.5	39.0	58.6

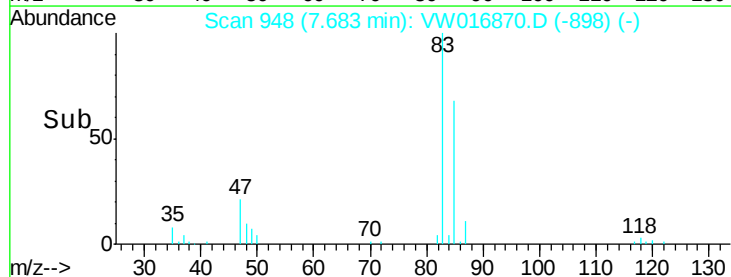
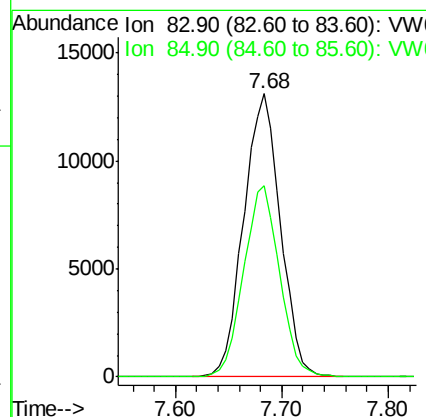
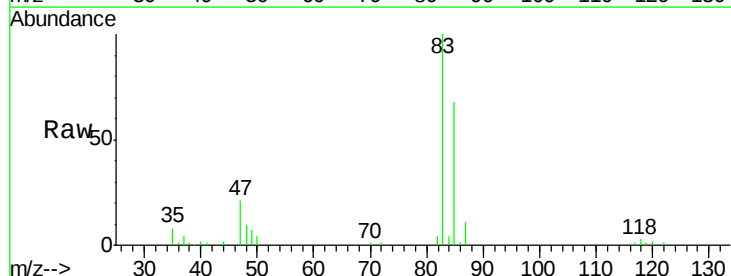
Manual Integrations
APPROVED

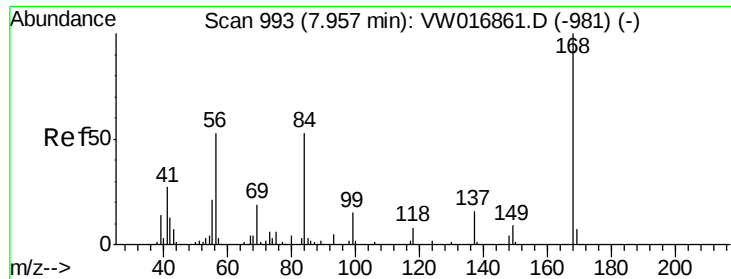
MMDadoda
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#30
Chloroform
Concen: 5.435 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.7	77.5





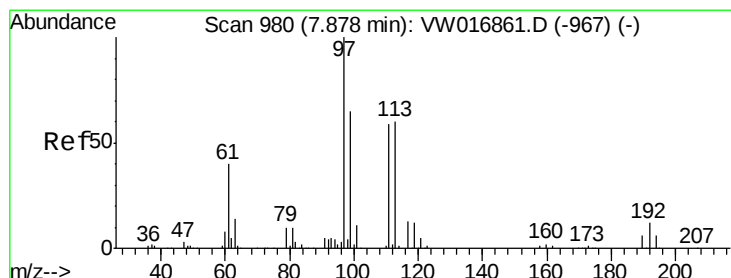
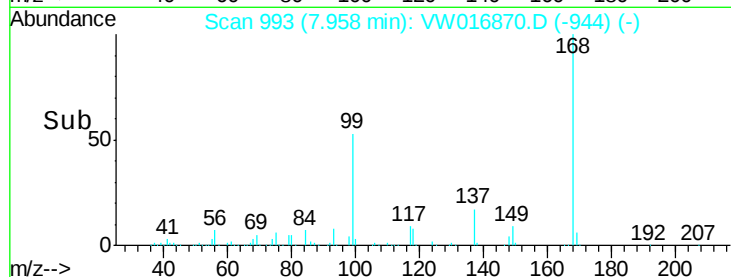
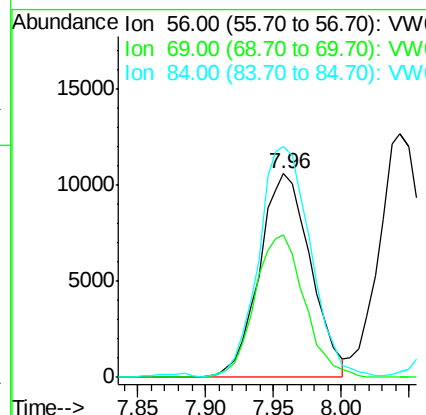
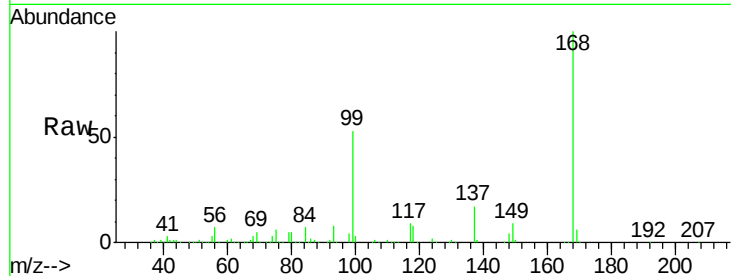
#31
Cyclohexane
Concen: 6.076 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	70.1	29.3	43.9#
84	112.2	80.5	120.7

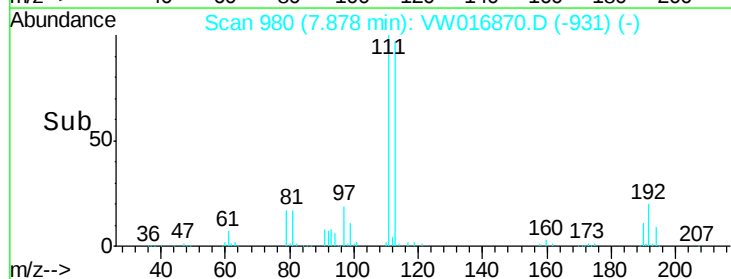
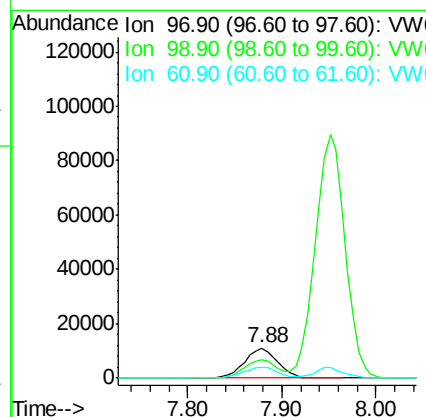
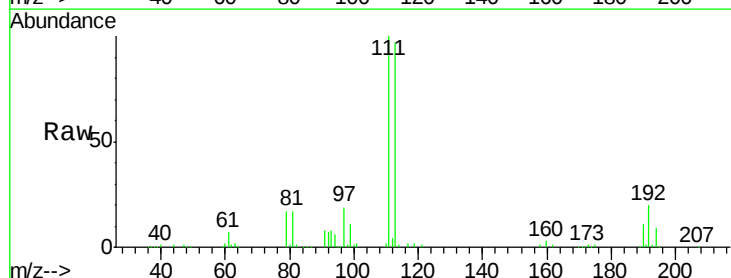
Manual Integrations
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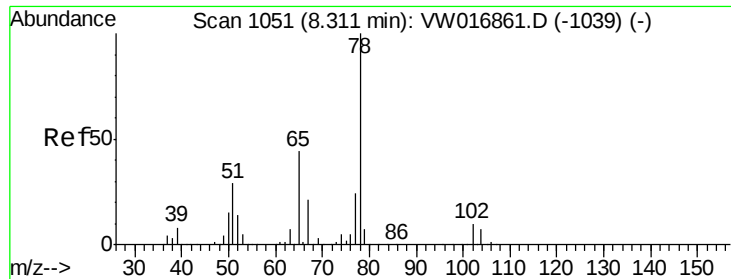
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#32
1,1,1-Trichloroethane
Concen: 5.484 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.4	78.6
61	38.7	31.9	47.9





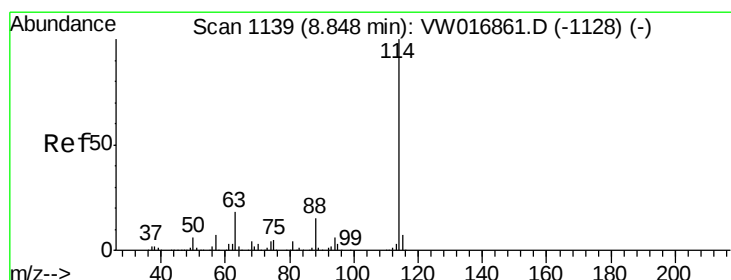
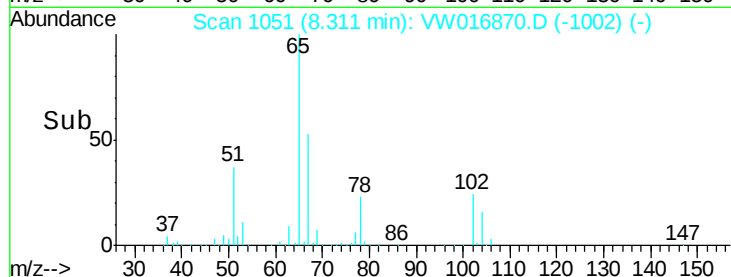
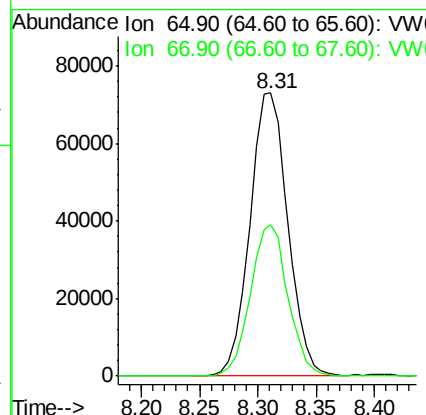
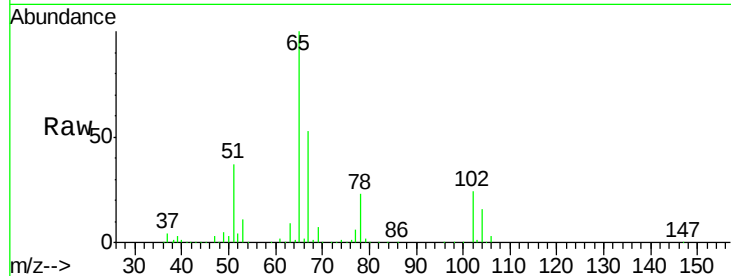
#33
 1,2-Dichloroethane-d4
 Concen: 54.672 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165156		
67	52.8	0.0	103.8	

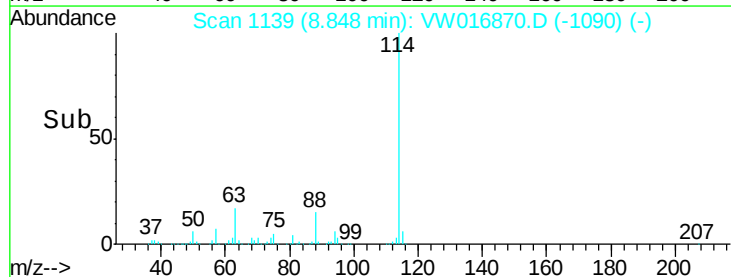
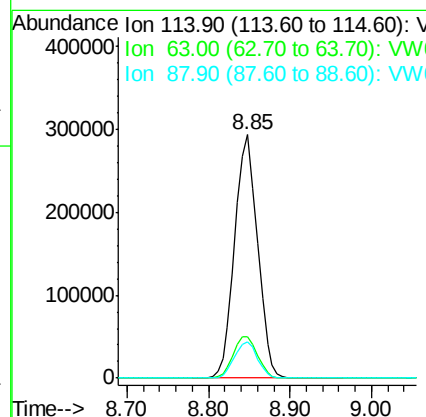
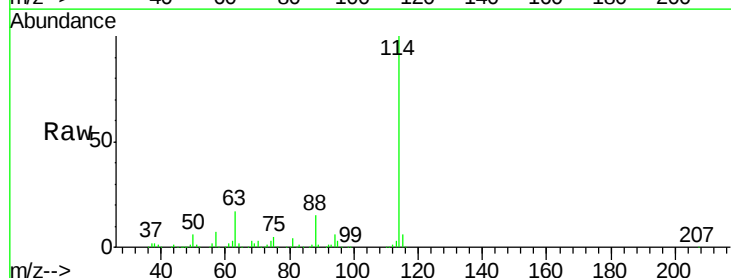
Manual Integrations
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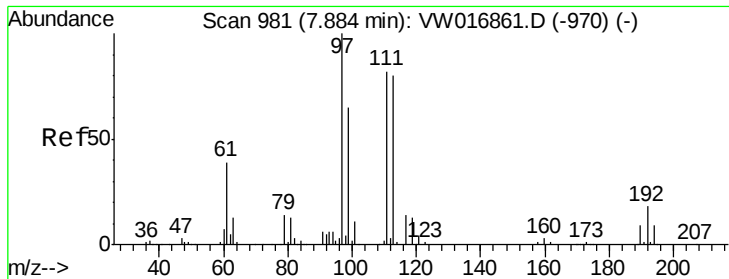
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 10/12/2020 4:20:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	567242		
63	16.9	0.0	35.6	
88	14.6	0.0	30.4	





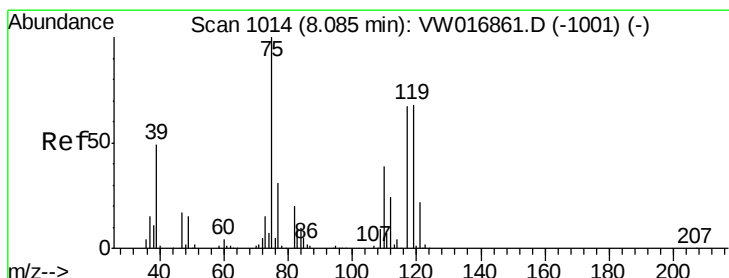
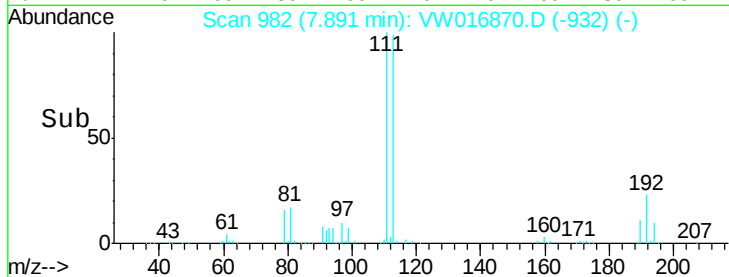
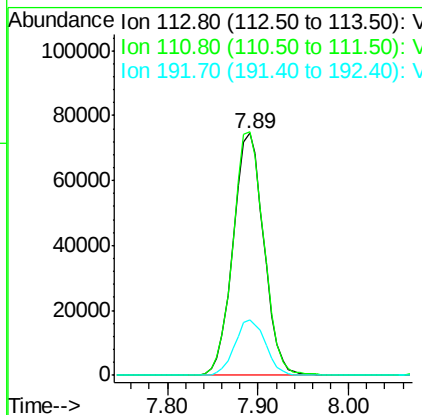
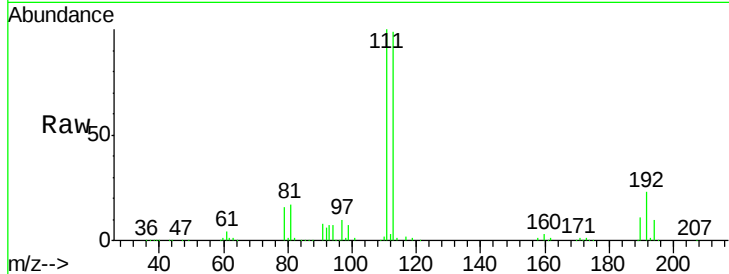
#35
 Dibromofluoromethane
 Concen: 50.840 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	176758		
111	101.1	81.4	122.2	
192	22.9	17.8	26.8	

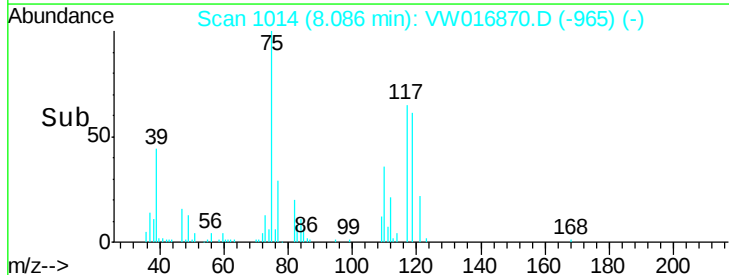
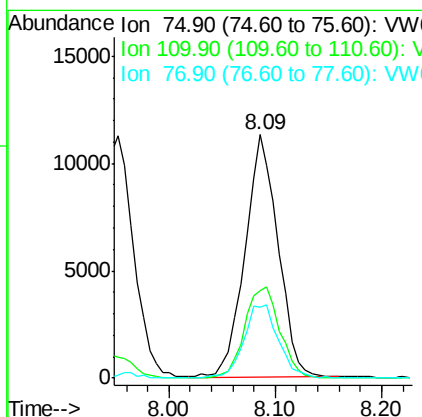
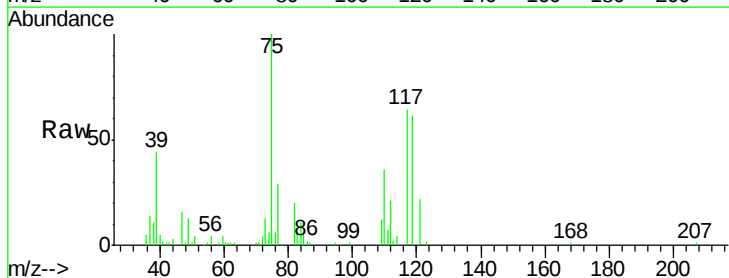
Manual Integrations
 APPROVED

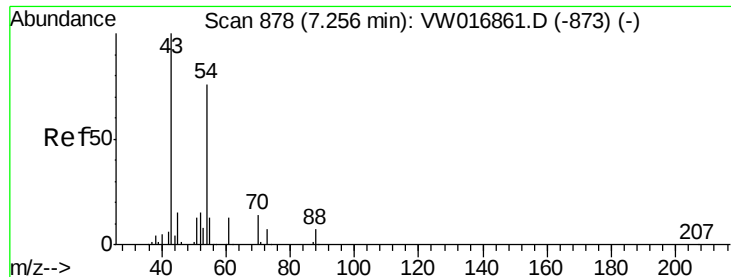
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 10/12/2020 4:20:56 PM



#36
 1,1-Dichloropropene
 Concen: 5.030 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24665		
110	39.7	19.3	57.9	
77	31.4	25.0	37.6	





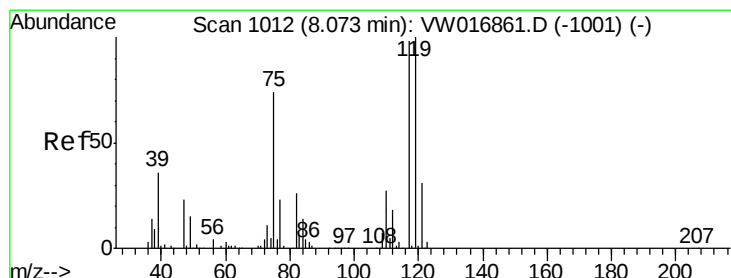
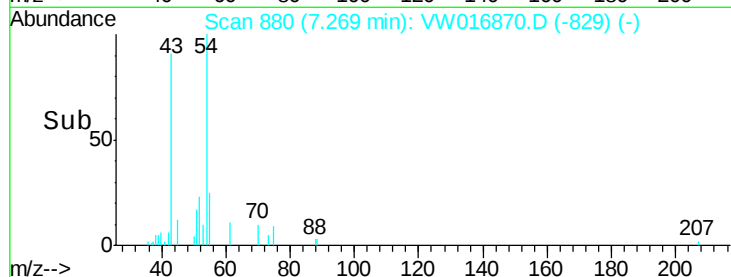
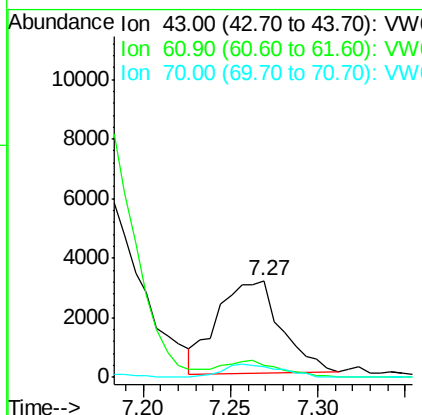
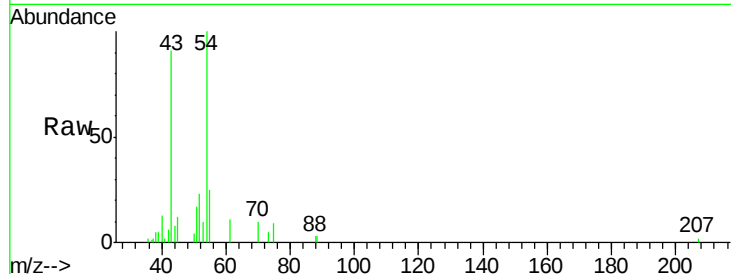
#37
Ethyl Acetate
Concen: 4.889 ug/l
RT: 7.27 min Scan# 880
Delta R.T. 0.01 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.0	18.0
70	12.9	9.9	14.9

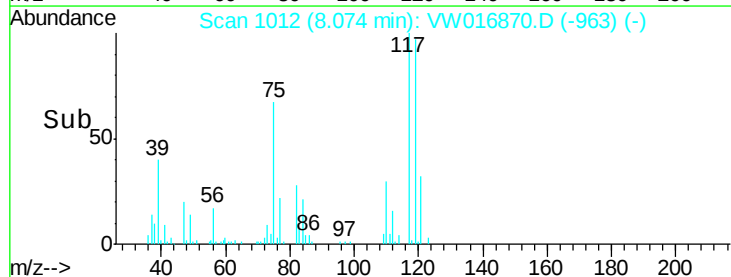
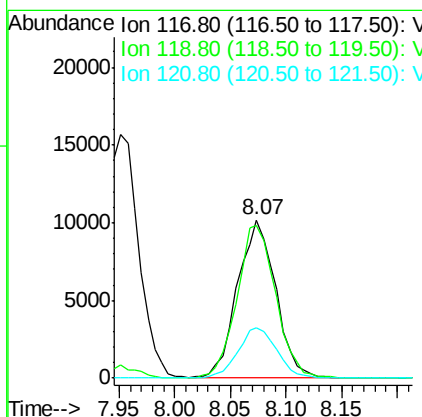
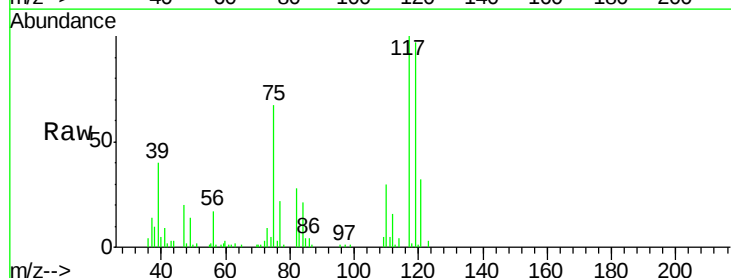
Manual Integrations
APPROVED

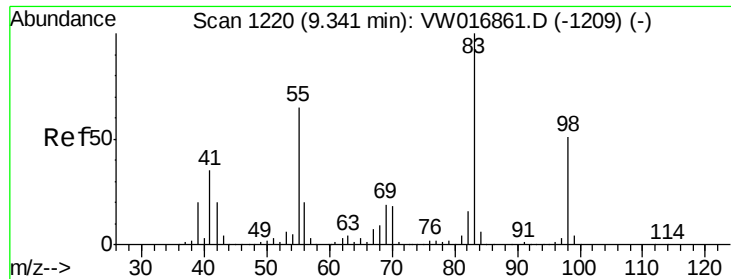
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10/12/2020 4:20:56 PM



#38
Carbon Tetrachloride
Concen: 4.760 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	81.6	122.4
121	31.8	25.7	38.5





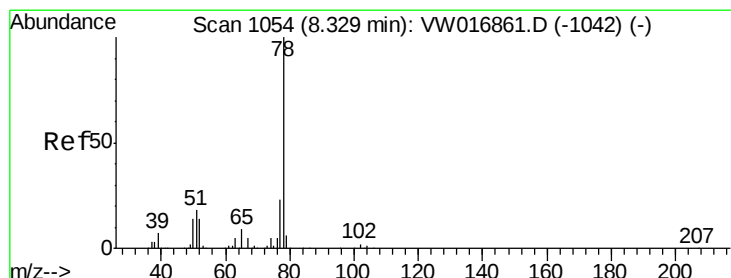
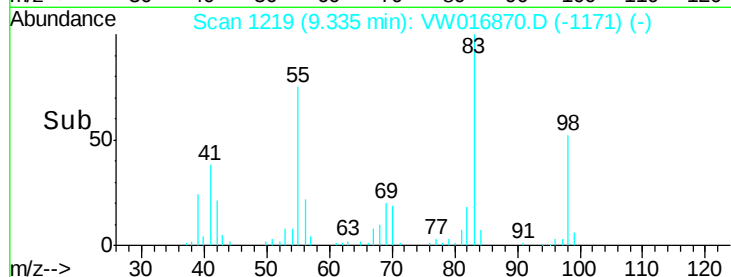
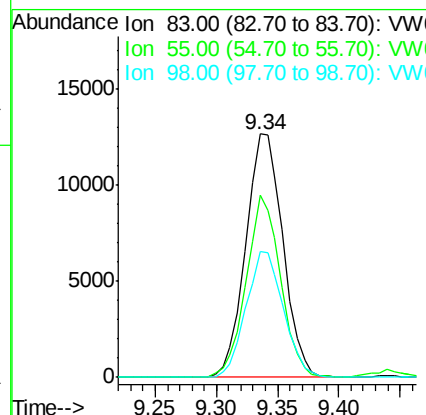
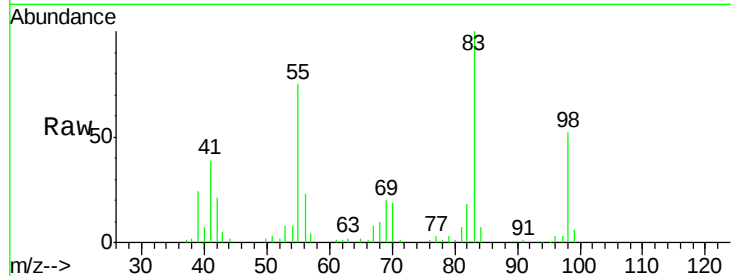
#39
Methvlcvclohexane
Concen: 4.780 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	83	Resp	26728
Ion Ratio	100	Lower	Upper
83	100		
55	74.8	51.7	77.5
98	51.7	41.0	61.4

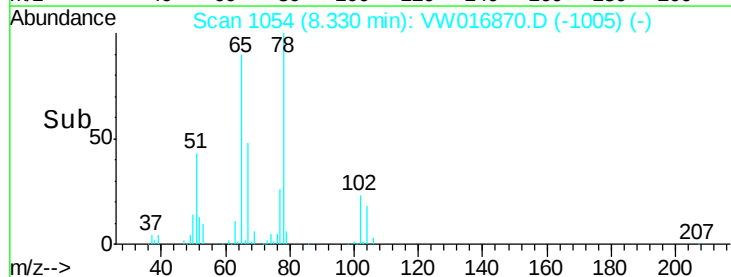
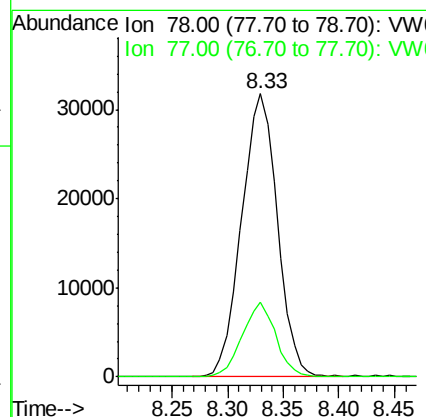
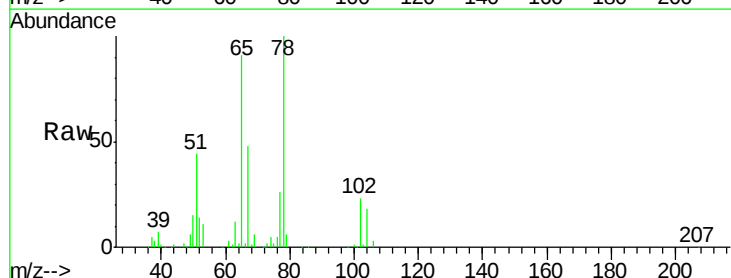
Manual Integrations
APPROVED

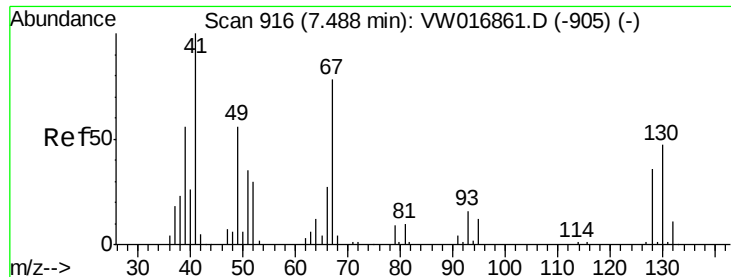
MMDadoda
10/12/2020 4:20:56 PM



#40
Benzene
Concen: 5.191 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	78	Resp	70926
Ion Ratio	100	Lower	Upper
78	100		
77	26.4	18.5	27.7





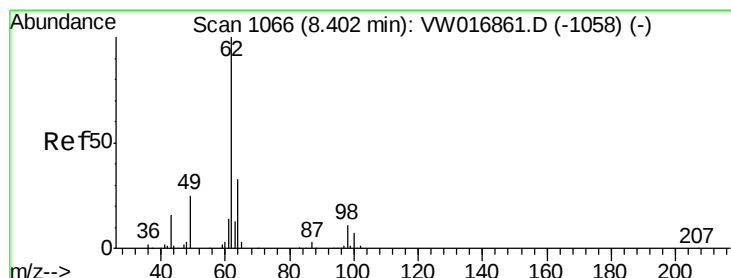
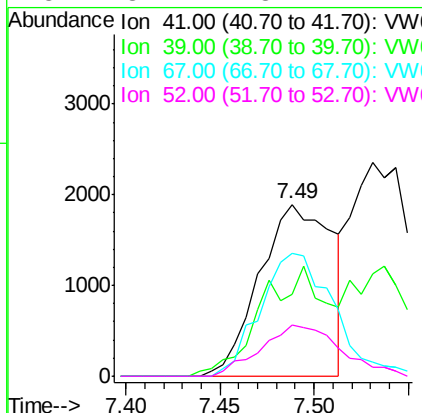
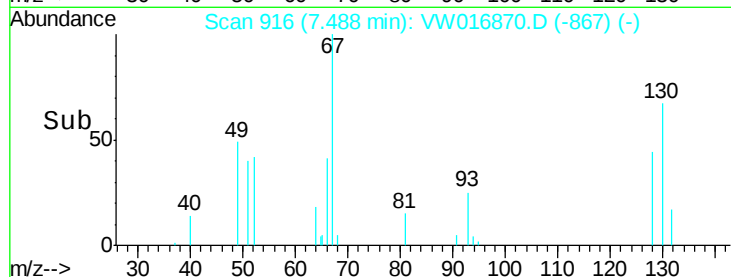
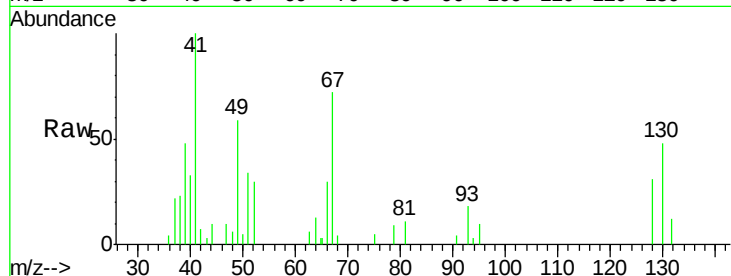
#41
Methacrylonitrile
Concen: 5.338 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion:	41	Resp:	5068
Ion	Ratio	Lower	Upper
41	100		
39	58.0	47.0	70.6
67	72.1	68.6	102.8
52	32.7	28.1	42.1

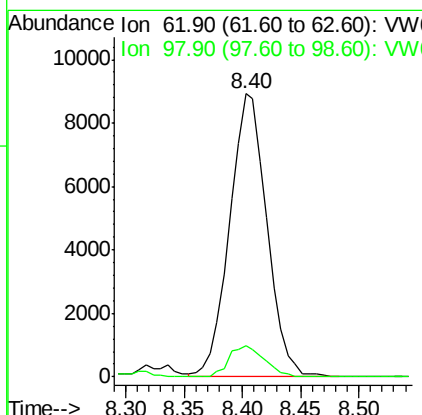
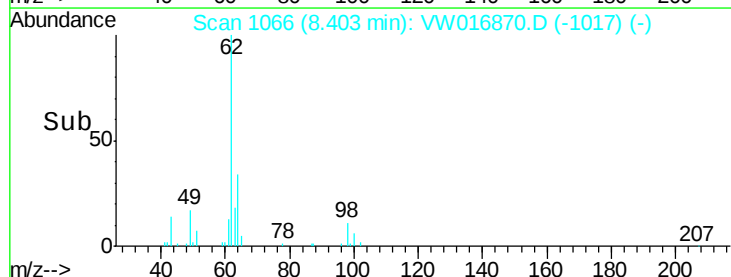
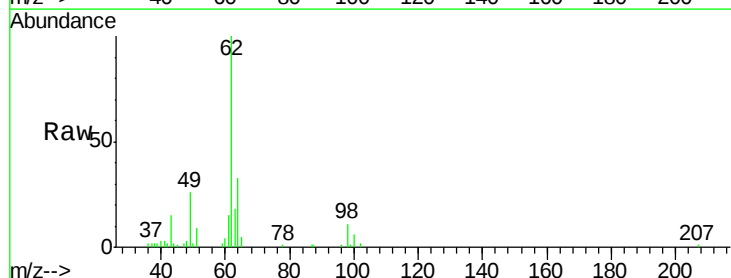
Manual Integrations
APPROVED

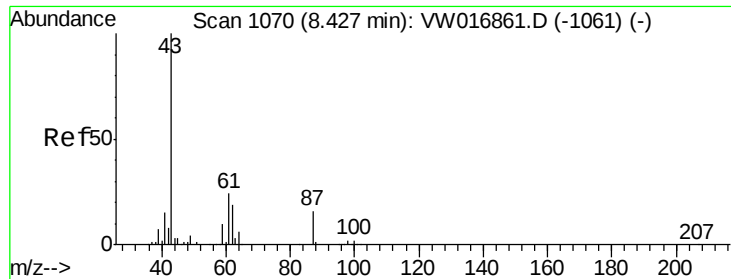
MMDadoda
10/12/2020 4:20:56 PM



#42
1,2-Dichloroethane
Concen: 5.308 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion:	62	Resp:	19840
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 5.224 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

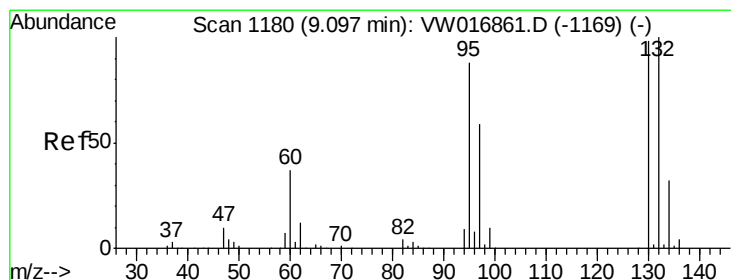
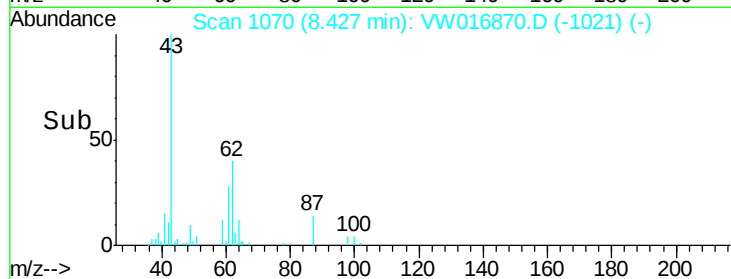
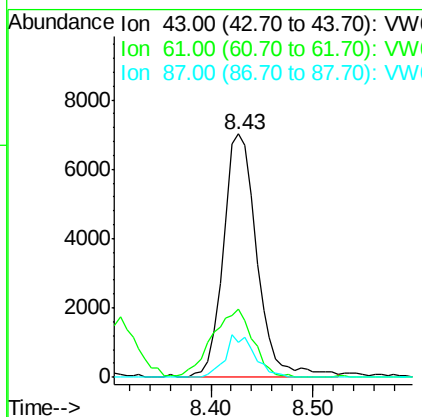
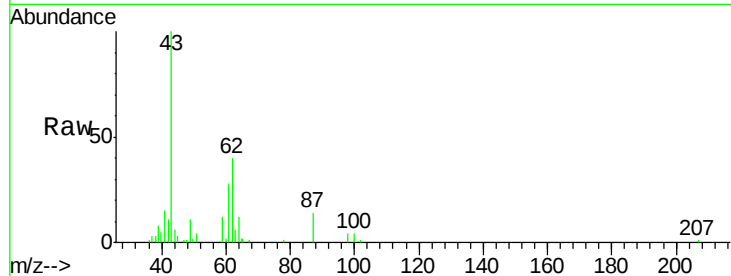
ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion:	43	Resp:	16034
Ion	Ratio	Lower	Upper
43	100		
61	33.9	27.5	41.3
87	15.0	13.6	20.4

Manual Integrations
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MMDadoda
10/12/2020 4:20:56 PM



#44

Trichloroethene

Concen: 5.063 ug/l

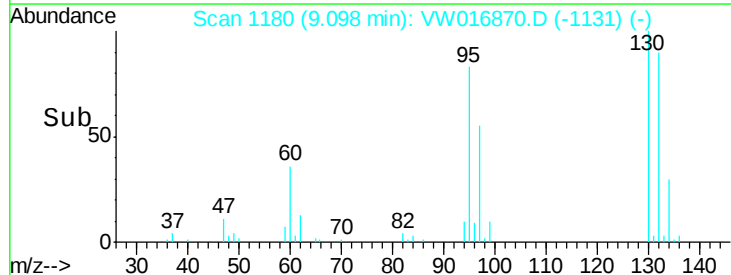
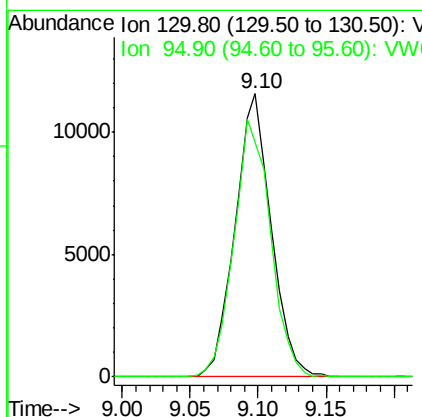
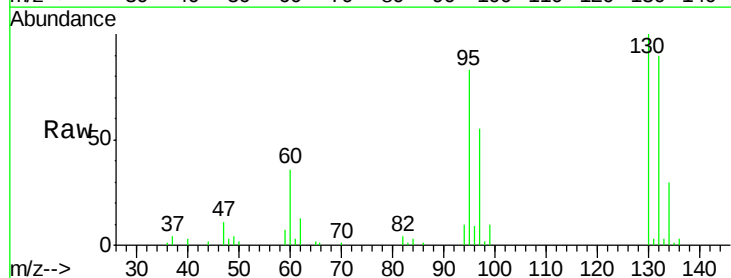
RT: 9.10 min Scan# 1180

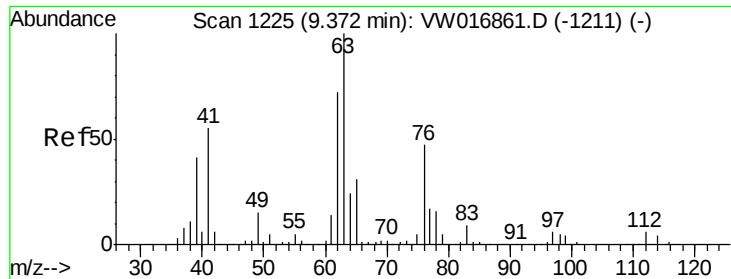
Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Tgt Ion:	130	Resp:	21413
Ion	Ratio	Lower	Upper
130	100		
95	83.1	0.0	180.2





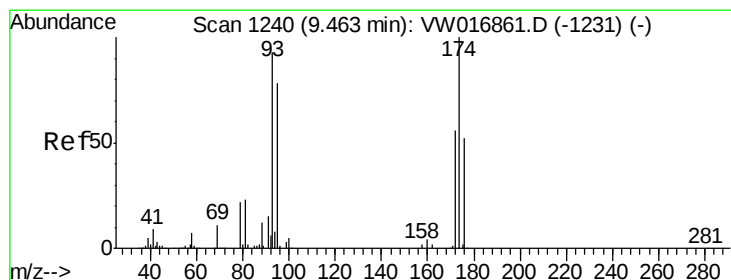
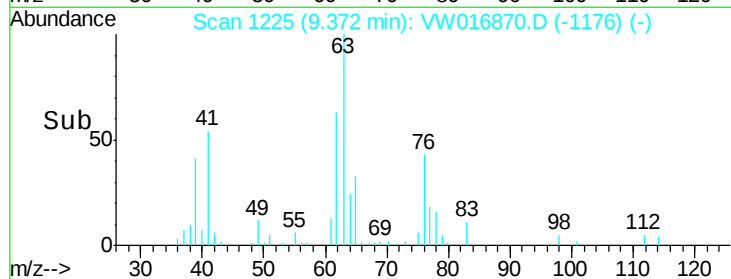
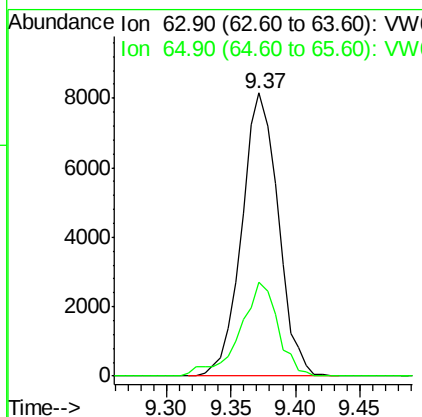
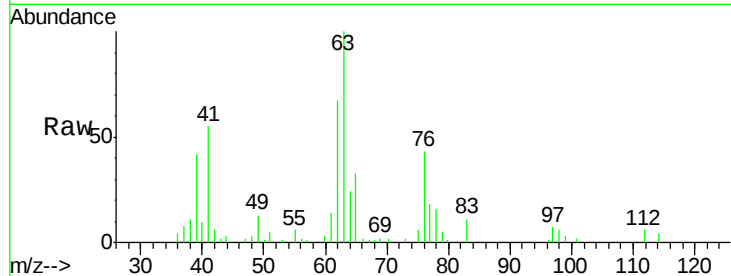
#45
 1,2-Dichloropropane
 Concen: 5.111 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

Tot Ion: 63 Resp: 15924
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.1 37.7

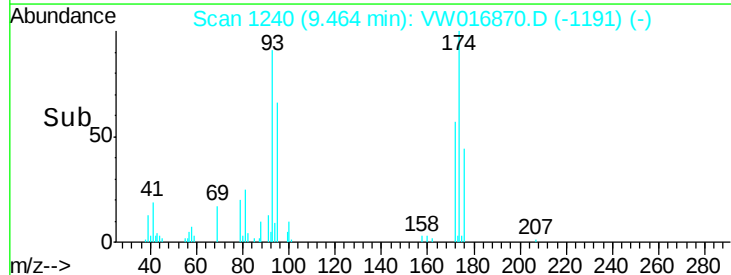
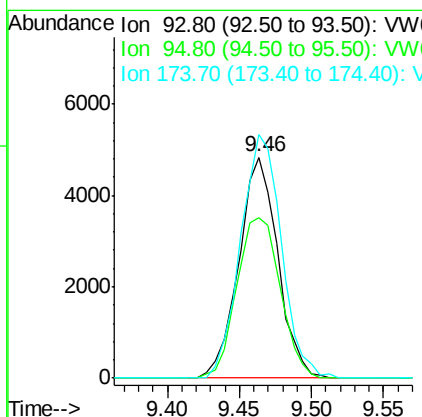
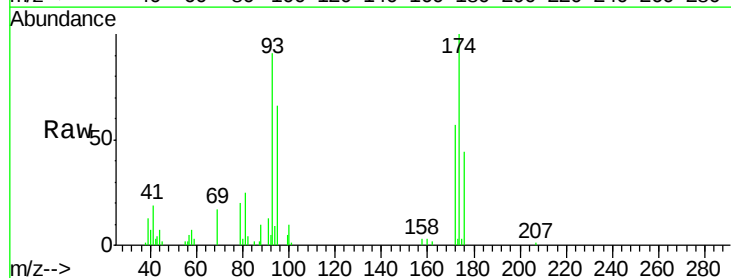
Manual Integrations
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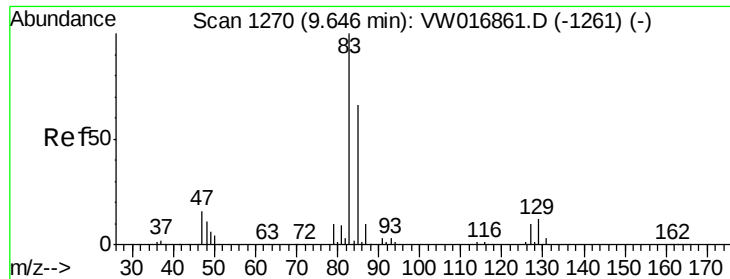
MMDadoda
 10/12/2020 4:20:56 PM



#46
 Dibromomethane
 Concen: 5.088 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Tgt Ion: 93 Resp: 9067
 Ion Ratio Lower Upper
 93 100
 95 81.2 66.5 99.7
 174 115.2 91.0 136.6





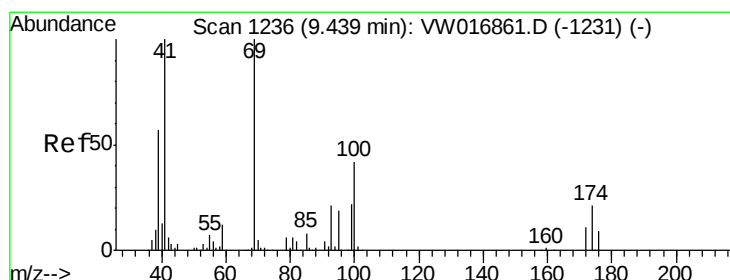
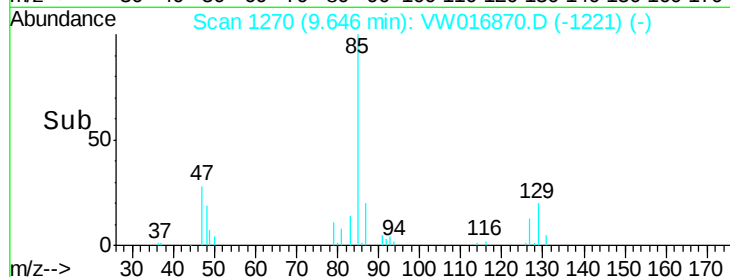
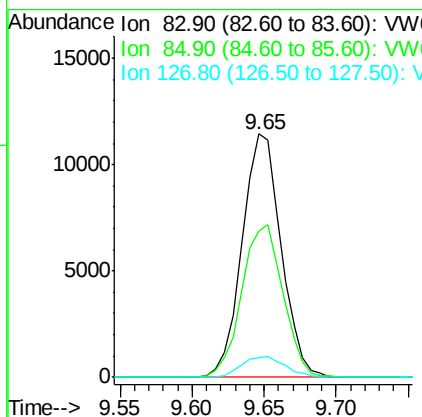
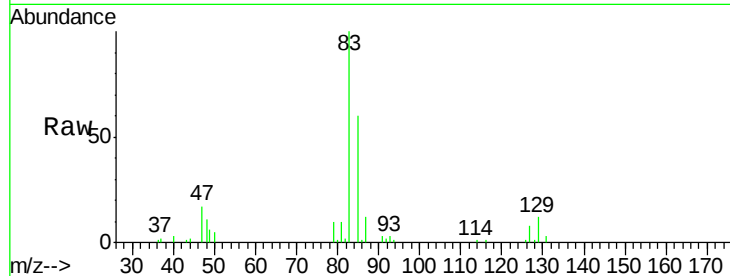
#47
Bromodichloromethane
Concen: 4.841 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	83	Resp	21450
Ion Ratio	100	Lower	Upper
83	100		
85	60.2	52.7	79.1
127	8.0	7.8	11.6

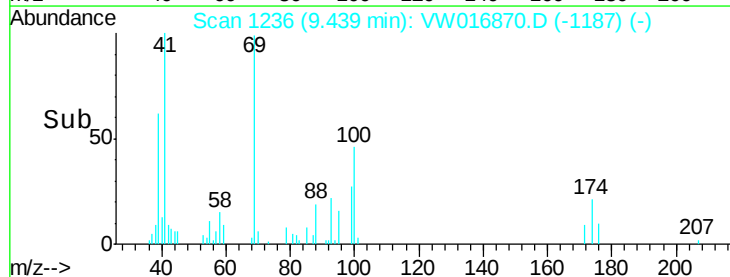
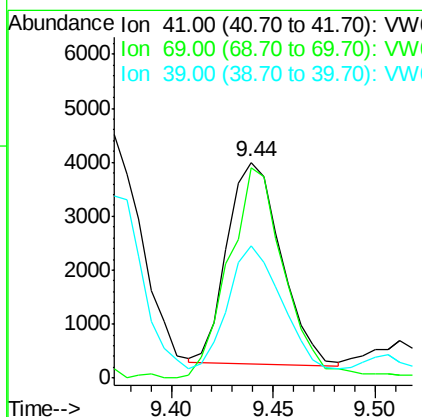
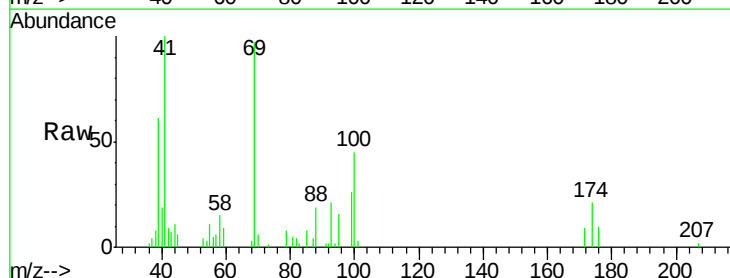
Manual Integrations
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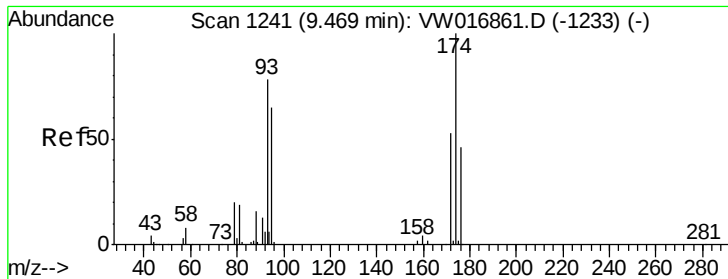
MMDadoda
10/12/2020 4:20:56 PM



#48
Methyl methacrylate
Concen: 4.879 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	41	Resp	6900
Ion Ratio	100	Lower	Upper
41	100		
69	108.1	83.5	125.3
39	69.9	50.9	76.3





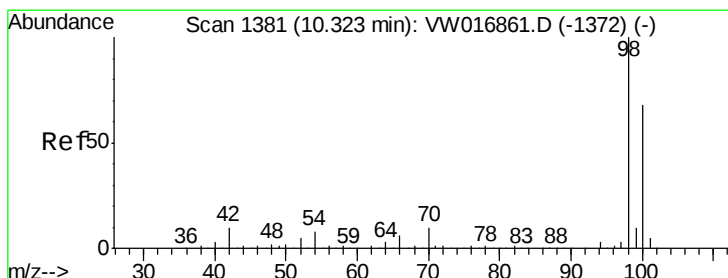
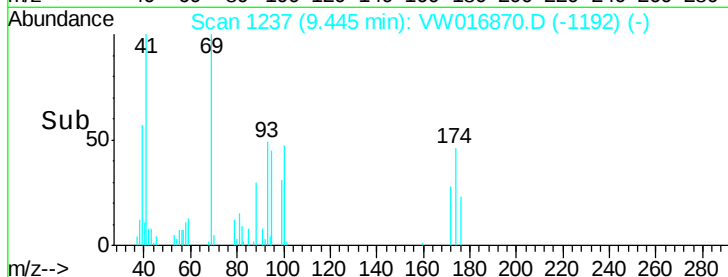
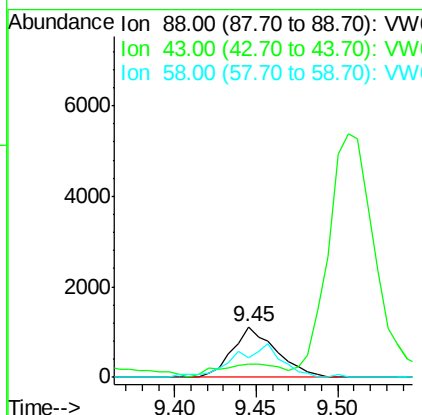
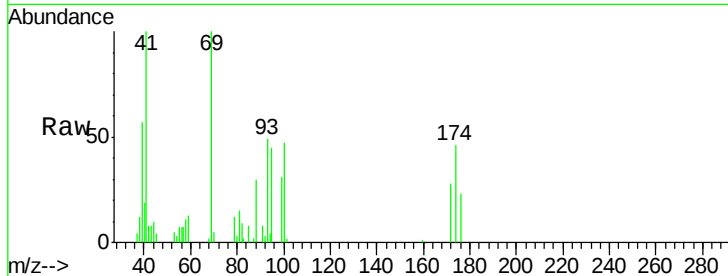
#49
1,4-Dioxane
Concen: 101.709 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	88	Resp	2085
Ion	Ratio	Lower	Upper
88	100		
43	37.7	0.0	0.0#
58	71.2	54.0	81.0

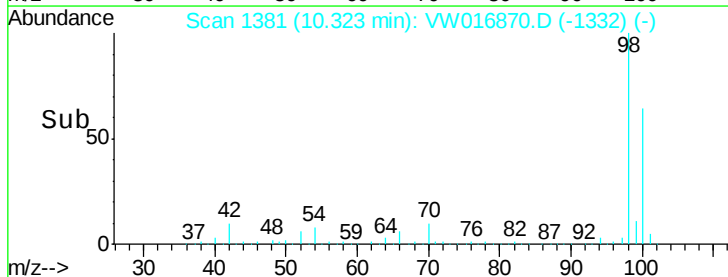
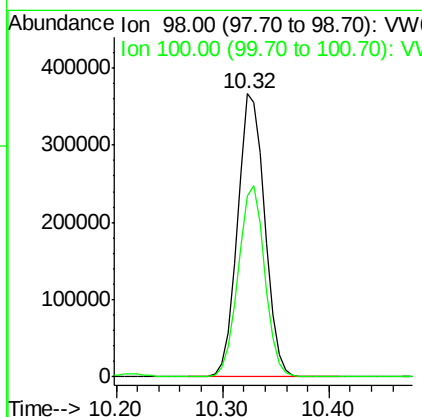
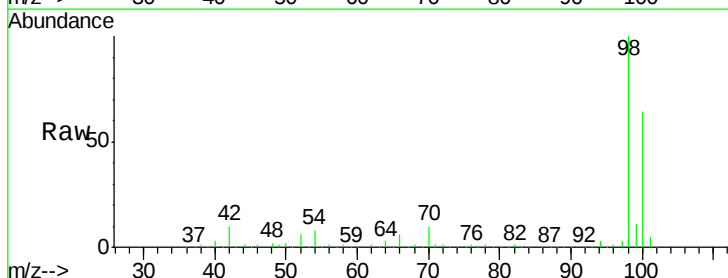
Manual Integrations
APPROVED

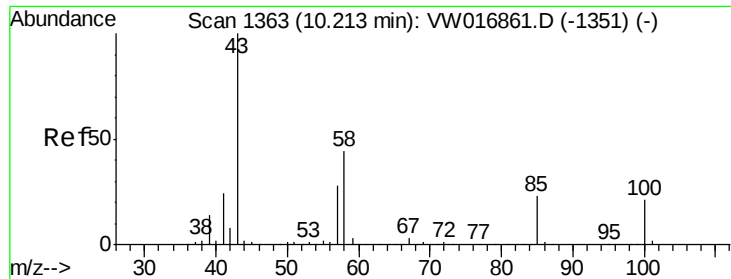
MMDadoda
10/12/2020 4:20:56 PM



#50
Toluene-d8
Concen: 50.447 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	98	Resp	657634
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 25.986 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion: 43 Resp: 40348

Ion Ratio Lower Upper

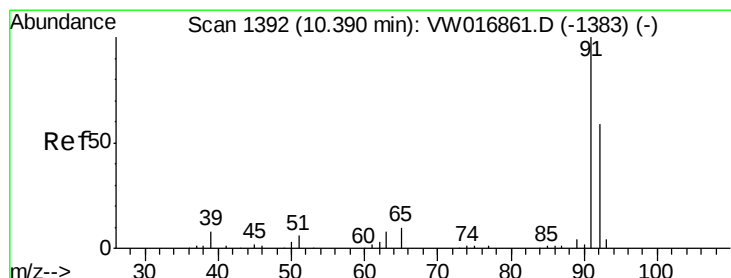
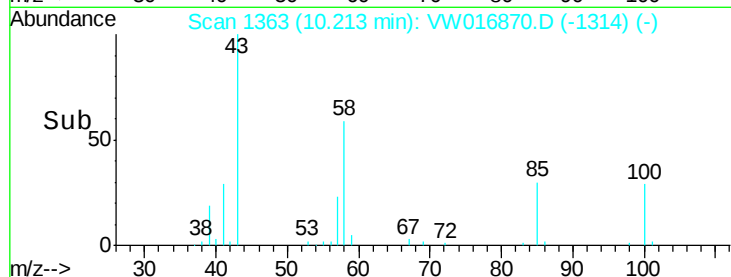
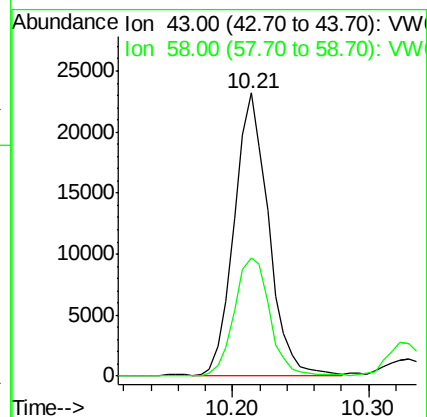
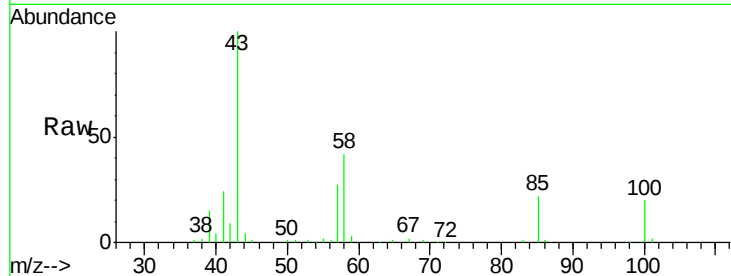
43 100

58 43.8 34.7 52.1

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#52

Toluene

Concen: 5.143 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016870.D

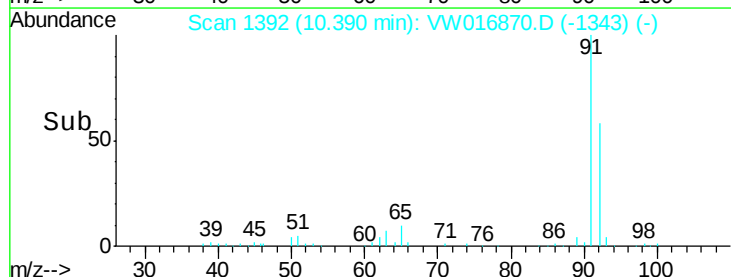
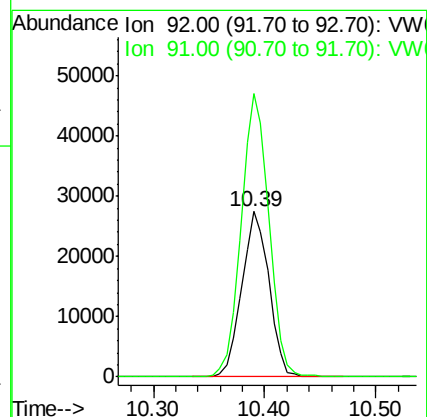
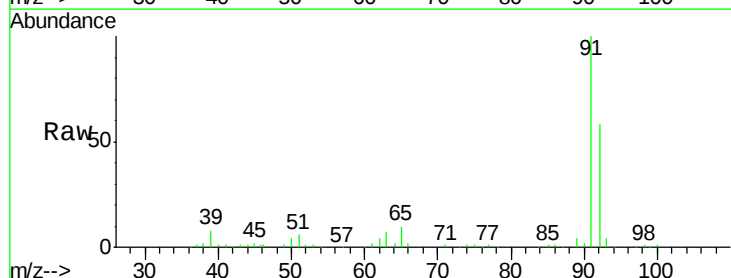
Acq: 09 Oct 2020 19:41

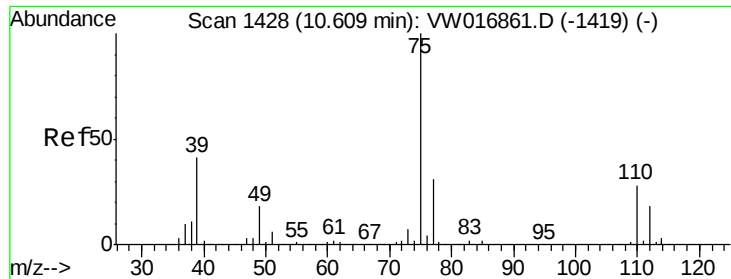
Tgt Ion: 92 Resp: 46454

Ion Ratio Lower Upper

92 100

91 173.4 134.7 202.1





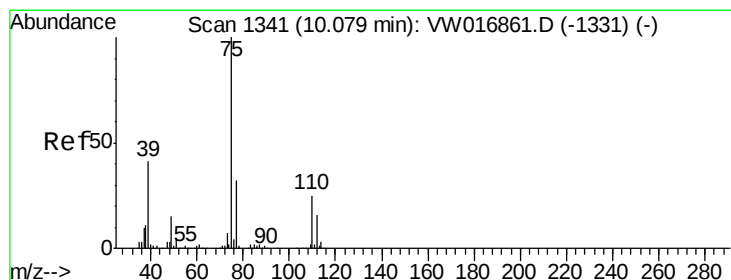
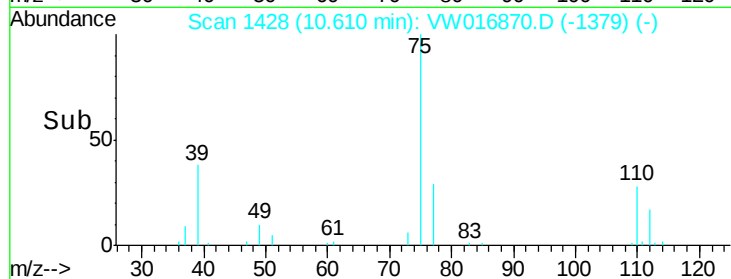
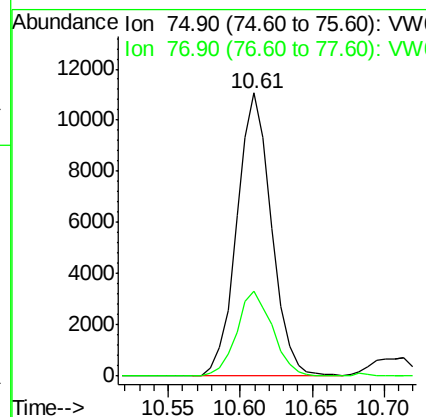
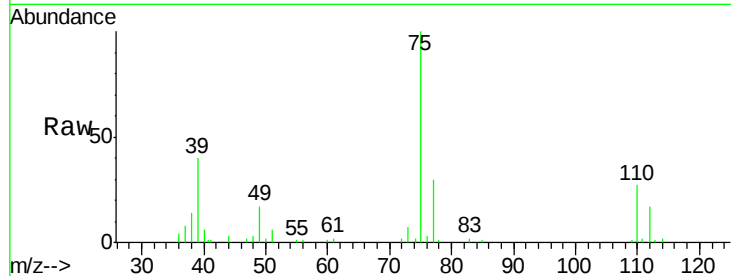
#53
t-1,3-Dichloropropene
Concen: 4.582 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
75	100	18483		
77	29.9	24.8	37.2	

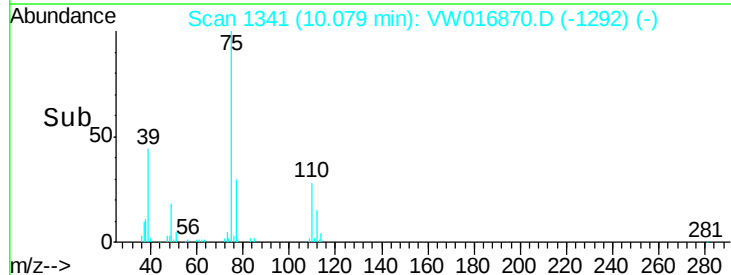
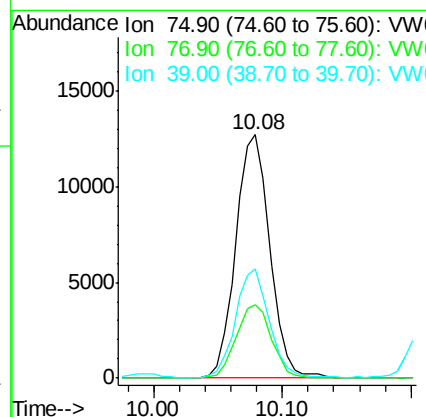
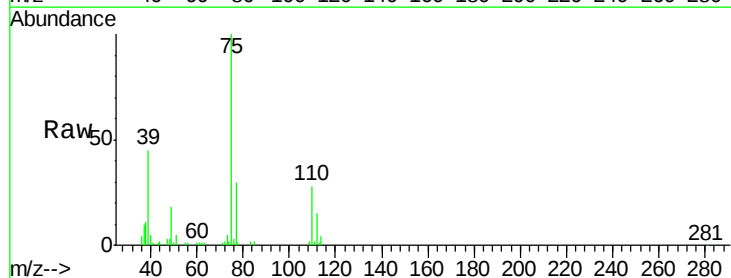
Manual Integrations
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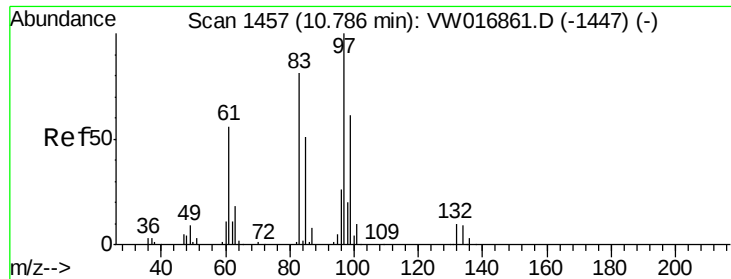
MMDadoda
10/12/2020 4:20:56 PM



#54
cis-1,3-Dichloropropene
Concen: 4.741 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23362		
77	30.1	25.8	38.6	
39	45.0	32.9	49.3	





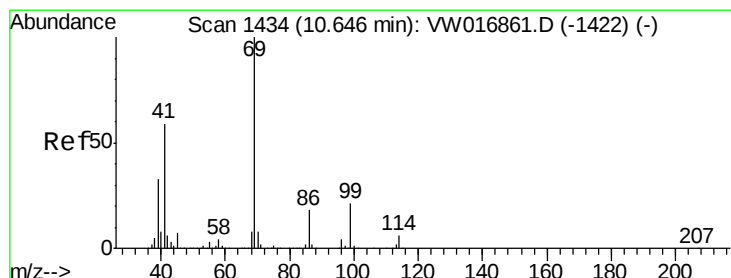
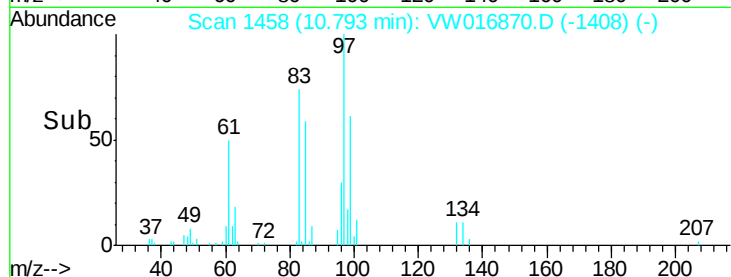
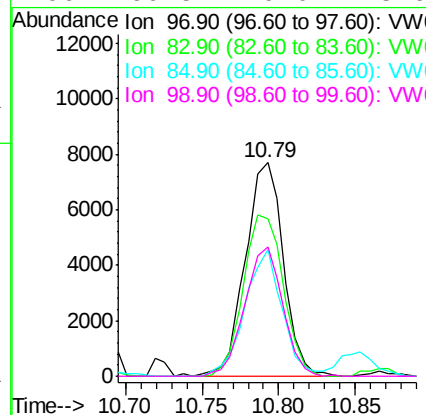
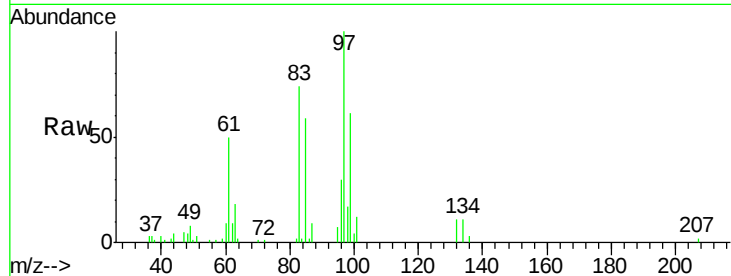
#55
 1,1,2-Trichloroethane
 Concen: 5.258 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

Tot Ion:	97	Resp:	13339
Ion	Ratio	Lower	Upper
97	100		
83	73.5	64.6	97.0
85	59.2	40.6	61.0
99	60.5	49.0	73.6

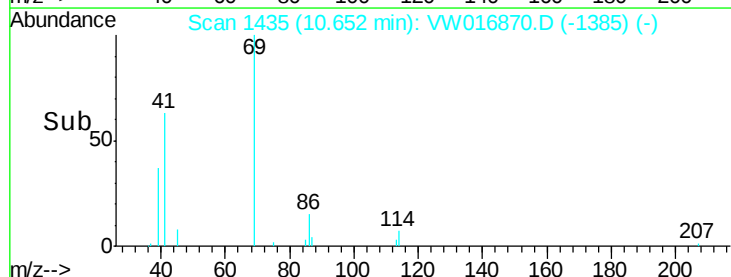
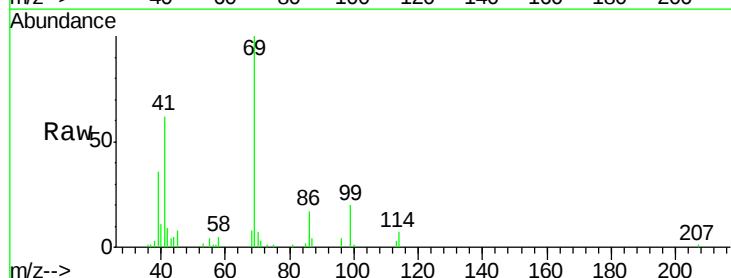
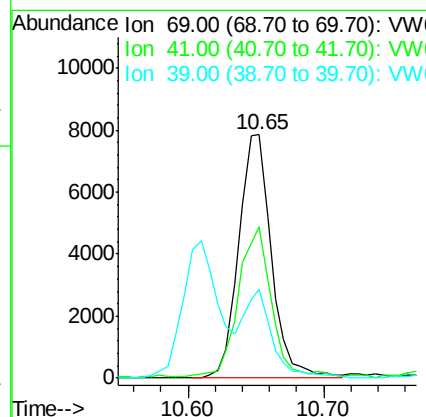
Manual Integrations
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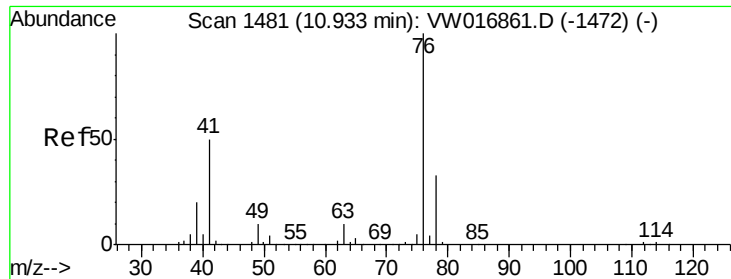
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 10/12/2020 4:20:56 PM



#56
 Ethyl methacrylate
 Concen: 4.798 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Tgt Ion:	69	Resp:	13242
Ion	Ratio	Lower	Upper
69	100		
41	61.4	46.3	69.5
39	31.7	25.9	38.9





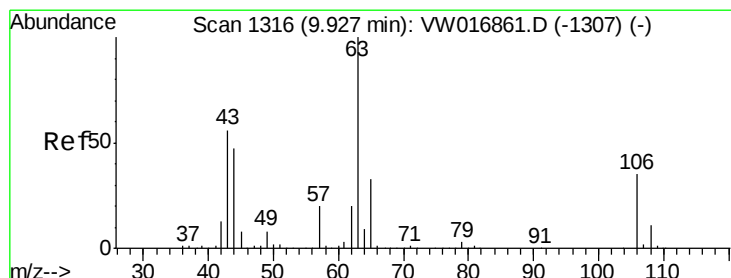
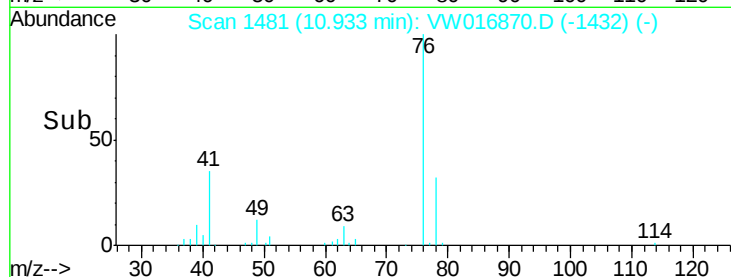
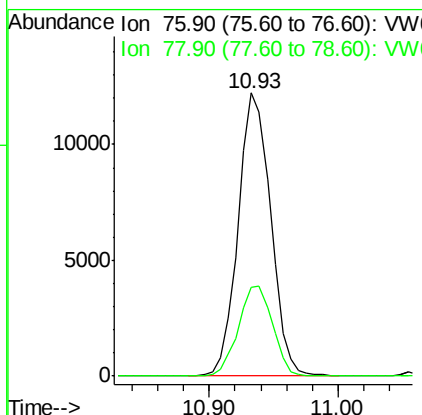
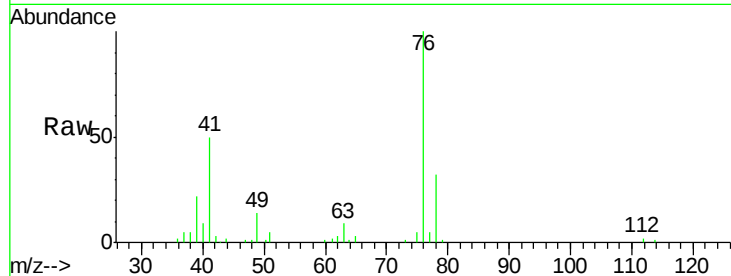
#57
 1,3-Dichloropropane
 Concen: 5.087 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

Tot Ion: 76 Resp: 21350
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.0 39.0

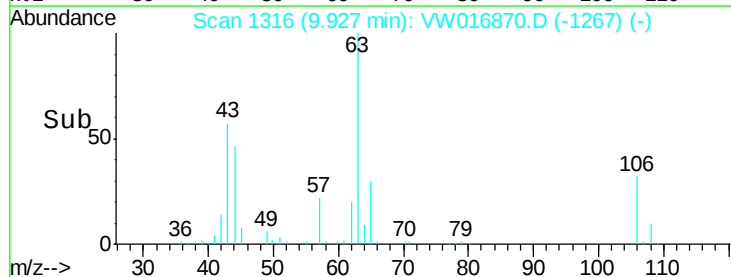
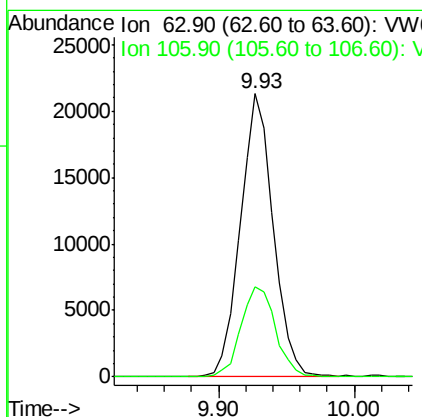
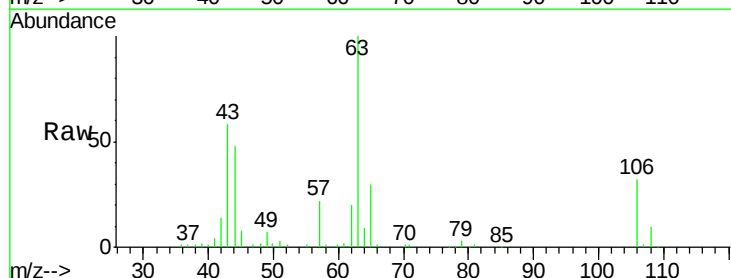
Manual Integrations
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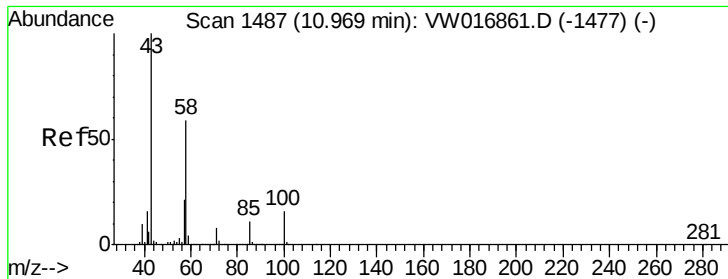
MMDadoda
 10/12/2020 4:20:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.461 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Tgt Ion: 63 Resp: 35877
 Ion Ratio Lower Upper
 63 100
 106 33.4 27.0 40.4





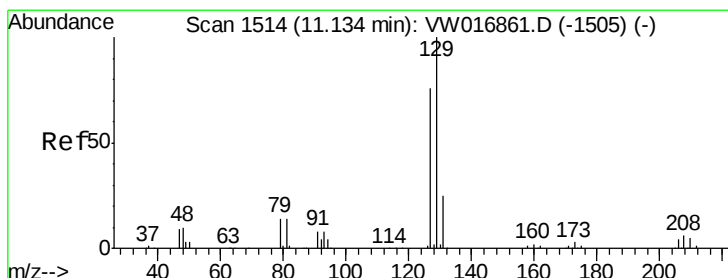
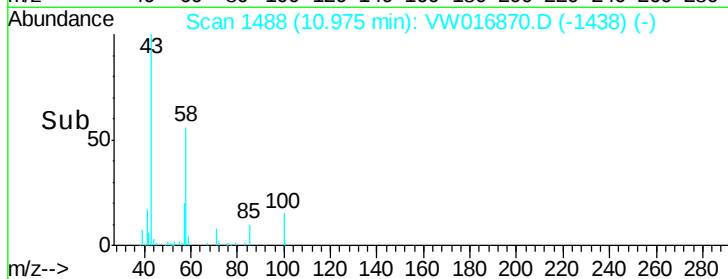
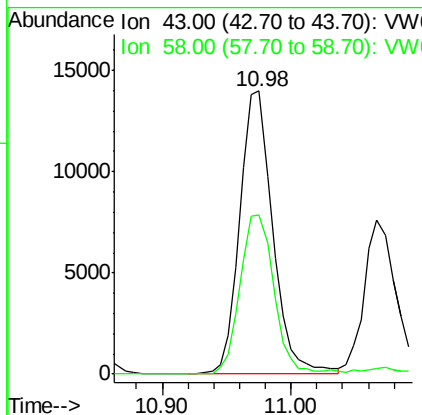
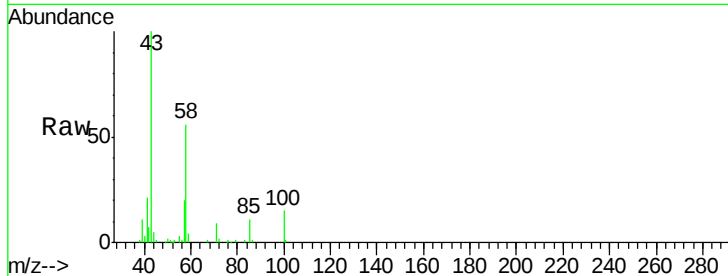
#59
2-Hexanone
Concen: 24.183 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion: 43 Resp: 24844
Ion Ratio Lower Upper
43 100
58 57.5 29.5 88.5

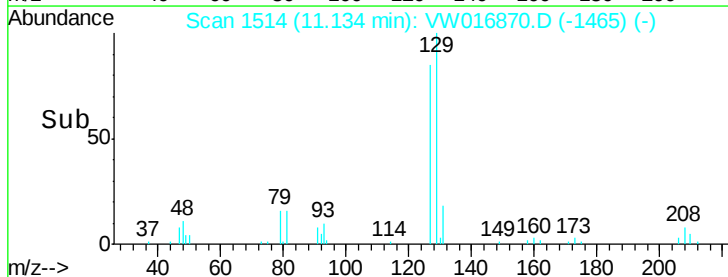
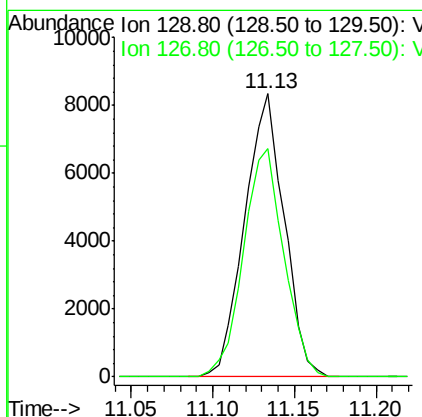
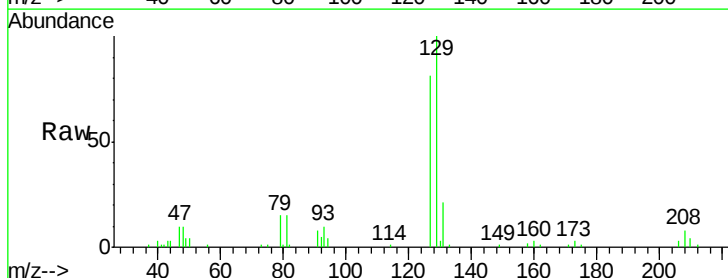
Manual Integrations
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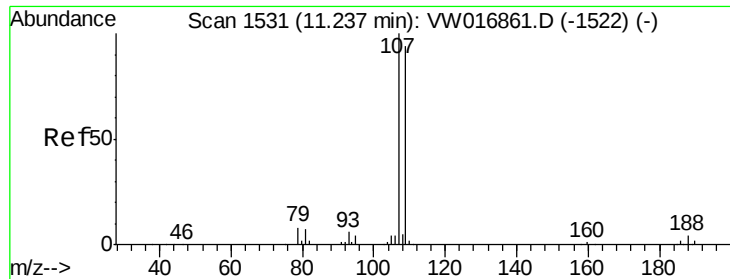
MMDadoda
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#60
Dibromochloromethane
Concen: 4.534 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion: 129 Resp: 14108
Ion Ratio Lower Upper
129 100
127 82.6 38.9 116.6





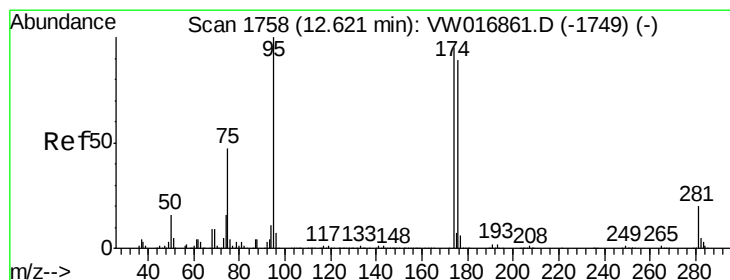
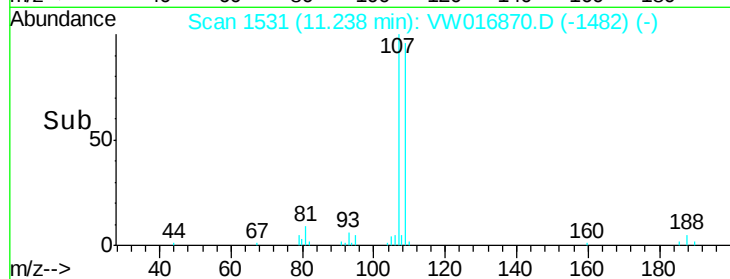
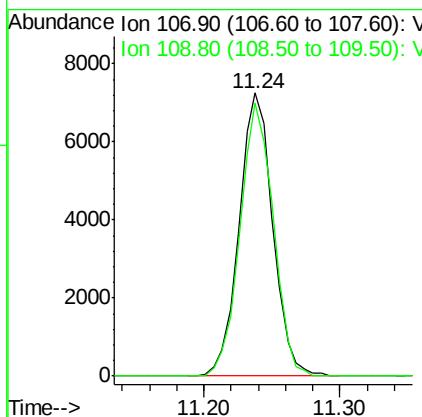
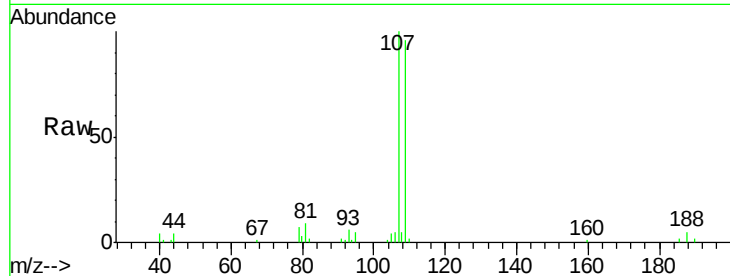
#61
 1,2-Dibromoethane
 Concen: 4.982 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.7	112.1

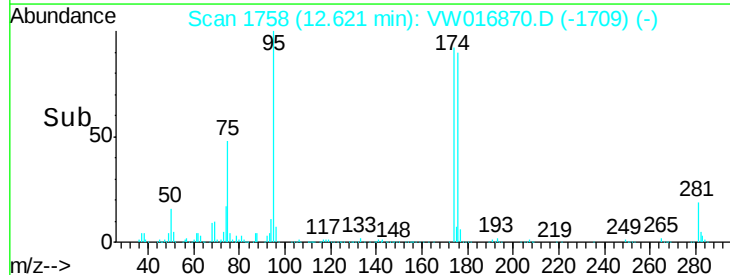
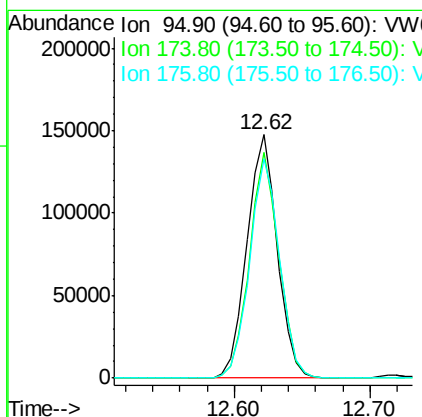
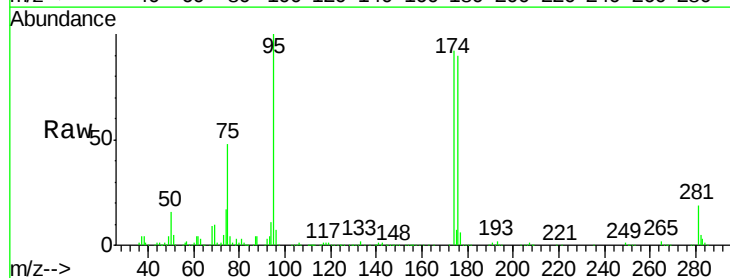
Manual Integrations
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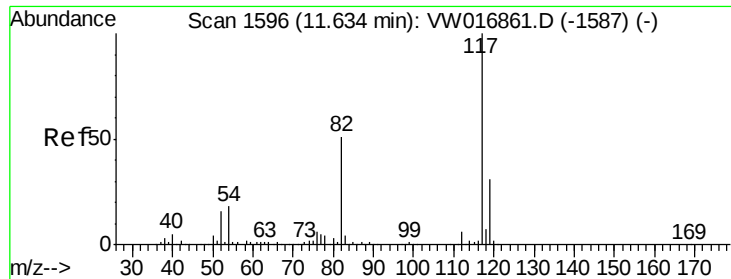
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#62
 4-Bromofluorobenzene
 Concen: 51.188 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	180.6
176	89.0	0.0	177.6





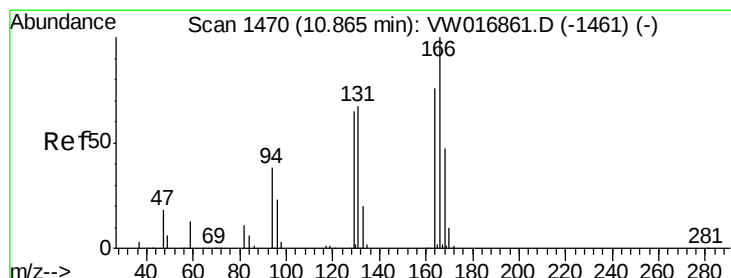
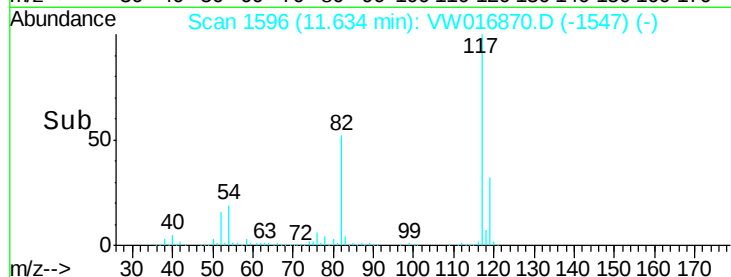
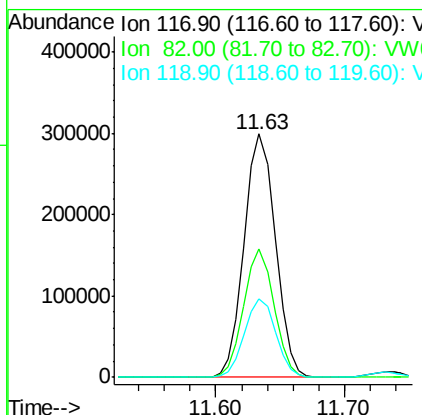
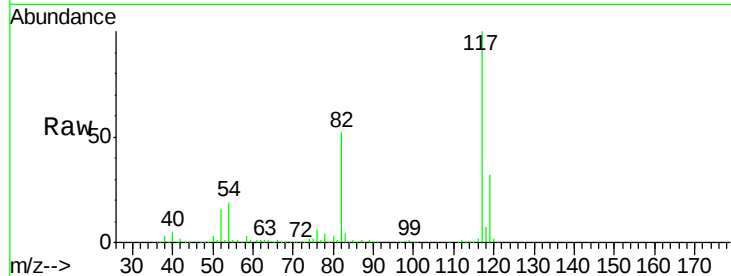
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	503196		
82	52.5		40.7	61.1
119	32.3		25.0	37.4

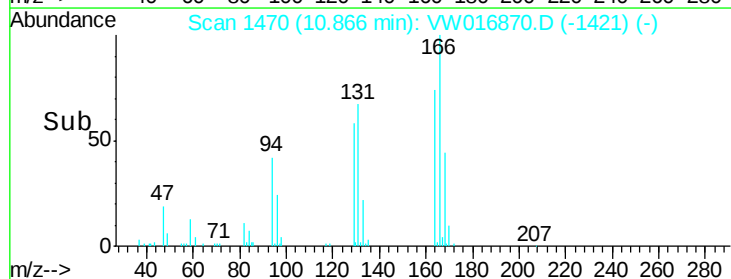
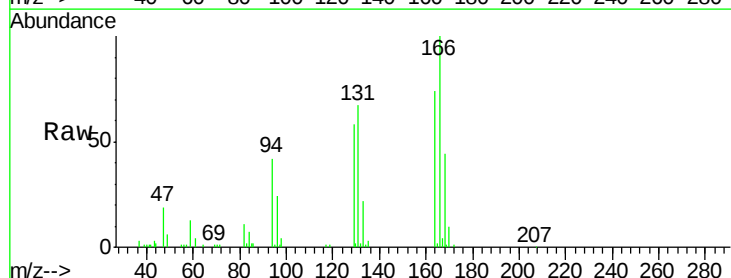
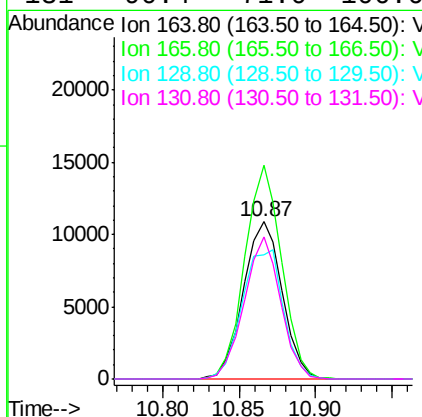
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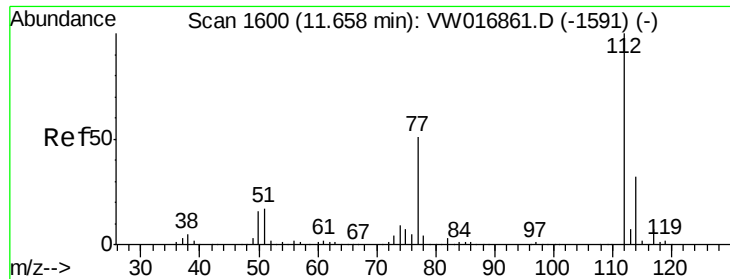
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#64
Tetrachloroethene
Concen: 5.360 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	19216		
166	135.9		105.3	157.9
129	79.2		68.8	103.2
131	90.4		71.0	106.6





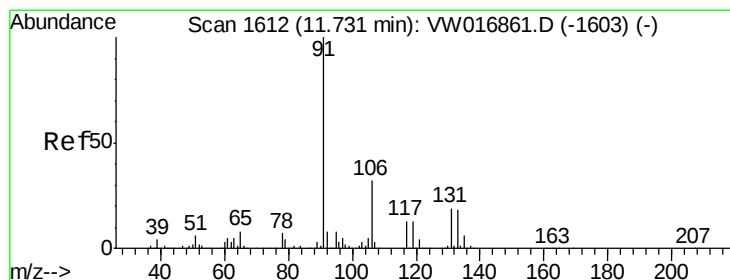
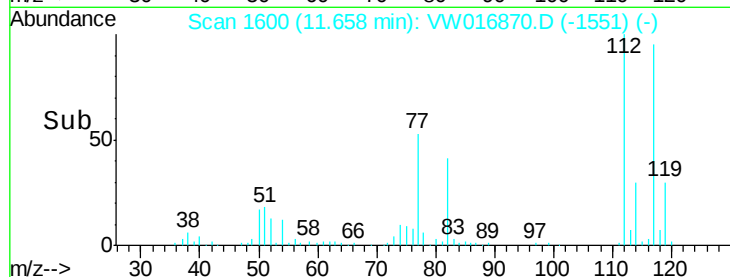
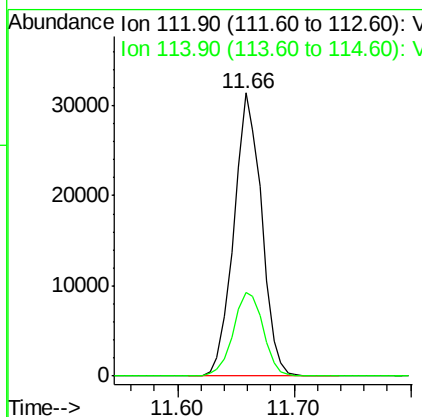
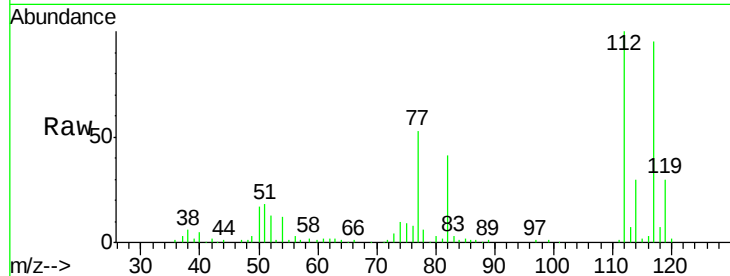
#65
Chlorobenzene
Concen: 5.285 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion:112 Resp: 52162
Ion Ratio Lower Upper
112 100
114 29.5 25.3 37.9

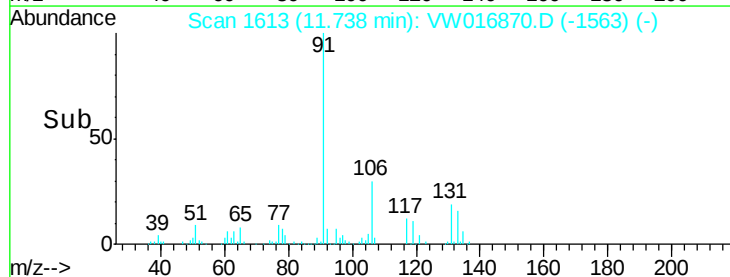
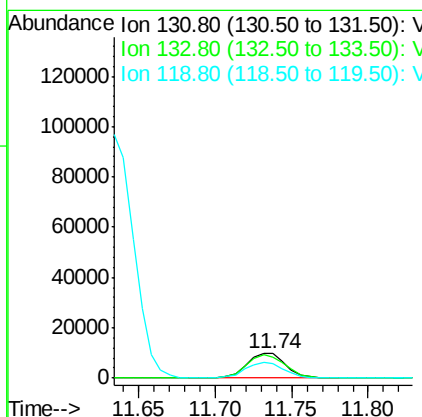
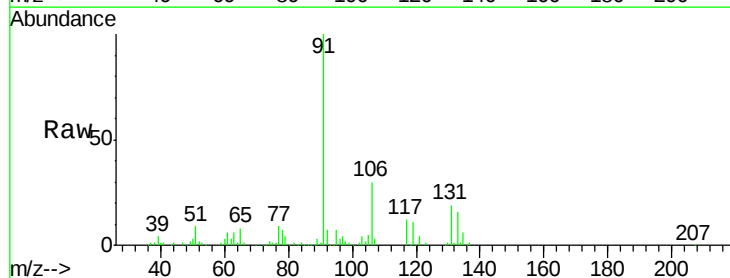
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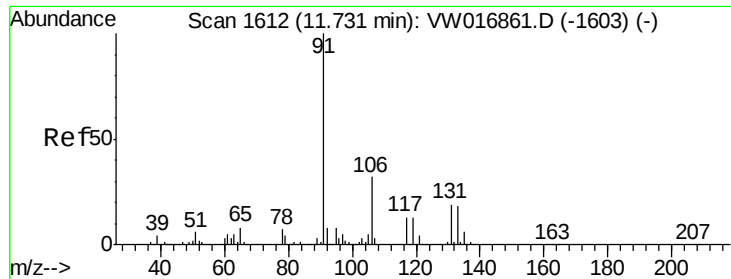
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.949 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion:131 Resp: 17275
Ion Ratio Lower Upper
131 100
133 94.5 48.1 144.3
119 64.7 32.5 97.4





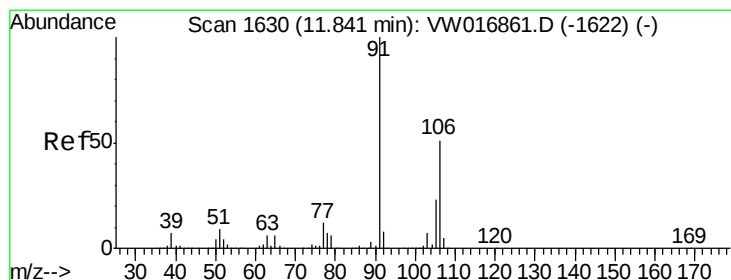
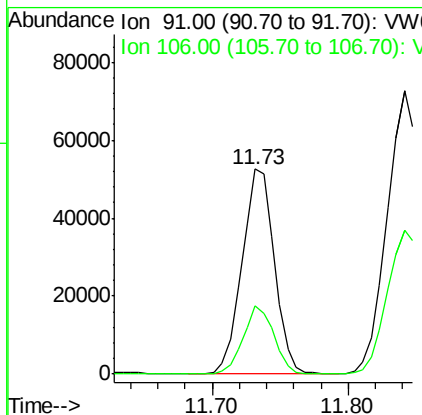
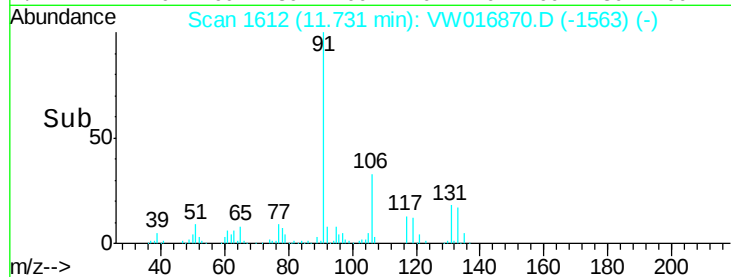
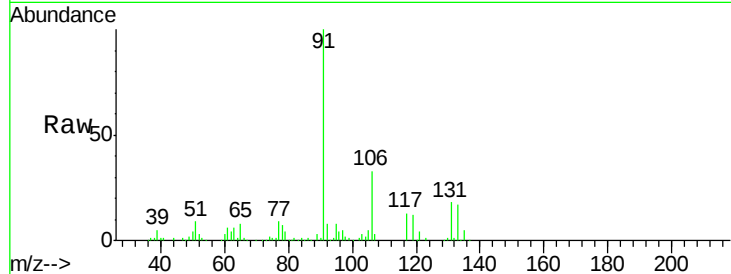
#67
Ethyl Benzene
Concen: 5.089 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion: 91 Resp: 87522
Ion Ratio Lower Upper
91 100
106 33.2 25.9 38.9

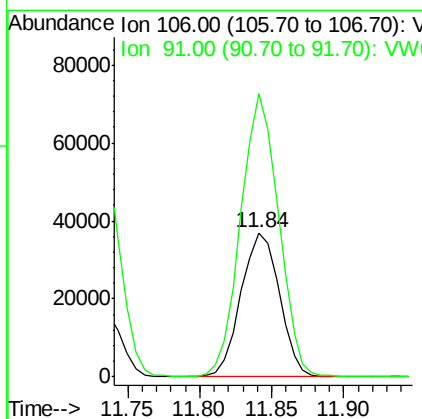
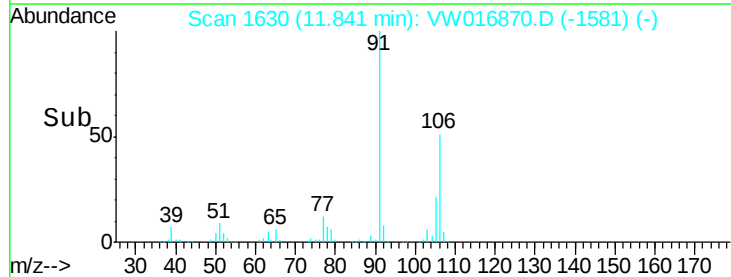
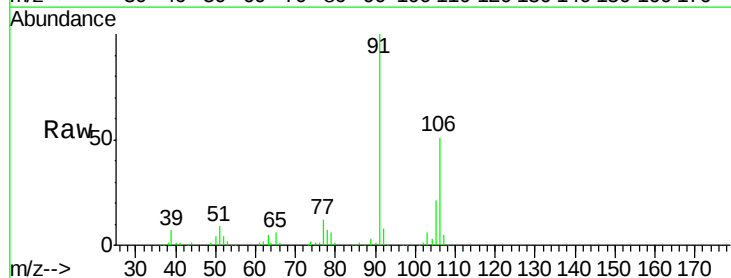
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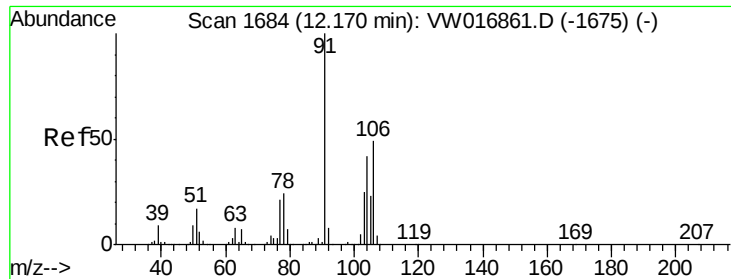
MMDadoda
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#68
m/p-Xylenes
Concen: 10.257 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion: 106 Resp: 68610
Ion Ratio Lower Upper
106 100
91 193.1 157.4 236.0





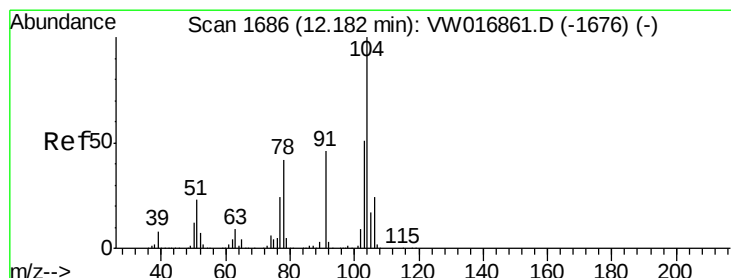
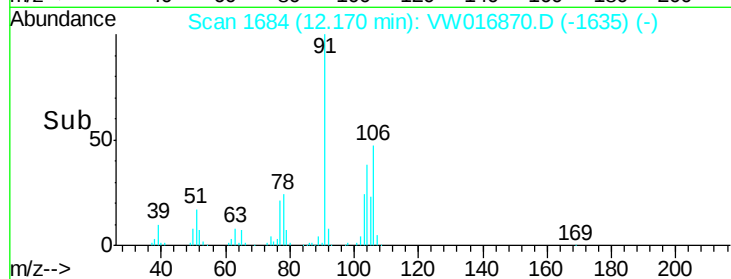
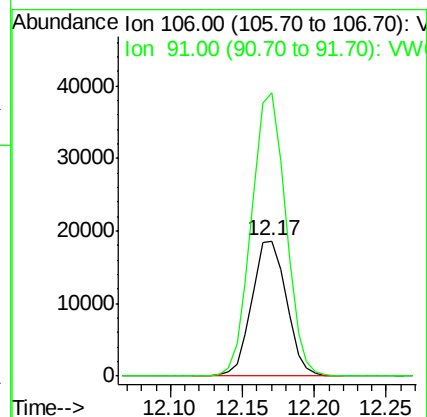
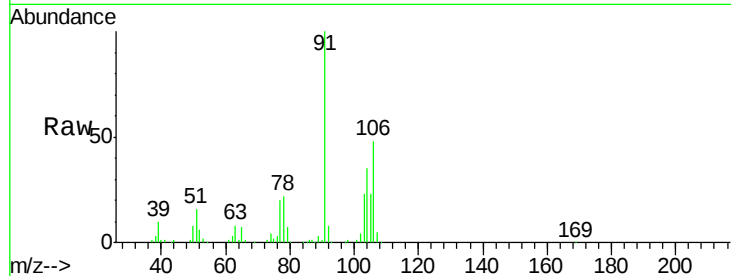
#69
o-Xylene
Concen: 5.056 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion:106 Resp: 31037
Ion Ratio Lower Upper
106 100
91 207.0 103.6 310.9

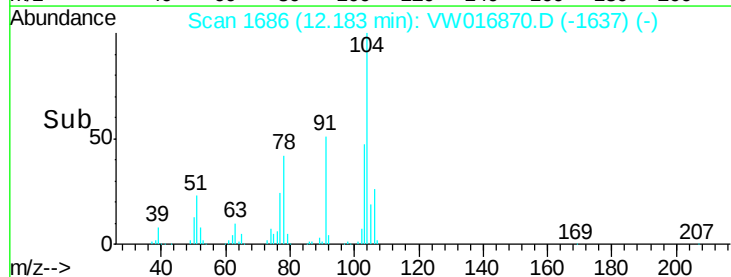
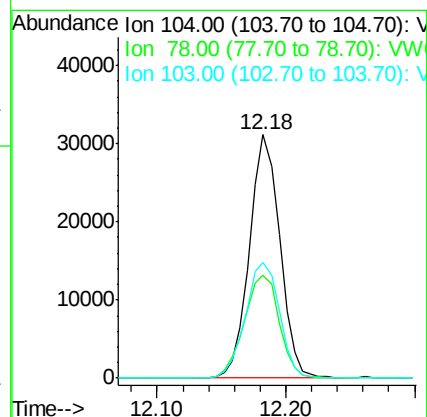
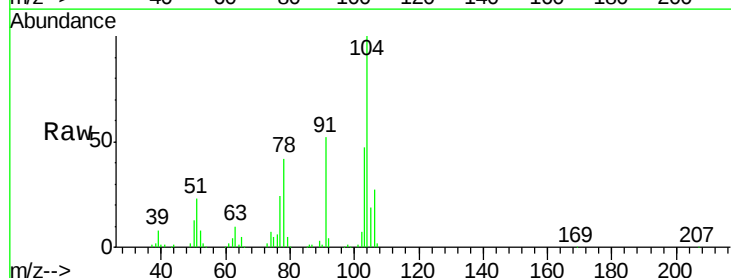
Manual Integrations
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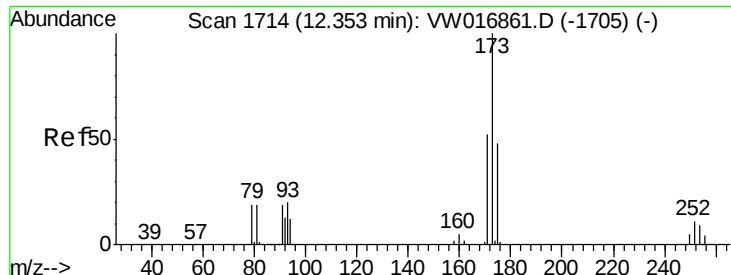
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#70
Styrene
Concen: 4.959 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion:104 Resp: 50667
Ion Ratio Lower Upper
104 100
78 48.8 37.6 56.4
103 53.3 43.6 65.4





#71

Bromoform

Concen: 4.629 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

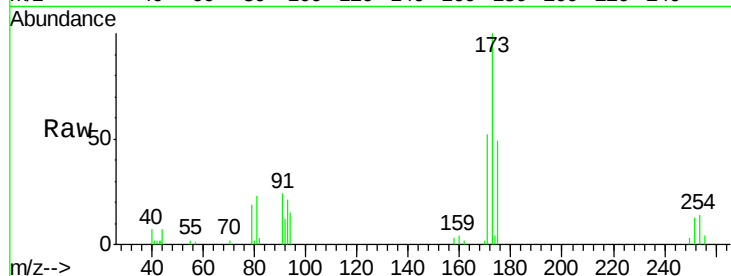
ClientSampleId :

LOQ-SOIL-02-QT4-2020

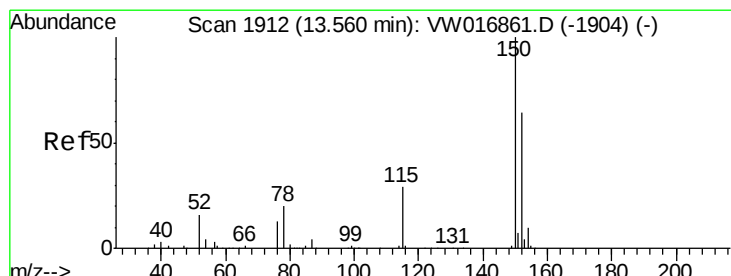
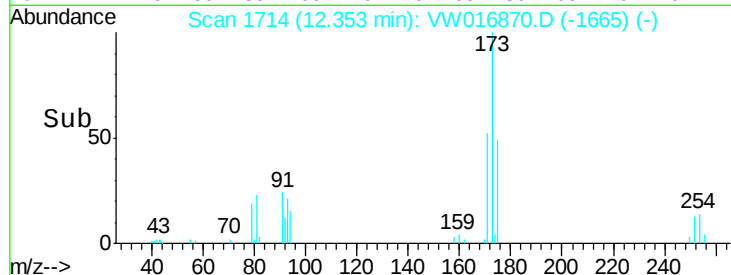
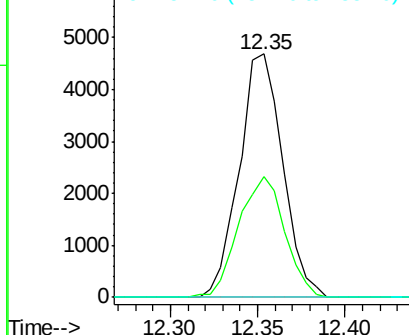
Tot Ion	Ratio	Lower	Upper
173	100		
175	52.5	24.7	74.1
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

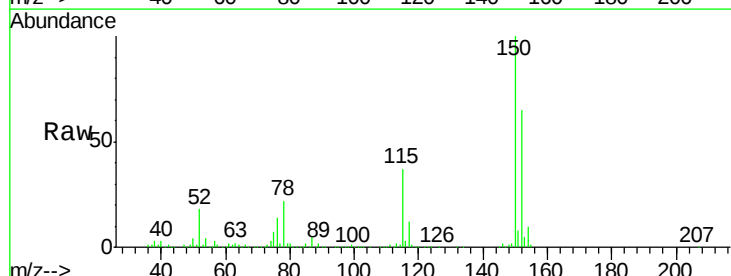
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

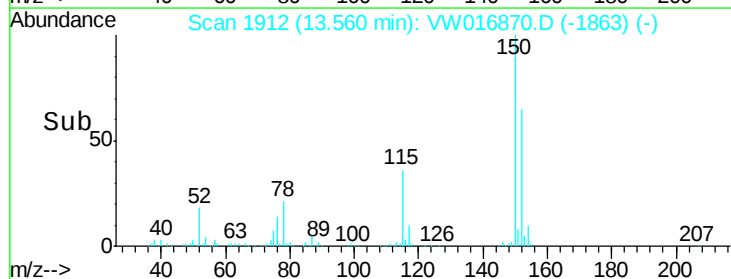
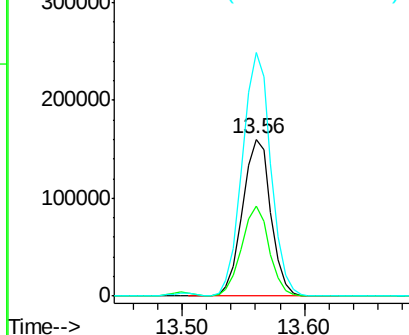
Lab File: VW016870.D

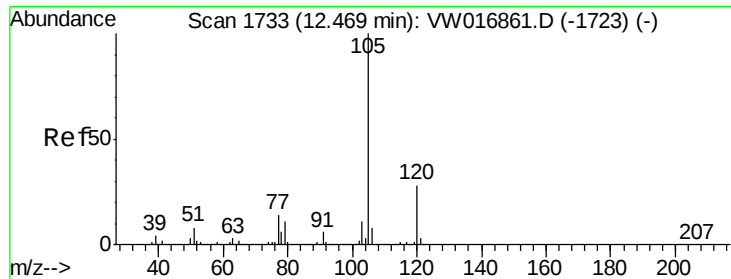
Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.9	83.7
150	156.2	0.0	344.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.064 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion: 105 Resp: 86775

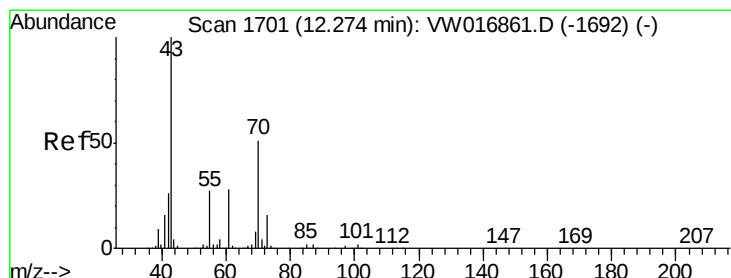
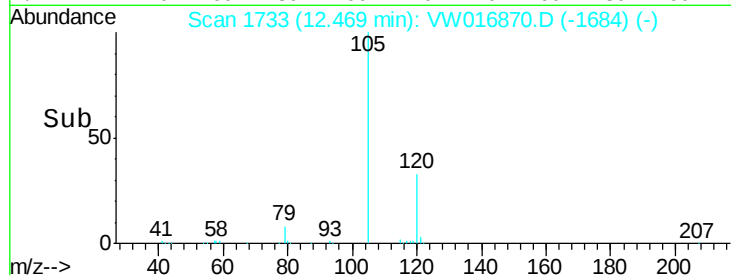
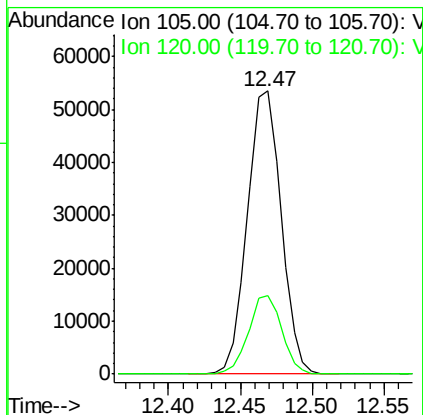
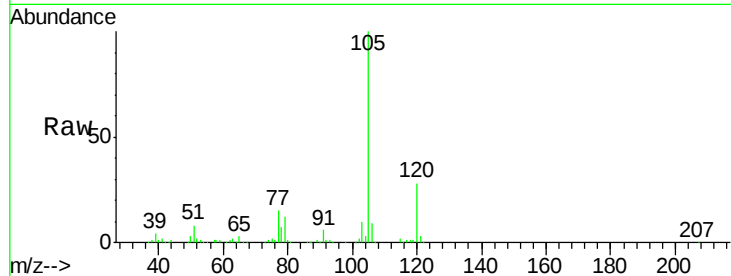
Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7

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#74

N-ethyl acetate

Concen: 4.691 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Tgt Ion: 43 Resp: 12911

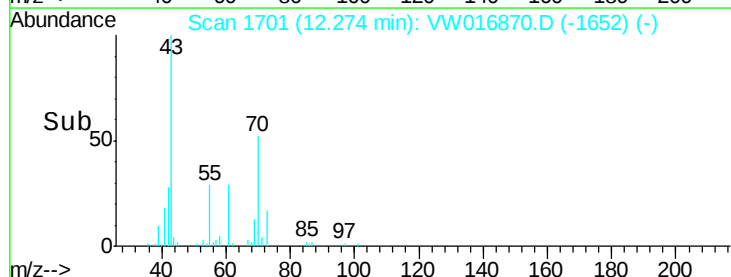
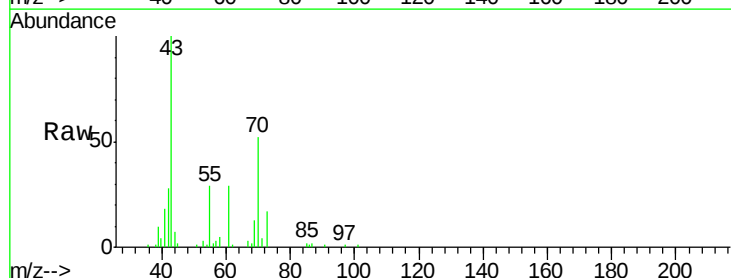
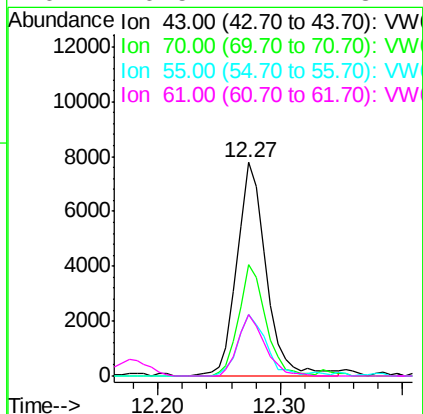
Ion Ratio Lower Upper

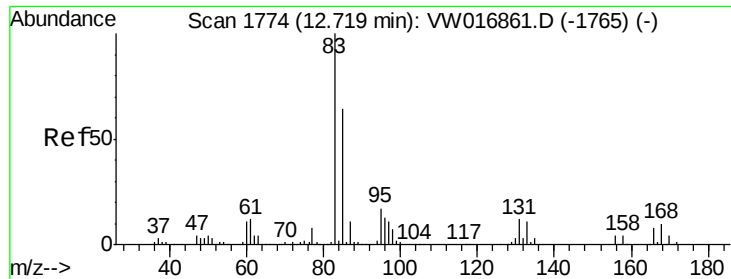
43 100

70 47.9 40.2 60.4

55 27.7 21.4 32.0

61 26.5 21.4 32.2





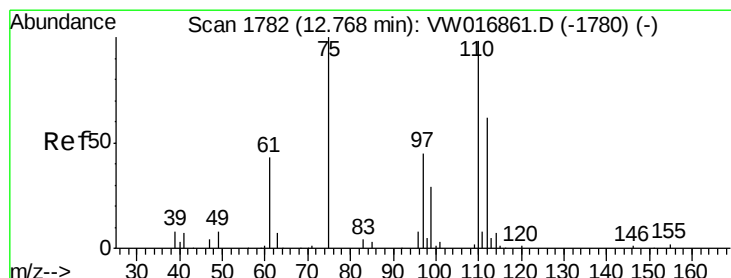
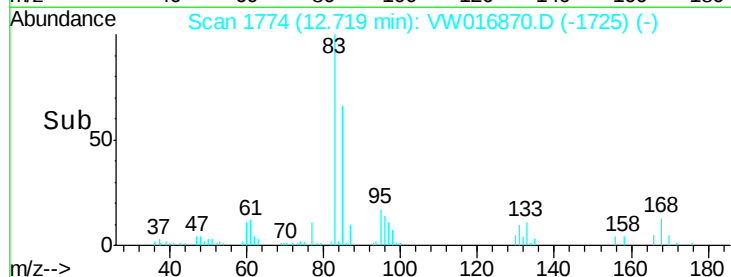
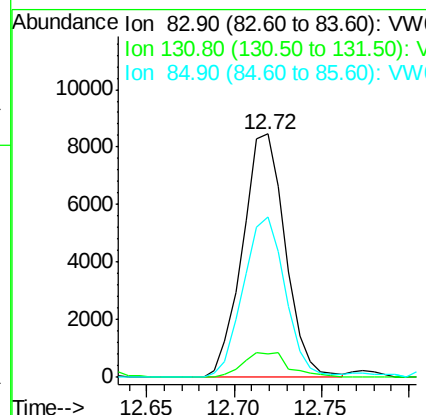
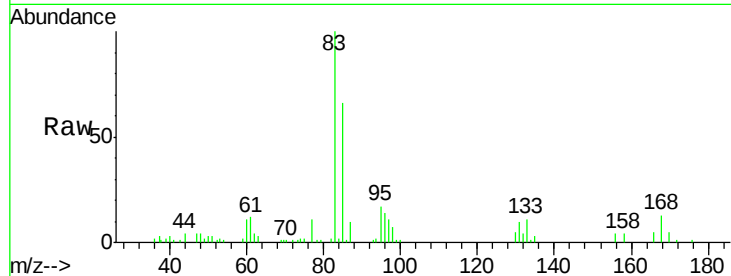
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.366 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.9	6.1	18.3	
85	64.3	32.7	98.1	

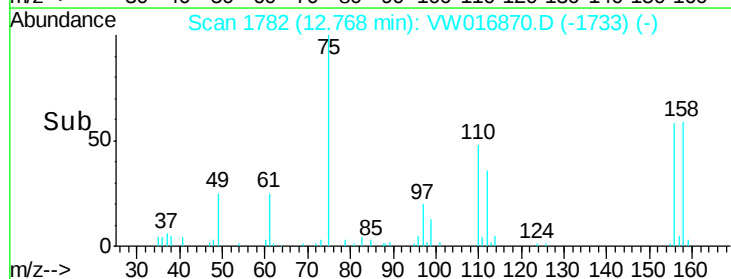
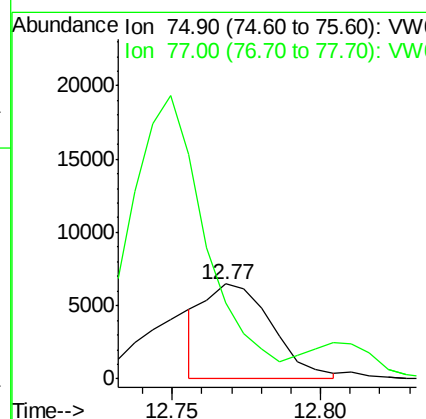
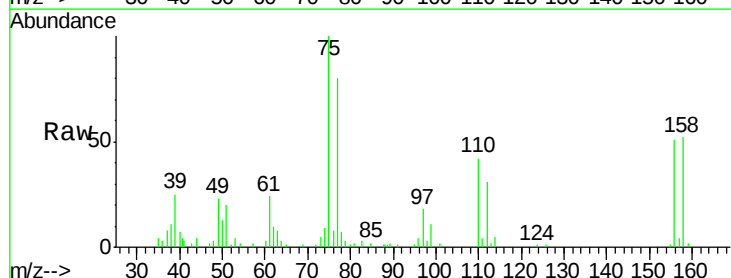
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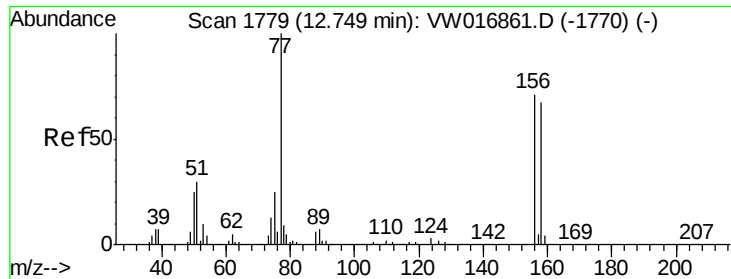
MMDadoda
 10/12/2020 4:20:56 PM



#76
 1,2,3-Trichloropropane
 Concen: 5.320 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	339.3	178.8	536.3	





#77

Bromobenzene

Concen: 5.443 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

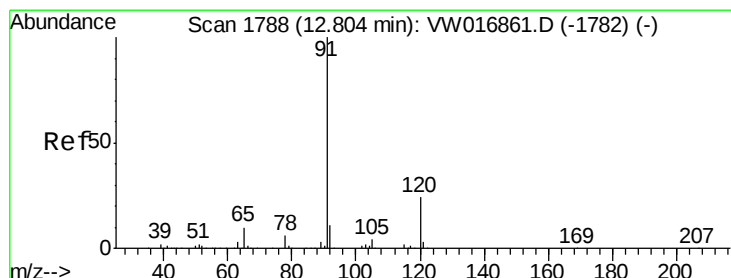
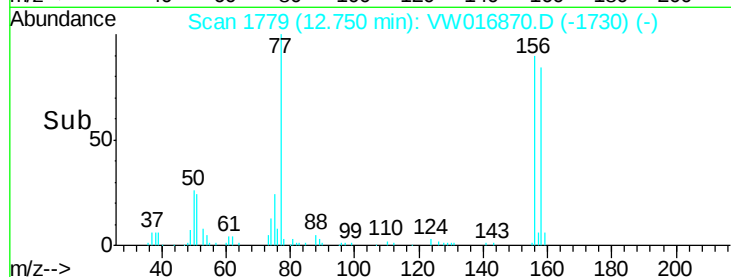
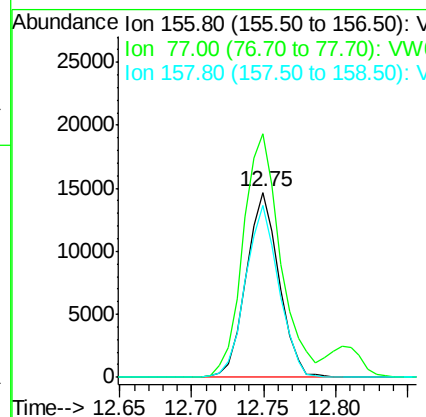
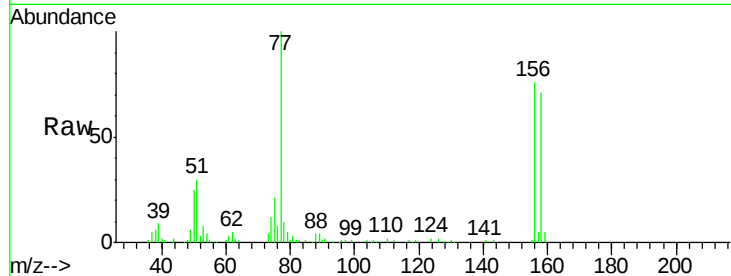
ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.6	79.0	237.2
158	94.1	47.0	141.2

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#78

n-propylbenzene

Concen: 5.005 ug/l

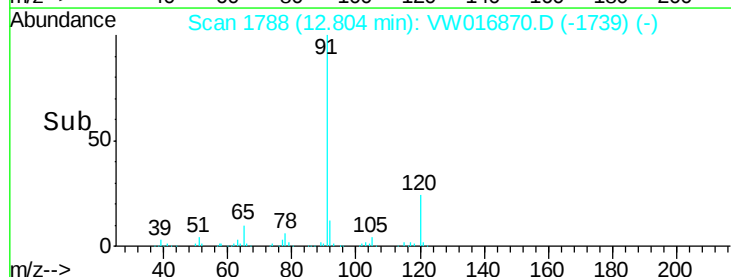
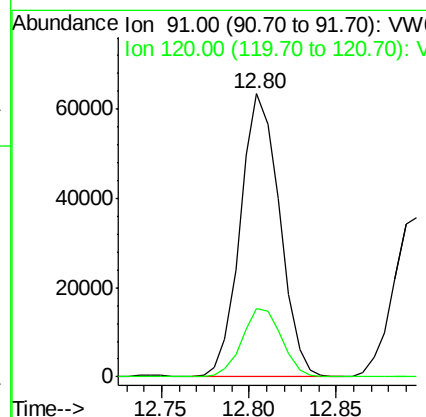
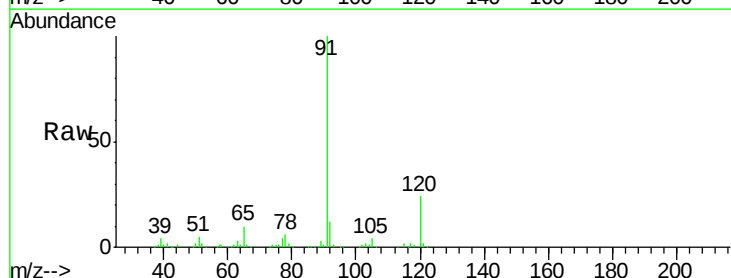
RT: 12.80 min Scan# 1788

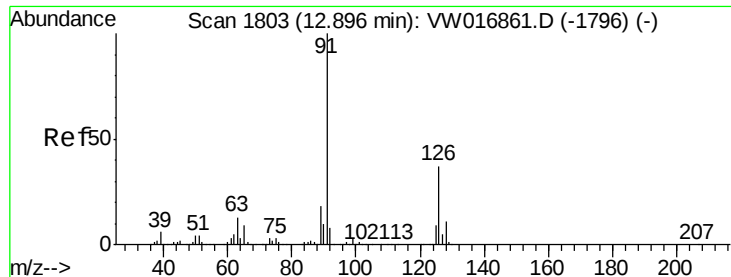
Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.0	36.1





#79

2-Chlorotoluene

Concen: 5.144 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion: 91 Resp: 57980

Ion Ratio Lower Upper

91 100

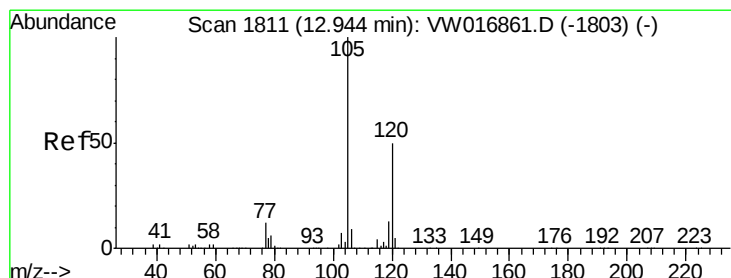
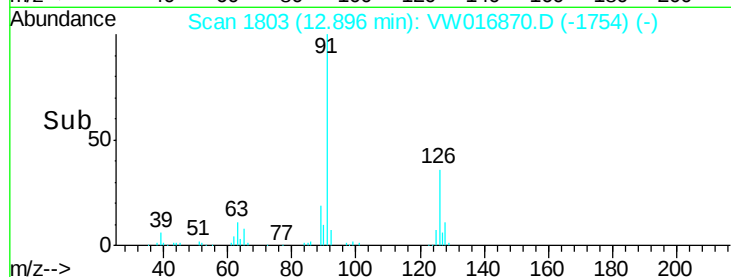
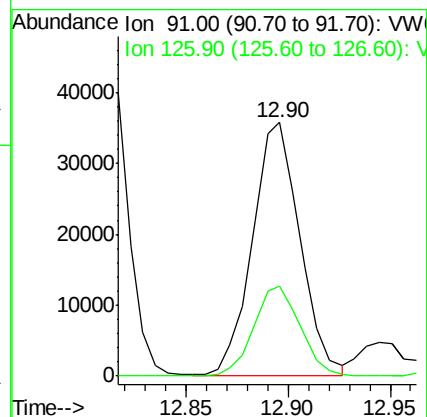
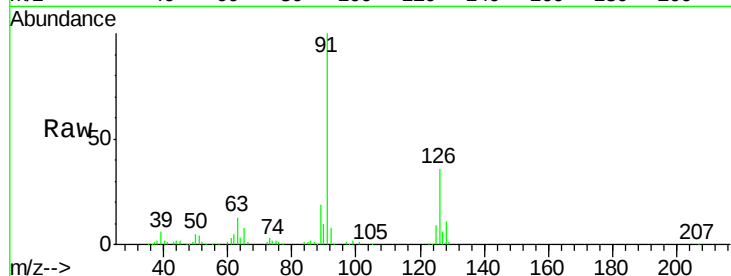
126 35.0 17.9 53.8

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#80

1,3,5-Trimethylbenzene

Concen: 5.109 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016870.D

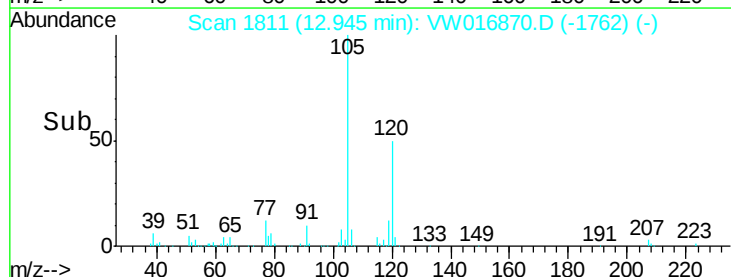
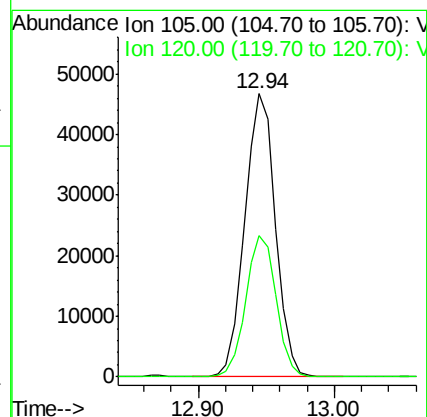
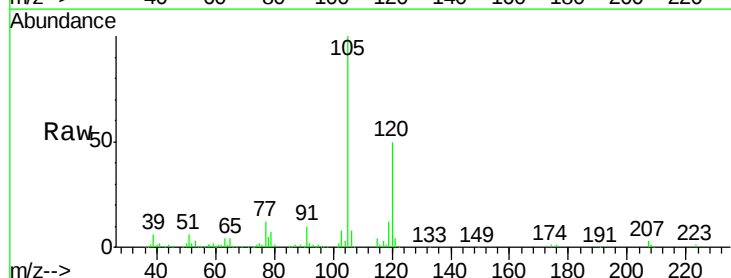
Acq: 09 Oct 2020 19:41

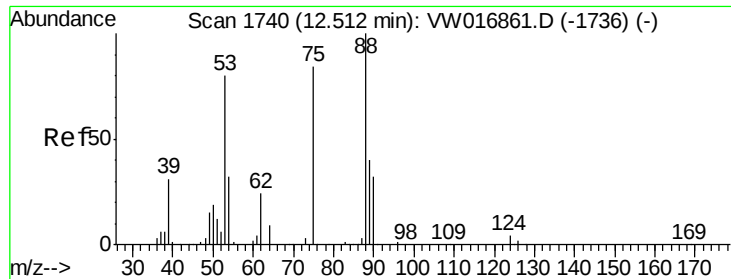
Tgt Ion: 105 Resp: 73364

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 4.006 ug/l m

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

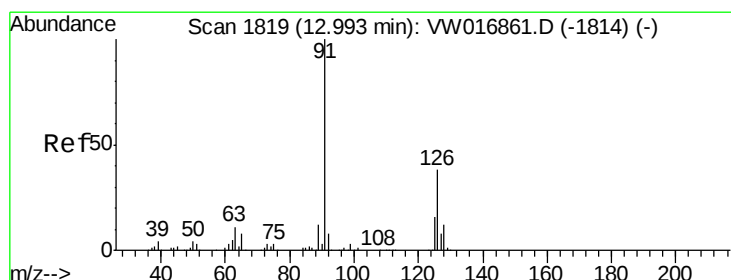
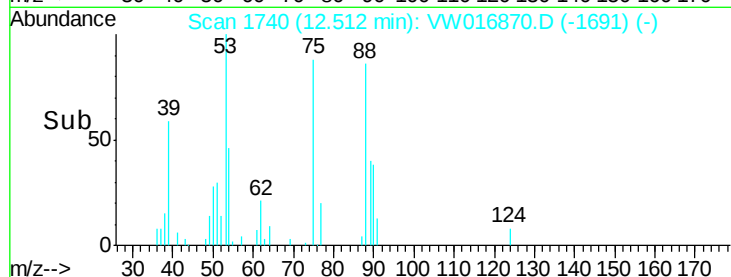
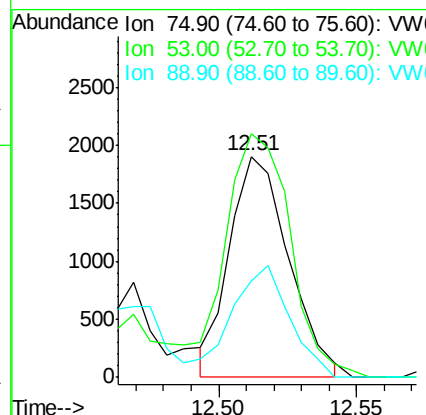
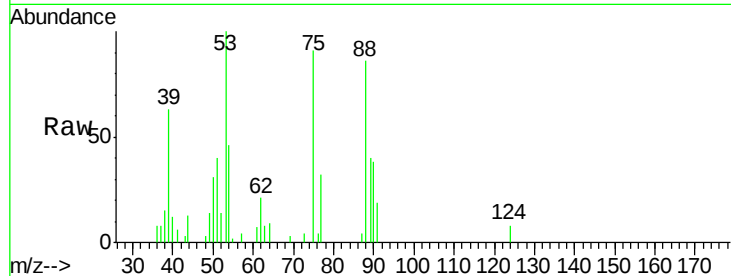
ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion:	75	Resp:	2867
Ion Ratio	Lower	Upper	
75	100		
53	0.0	77.0	115.4#
89	13.3	38.7	58.1#

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#82

4-Chlorotoluene

Concen: 5.196 ug/l

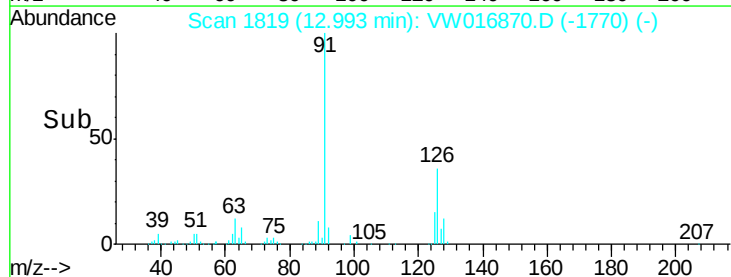
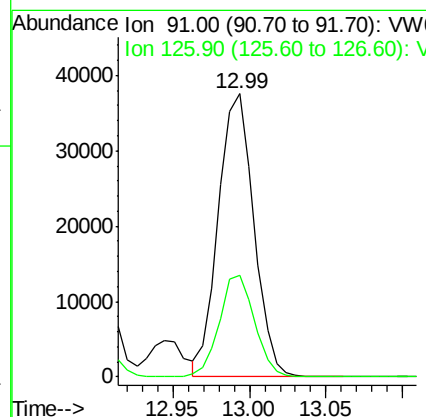
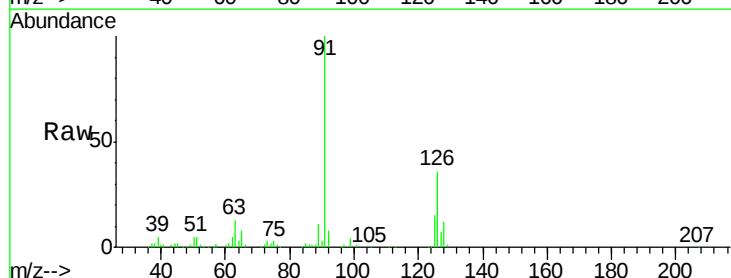
RT: 12.99 min Scan# 1819

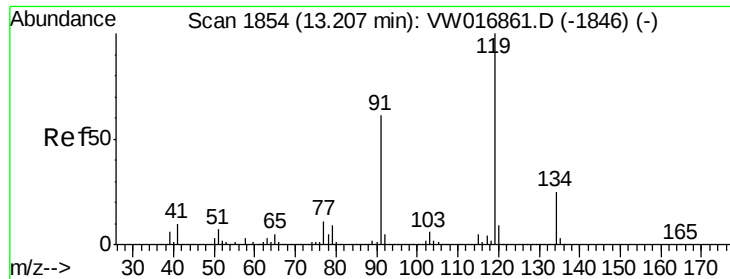
Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Tgt Ion:	91	Resp:	60462
Ion Ratio	Lower	Upper	
91	100		
126	35.8	18.1	54.3





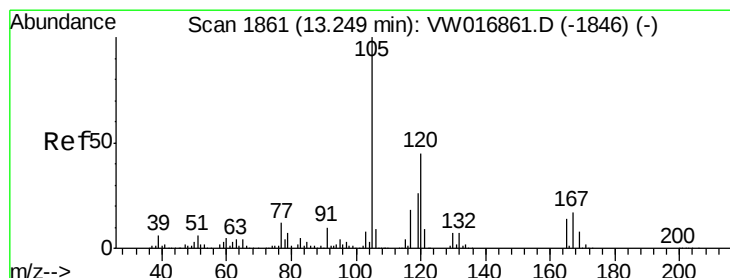
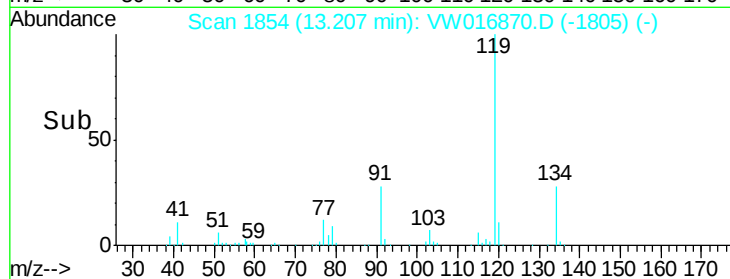
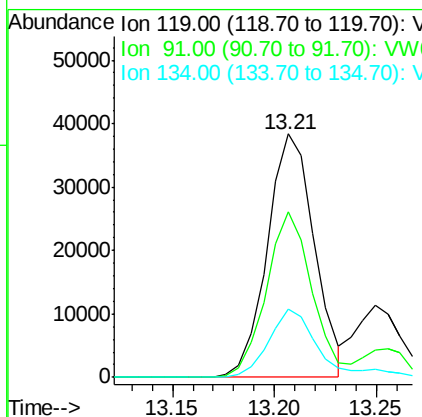
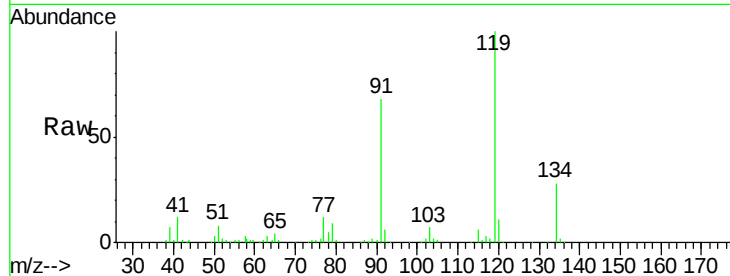
#83
tert-Butylbenzene
Concen: 4.951 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	31.3	93.9
134	29.9	14.0	42.0

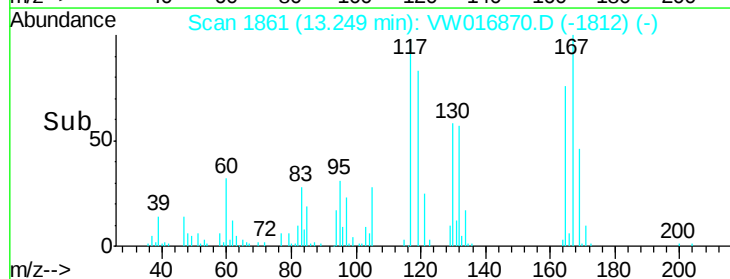
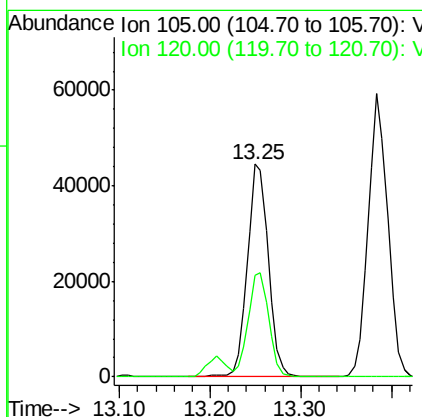
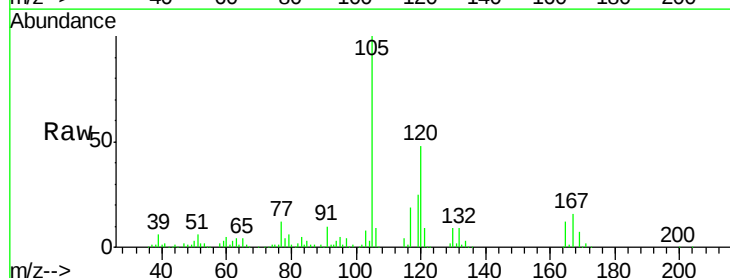
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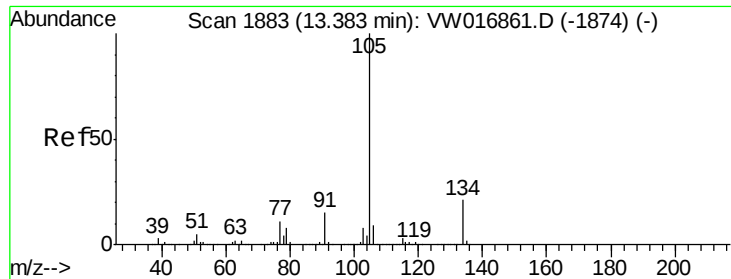
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#84
1,2,4-Trimethylbenzene
Concen: 5.001 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.4	70.0





#85

sec-Butylbenzene

Concen: 5.119 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion:105 Resp: 88866

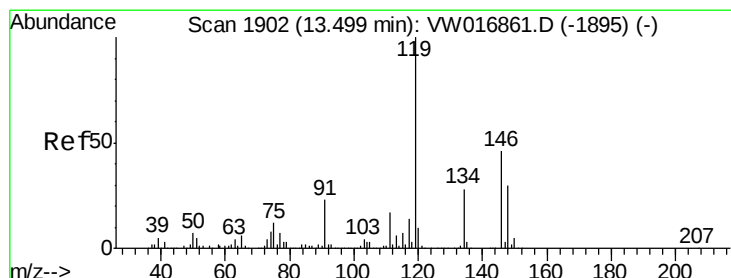
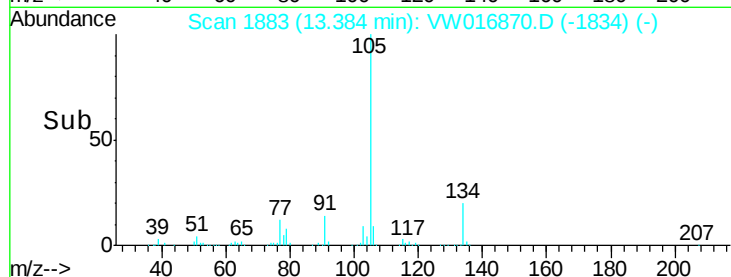
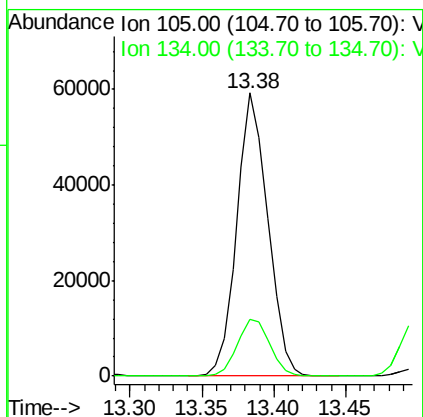
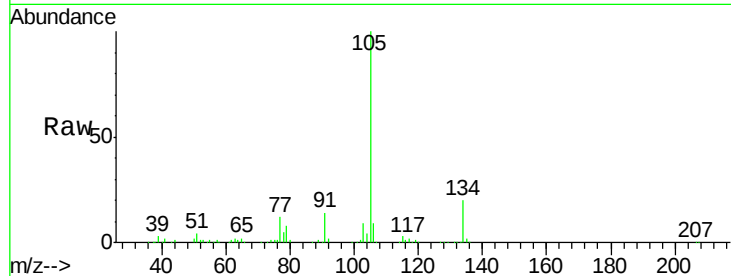
Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 5.016 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016870.D

Acq: 09 Oct 2020 19:41

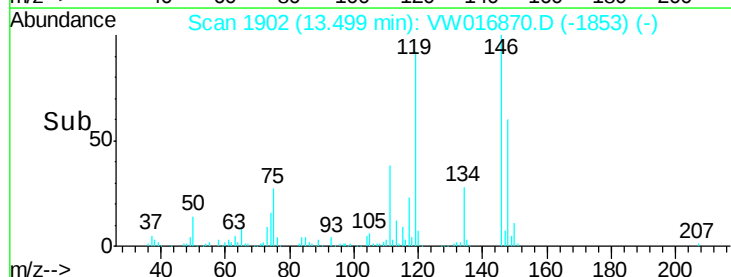
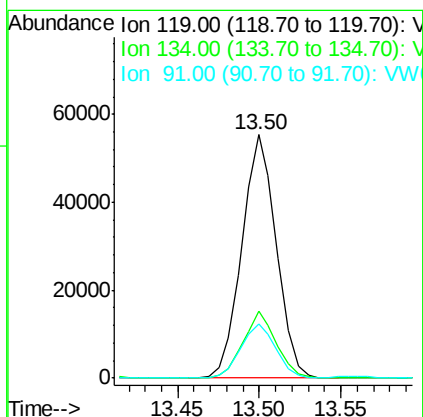
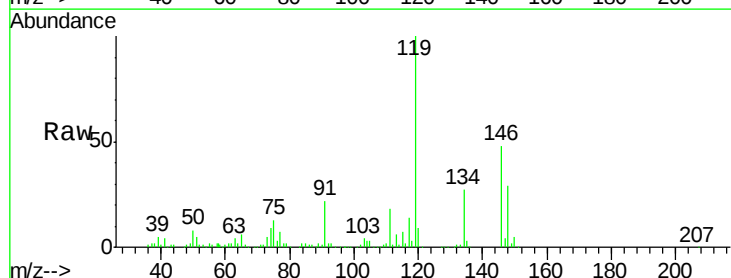
Tgt Ion:119 Resp: 81082

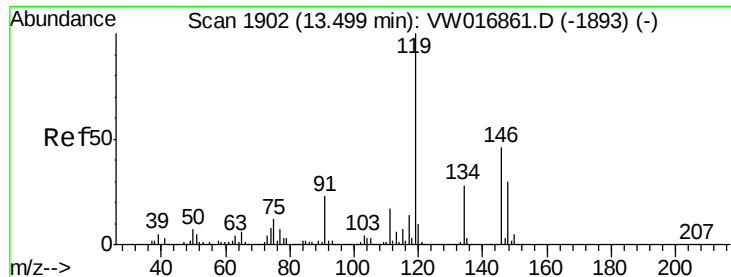
Ion Ratio Lower Upper

119 100

134 26.5 13.8 41.3

91 22.6 11.3 33.9





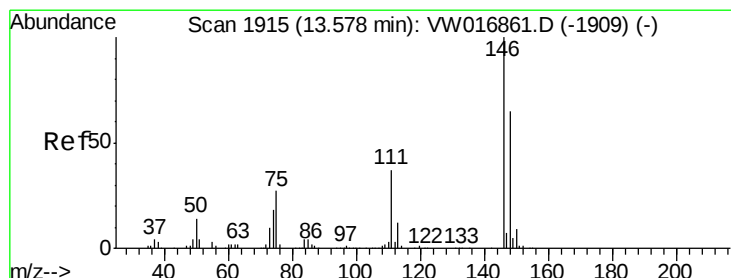
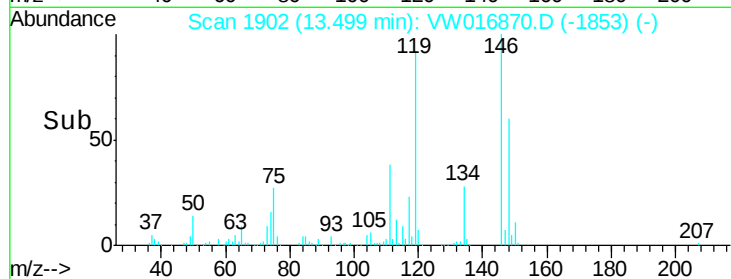
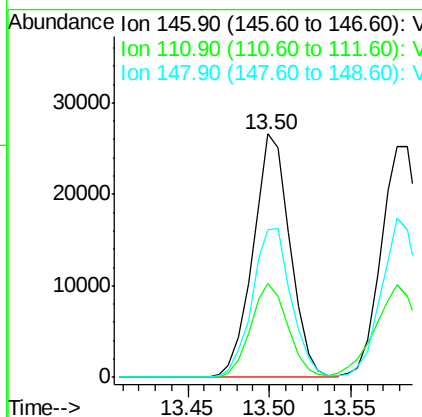
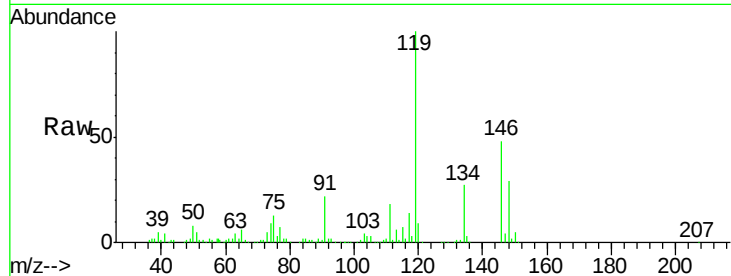
#87
 1,3-Dichlorobenzene
 Concen: 5.110 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	64.3	32.5	97.4

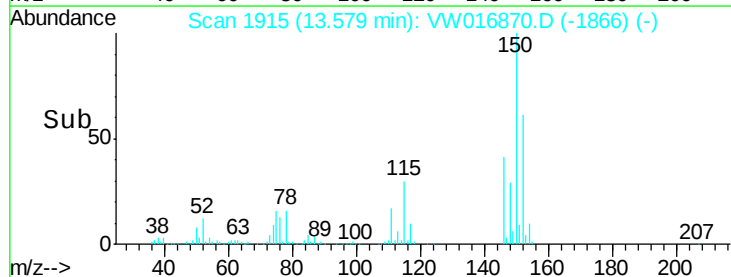
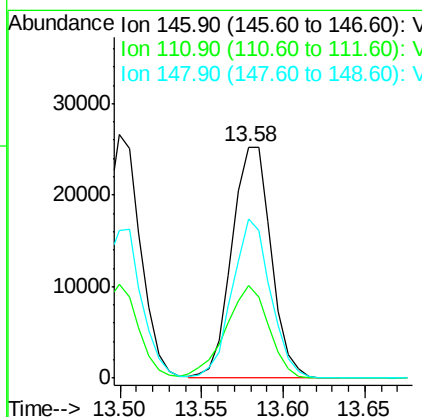
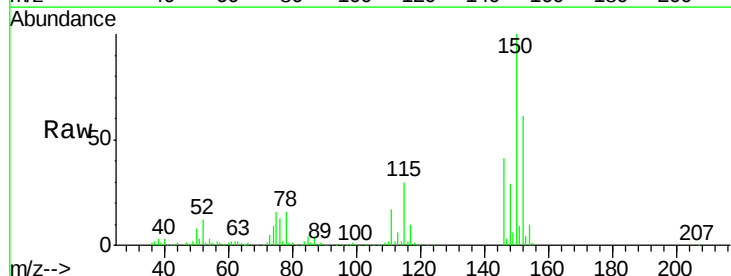
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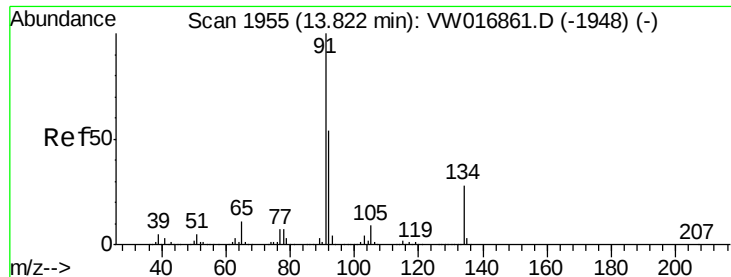
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#88
 1,4-Dichlorobenzene
 Concen: 5.267 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	18.5	55.5
148	67.1	31.8	95.4





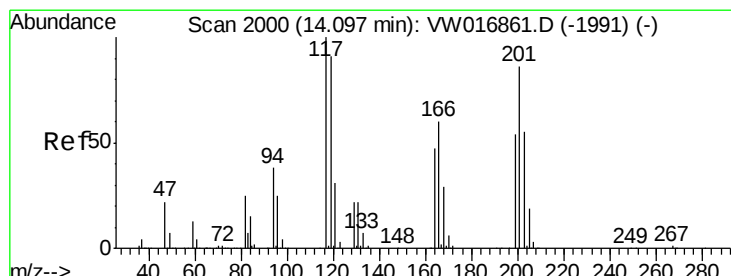
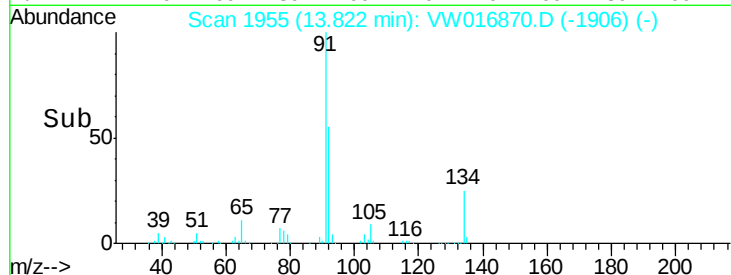
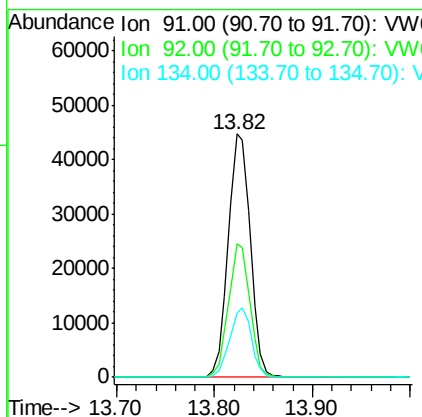
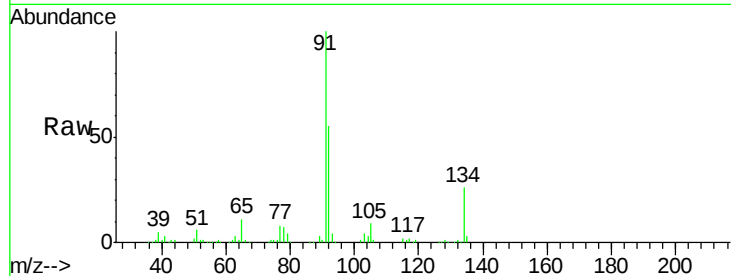
#89
n-Butylbenzene
Concen: 4.821 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	28.1	14.3	42.9

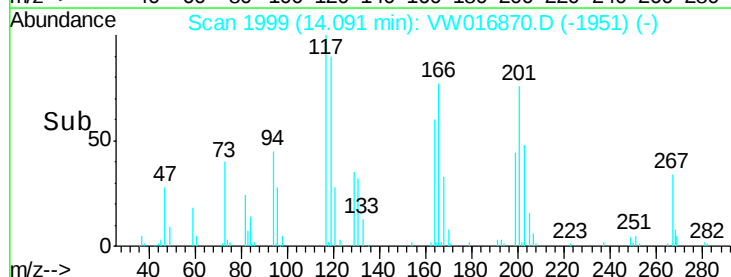
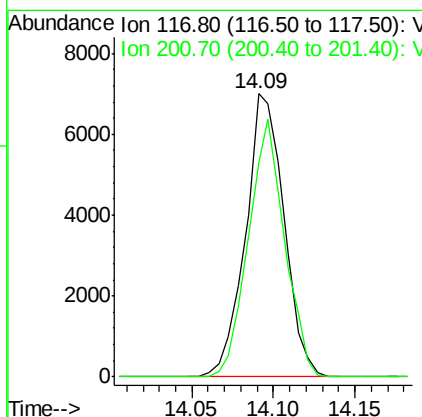
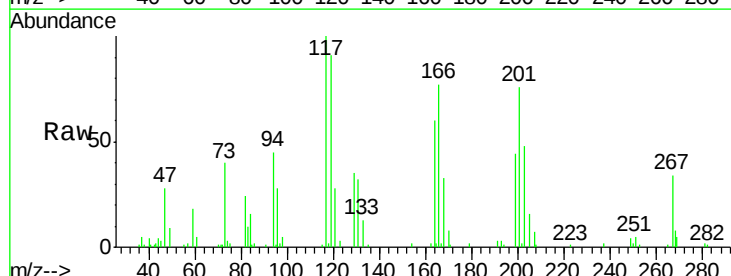
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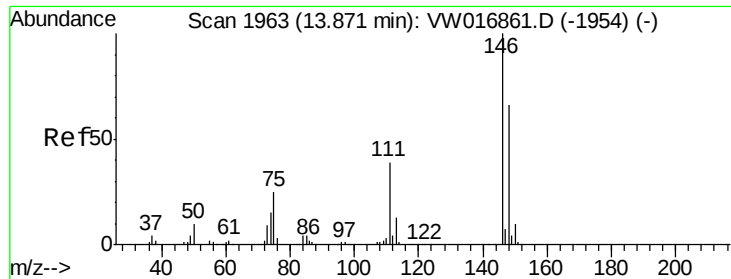
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#90
Hexachloroethane
Concen: 4.617 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	41.9	125.7





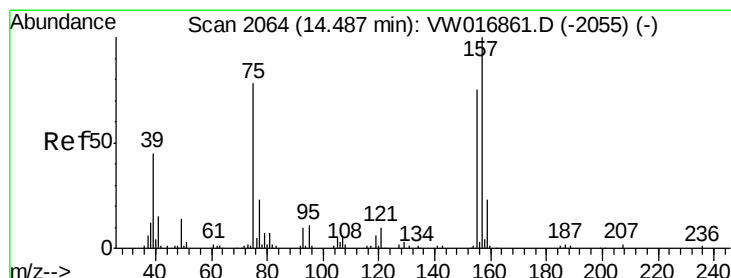
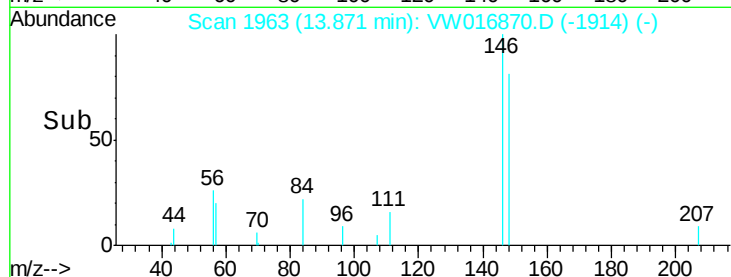
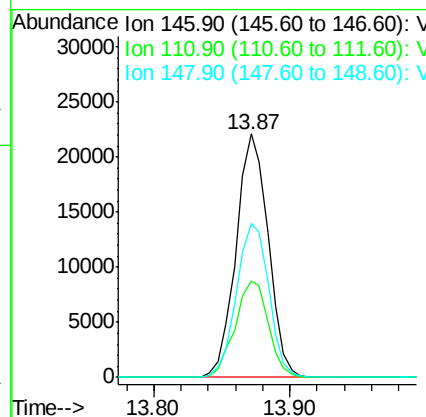
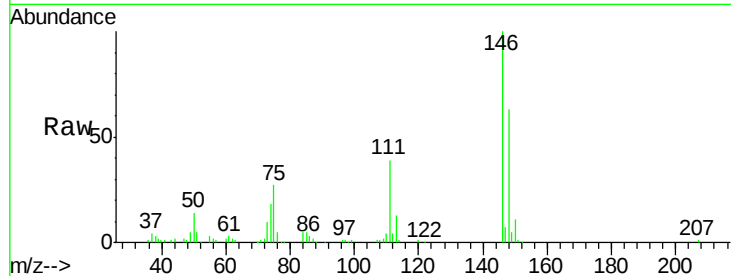
#91
 1,2-Dichlorobenzene
 Concen: 5.134 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.1	60.3
148	63.9	33.1	99.3

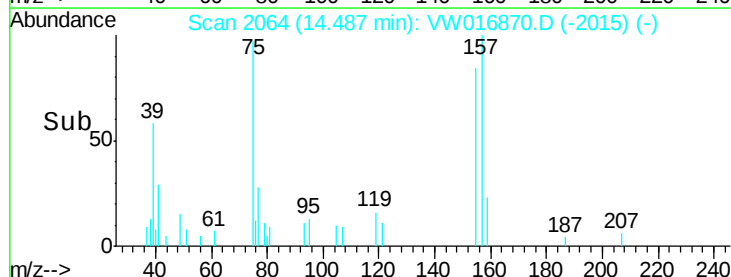
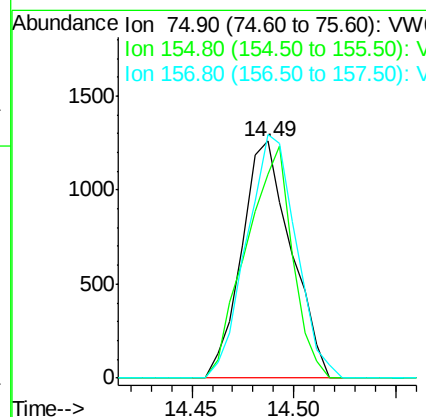
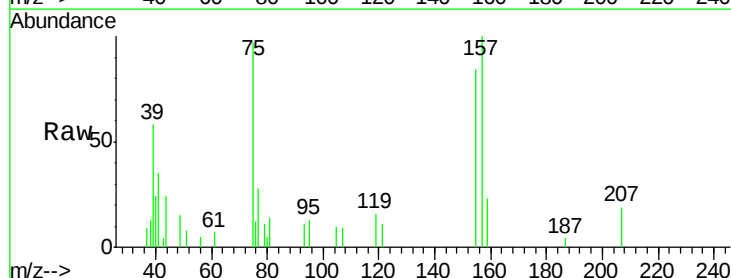
Manual Integrations
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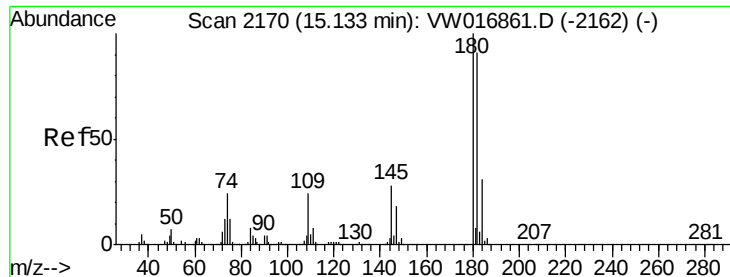
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.174 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	47.6	142.8
157	102.6	62.2	186.6





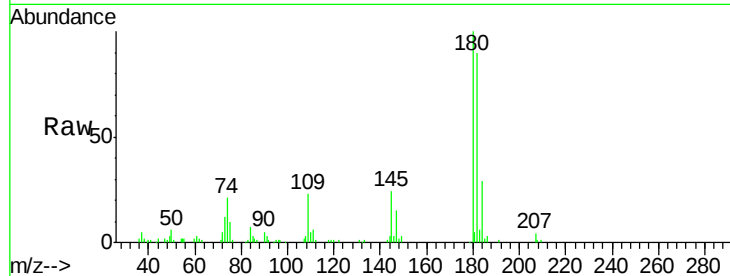
#93
 1,2,4-Trichlorobenzene
 Concen: 4.853 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

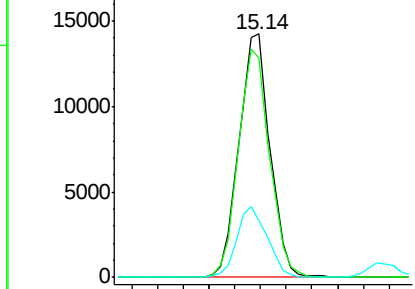
Tot Ion	Ratio	Resp	Lower	Upper
180	100	23662		
182	94.1	48.3	144.9	
145	28.8	14.9	44.5	

Manual Integrations
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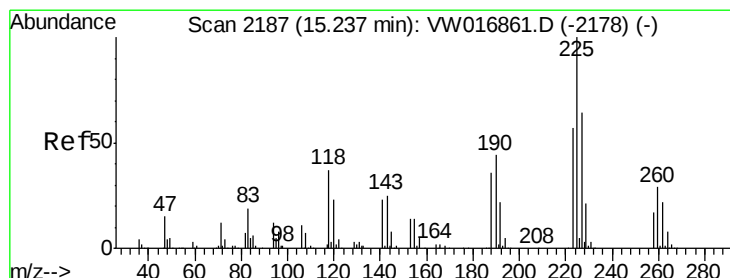
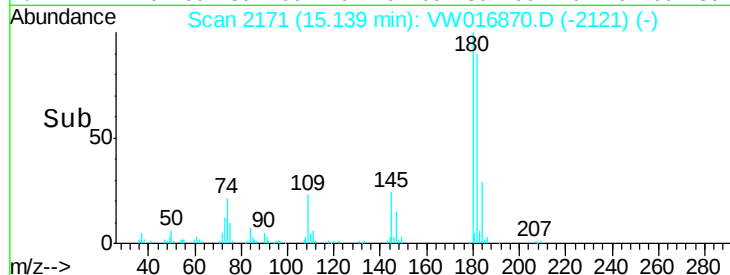
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

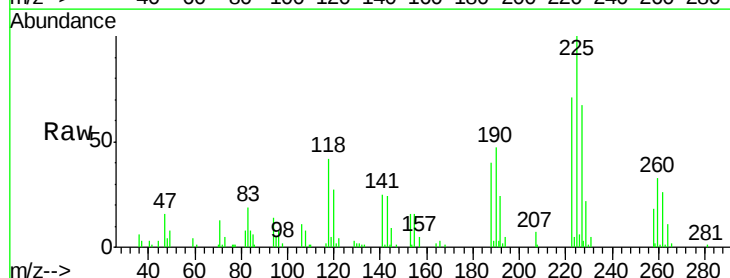


Time-->

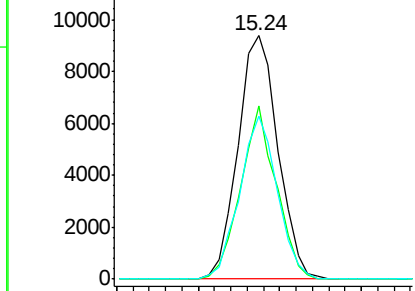


#94
 Hexachlorobutadiene
 Concen: 5.054 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW016870.D
 Acq: 09 Oct 2020 19:41

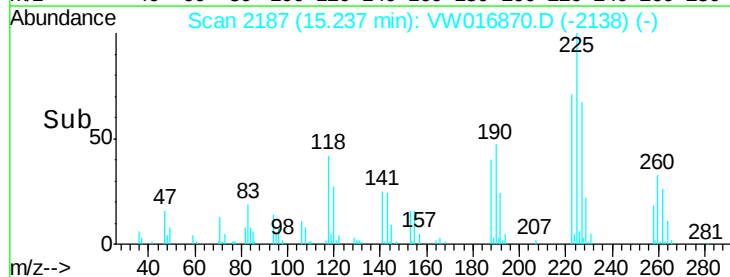
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	15976		
223	63.2	31.9	95.7	
227	63.4	33.0	99.0	

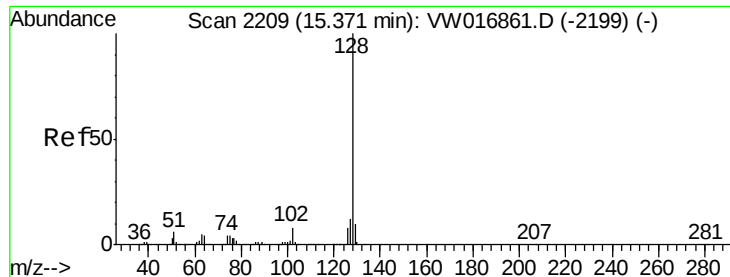


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





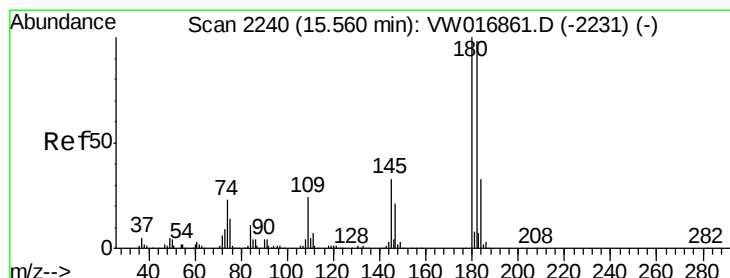
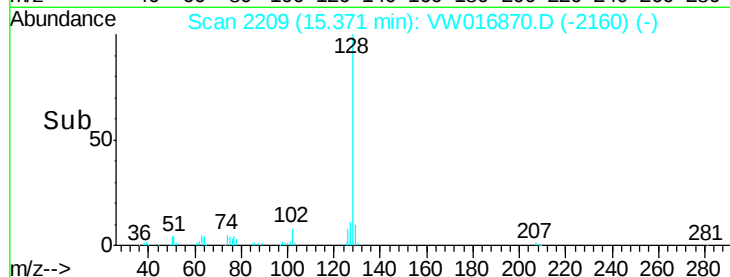
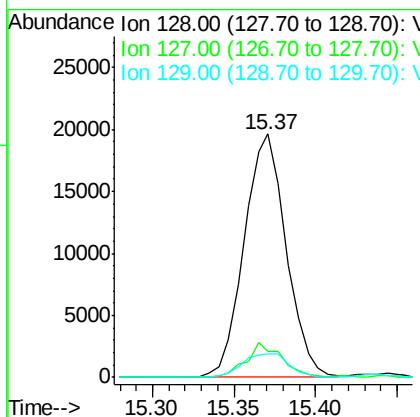
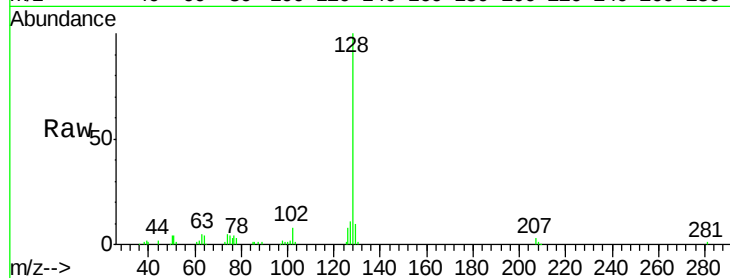
#95
Naphthalene
Concen: 4.434 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	35136		
127	12.4		10.4	15.6
129	10.8		8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 4.916 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016870.D
Acq: 09 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	20855		
182	98.1		49.4	148.2
145	30.2		16.3	48.9

