

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001829.D
 Acq On : 03 Mar 2020 13:09
 Operator : SY/MD
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:02:03 PM

Quant Time: Mar 04 04:30:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	170361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	311186	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	276399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	128870	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	90626	49.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.74	113	83247	46.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.42%	
50) Toluene-d8	10.19	98	345368	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.49	95	121713	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	5881	3.541 ug/l	95
3) Chloromethane	2.12	50	7286	3.262 ug/l	94
4) Vinyl Chloride	2.26	62	6527	2.897 ug/l #	85
5) Bromomethane	2.66	94	5082	3.609 ug/l	85
6) Chloroethane	2.80	64	4476	3.224 ug/l	91
7) Trichlorofluoromethane	3.13	101	10835	3.758 ug/l	87
8) Diethyl Ether	3.55	74	3556	3.128 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.92	101	6298	3.475 ug/l	94
10) Methyl Iodide	4.11	142	5586	2.518 ug/l	97
11) Tert butyl alcohol	4.96	59	8334	32.776 ug/l #	83
12) 1,1-Dichloroethene	3.90	96	6126	3.314 ug/l	90
13) Acrolein	3.75	56	2128	11.498 ug/l	89
14) Allyl chloride	4.50	41	10589	3.219 ug/l	96
15) Acrylonitrile	5.20	53	10103	17.340 ug/l	98
16) Acetone	3.97	43	10252	16.169 ug/l	88
17) Carbon Disulfide	4.21	76	18264	2.960 ug/l	97
18) Methyl Acetate	4.50	43	7973	5.774 ug/l #	68
19) Methyl tert-butyl Ether	5.24	73	16287	3.165 ug/l	93
20) Methylene Chloride	4.74	84	14676	6.516 ug/l	95
21) trans-1,2-Dichloroethene	5.24	96	6850	3.248 ug/l	87
22) Diisopropyl ether	6.14	45	21620	3.200 ug/l	96
23) Vinyl Acetate	6.08	43	59202	13.434 ug/l	97
24) 1,1-Dichloroethane	6.04	63	11488	3.182 ug/l	98
25) 2-Butanone	7.00	43	14505	16.840 ug/l	100
26) 2,2-Dichloropropane	7.00	77	10646	3.389 ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	7236	3.108 ug/l	92
28) Bromochloromethane	7.35	49	3934	2.615 ug/l #	95
29) Tetrahydrofuran	7.36	42	9316	17.894 ug/l	94
30) Chloroform	7.53	83	11510	3.262 ug/l	89
31) Cyclohexane	7.80	56	15560	4.042 ug/l #	75
32) 1,1,1-Trichloroethane	7.72	97	9167	3.091 ug/l	99
36) 1,1-Dichloropropene	7.93	75	9241	3.109 ug/l	98
37) Ethyl Acetate	7.10	43	5551	3.129 ug/l	97
38) Carbon Tetrachloride	7.91	117	7685	2.943 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	12423	3.150	ug/l	93
40) Benzene	8.18	78	27390	3.133	ug/l	98
41) Methacrylonitrile	7.33	41	2960m	3.323	ug/l	
42) 1,2-Dichloroethane	8.25	62	7789	3.270	ug/l	100
43) Isopropyl Acetate	8.28	43	10643	3.162	ug/l	98
44) Trichloroethene	8.96	130	6860	3.143	ug/l	88
45) 1,2-Dichloropropane	9.22	63	6982	3.189	ug/l	95
46) Dibromomethane	9.32	93	3733	3.260	ug/l	96
47) Bromodichloromethane	9.51	83	8353	3.022	ug/l	98
48) Methyl methacrylate	9.30	41	4667	3.066	ug/l	97
49) 1,4-Dioxane	9.30	88	1030	63.684	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	25966	15.014	ug/l	99
52) Toluene	10.25	92	16666	3.056	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	8815	2.885	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	10637	3.025	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	5398	3.197	ug/l	93
56) Ethyl methacrylate	10.52	69	7048	2.782	ug/l	89
57) 1,3-Dichloropropane	10.80	76	9715	3.238	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	16197	15.312	ug/l	99
59) 2-Hexanone	10.84	43	19079	14.703	ug/l	97
60) Dibromochloromethane	10.99	129	5323	2.859	ug/l	95
61) 1,2-Dibromoethane	11.10	107	4867	3.048	ug/l	96
64) Tetrachloroethene	10.73	164	5801	3.343	ug/l	92
65) Chlorobenzene	11.52	112	18220	3.302	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.60	131	5503	2.956	ug/l	96
67) Ethyl Benzene	11.60	91	32152	3.140	ug/l	99
68) m/p-Xylenes	11.70	106	23500	6.143	ug/l	100
69) o-Xylene	12.03	106	11218	3.085	ug/l	98
70) Styrene	12.05	104	18438	2.917	ug/l	99
71) Bromoform	12.21	173	2705	2.543	ug/l #	92
73) Isopropylbenzene	12.34	105	29999	3.056	ug/l	99
74) N-amyl acetate	12.15	43	9336	2.980	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	6315	3.013	ug/l	91
76) 1,2,3-Trichloropropane	12.64	75	4841m	3.275	ug/l	
77) Bromobenzene	12.61	156	6483	3.046	ug/l	97
78) n-propylbenzene	12.67	91	38574	3.226	ug/l	99
79) 2-Chlorotoluene	12.77	91	20814	3.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	25197	3.100	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	2027	2.601	ug/l #	86
82) 4-Chlorotoluene	12.86	91	21878	3.093	ug/l	100
83) tert-Butylbenzene	13.08	119	21482	3.161	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	24736	3.053	ug/l	97
85) sec-Butylbenzene	13.26	105	30915	3.093	ug/l	100
86) p-Isopropyltoluene	13.38	119	26739	3.079	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	12674	3.071	ug/l	96
88) 1,4-Dichlorobenzene	13.45	146	13562	3.250	ug/l	91
89) n-Butylbenzene	13.70	91	27415	3.089	ug/l	96
90) Hexachloroethane	13.97	117	4756	2.907	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	11792	3.096	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1103	3.188	ug/l	91

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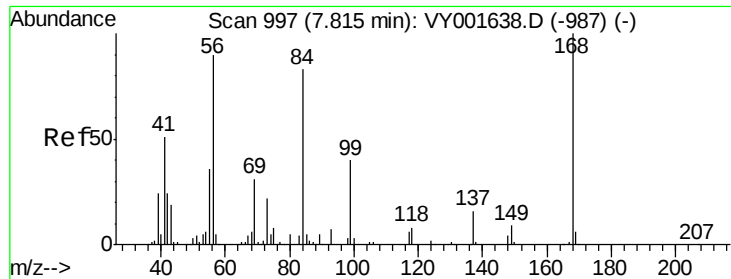
Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:02:03 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	8180	3.241	ug/l	94
94) Hexachlorobutadiene	15.12	225	3927	3.128	ug/l	97
95) Naphthalene	15.24	128	19354	3.325	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	7884	3.550	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:168 Resp: 170361

Ion Ratio Lower Upper

168 100

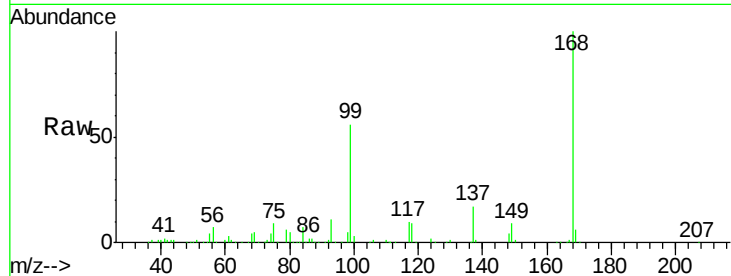
99 55.6 47.5 71.3

Manual Integrations

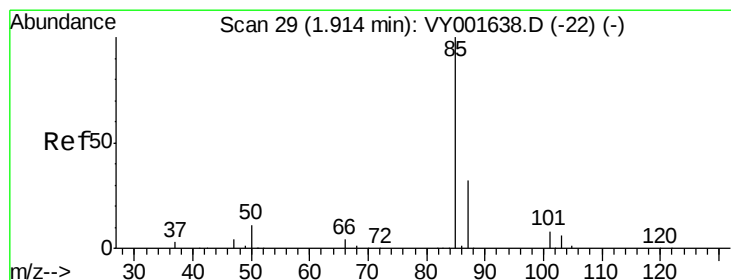
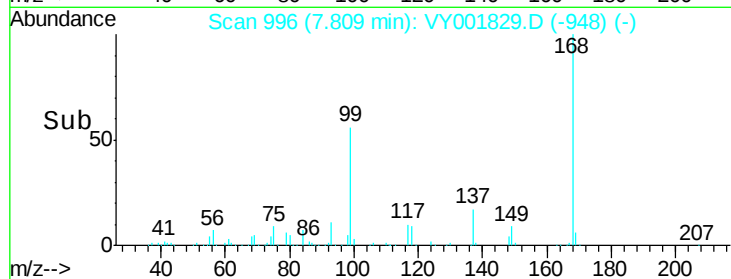
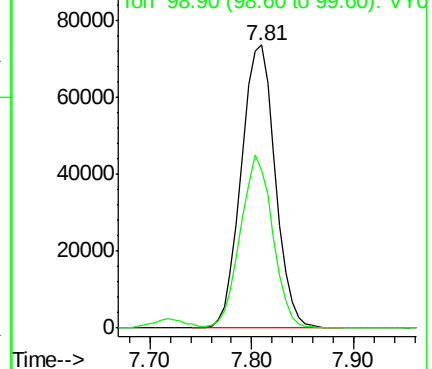
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3/4/2020 2:02:03 PM



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)



#2

Dichlorodifluoromethane

Concen: 3.541 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001829.D

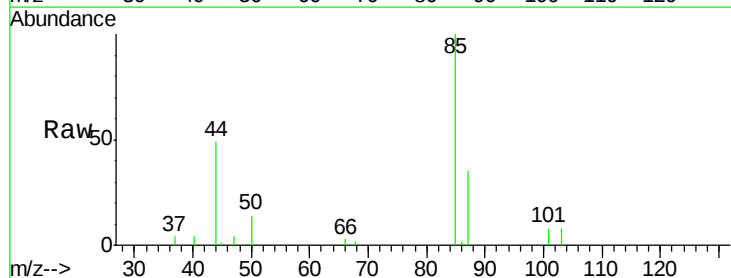
Acq: 03 Mar 2020 13:09

Tgt Ion: 85 Resp: 5881

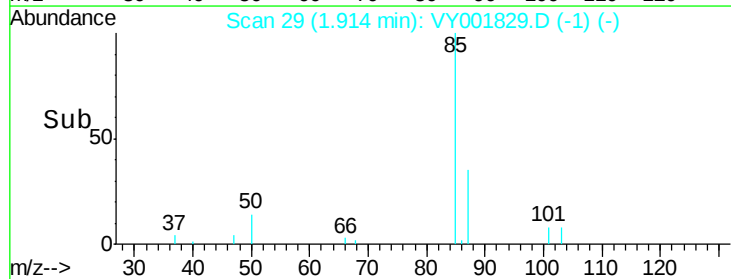
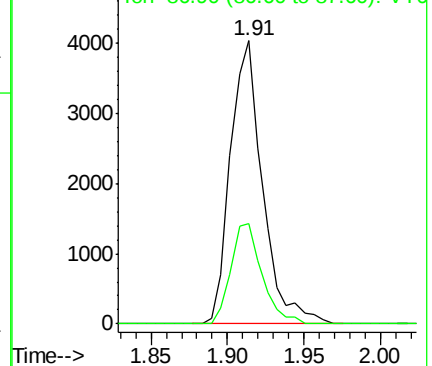
Ion Ratio Lower Upper

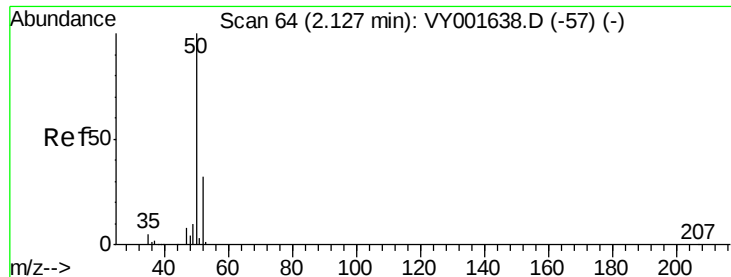
85 100

87 35.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001638.D (-22) (-)





#3

Chloromethane

Concen: 3.262 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 50 Resp: 7286

Ion Ratio Lower Upper

50 100

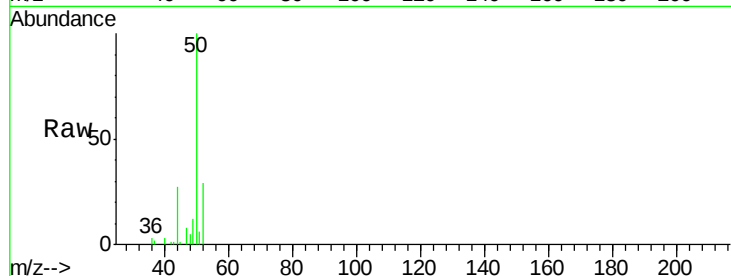
52 29.0 25.8 38.6

Manual Integrations

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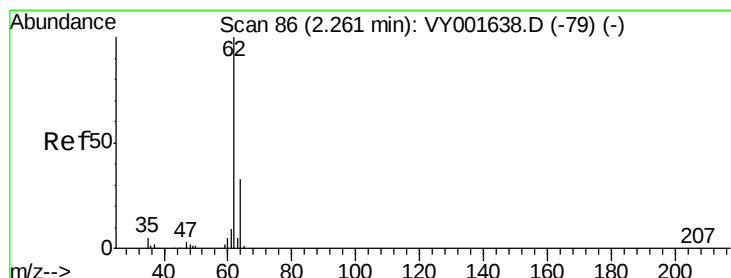
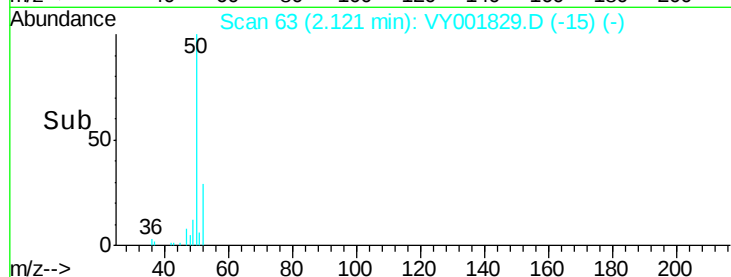
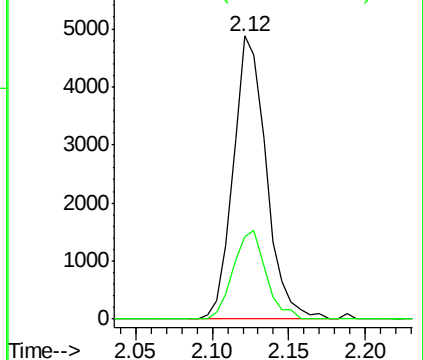
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 2.897 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001829.D

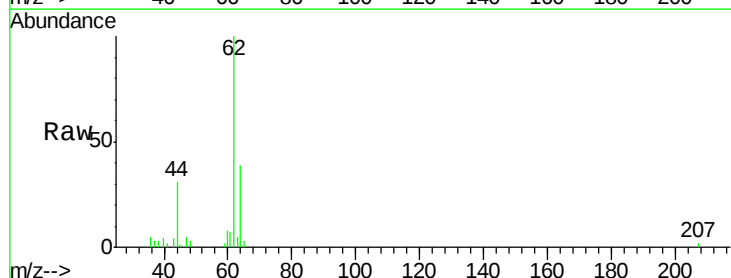
Acq: 03 Mar 2020 13:09

Tgt Ion: 62 Resp: 6527

Ion Ratio Lower Upper

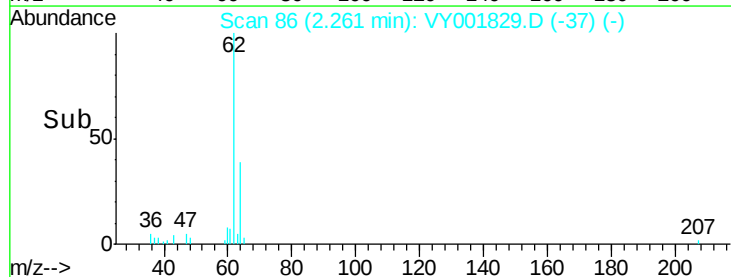
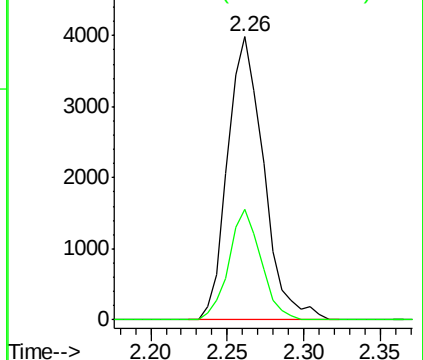
62 100

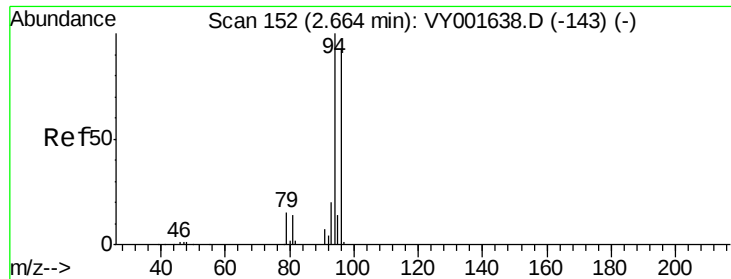
64 39.1 24.9 37.3#



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 3.609 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 94 Resp: 5082

Ion Ratio Lower Upper

94 100

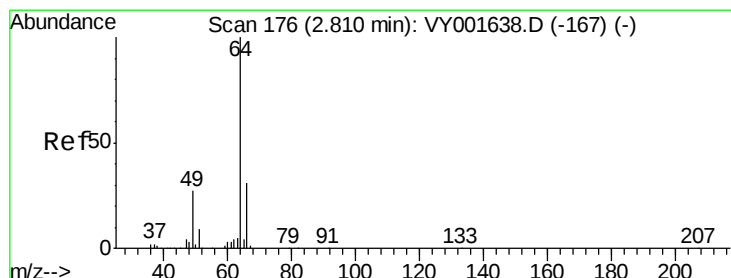
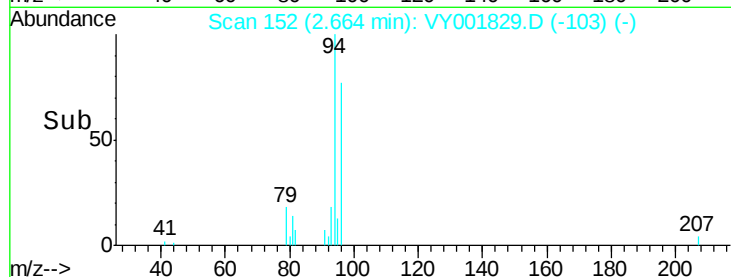
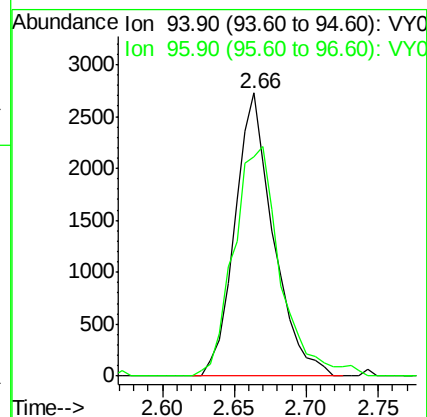
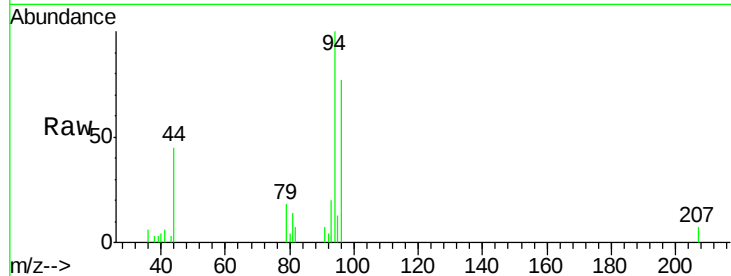
96 77.3 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 3.224 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001829.D

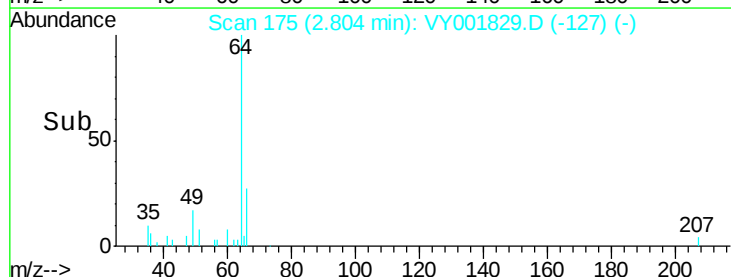
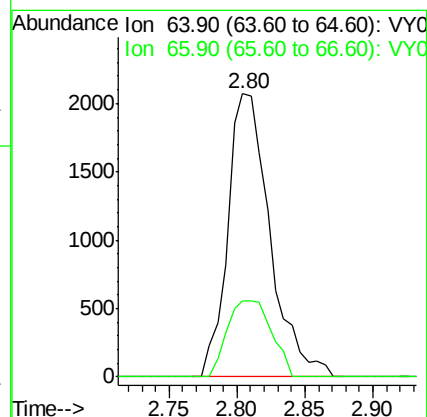
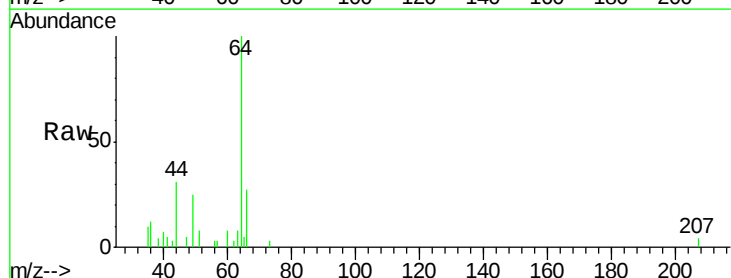
Acq: 03 Mar 2020 13:09

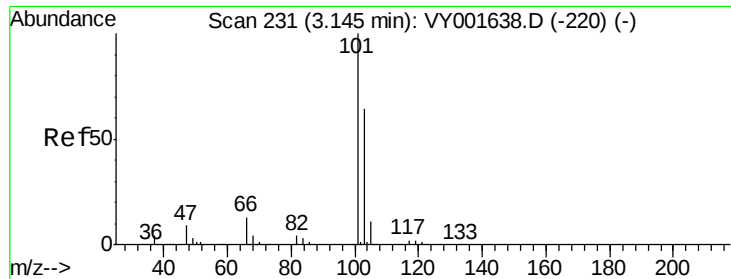
Tgt Ion: 64 Resp: 4476

Ion Ratio Lower Upper

64 100

66 27.0 25.5 38.3





#7

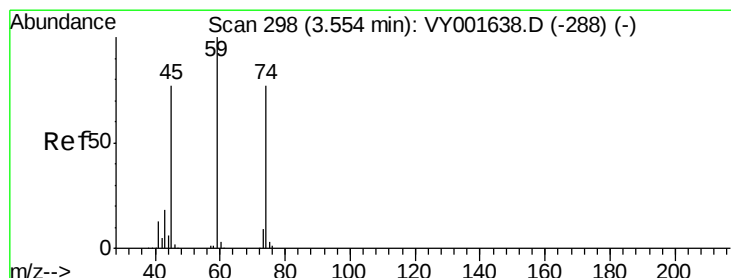
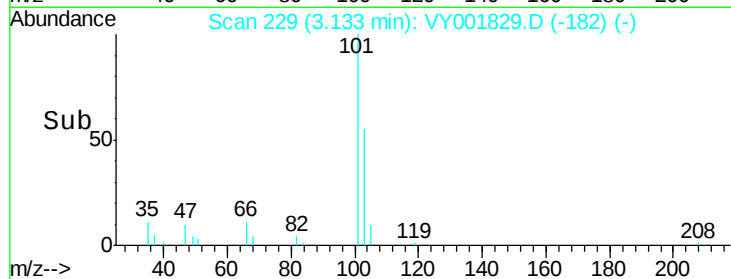
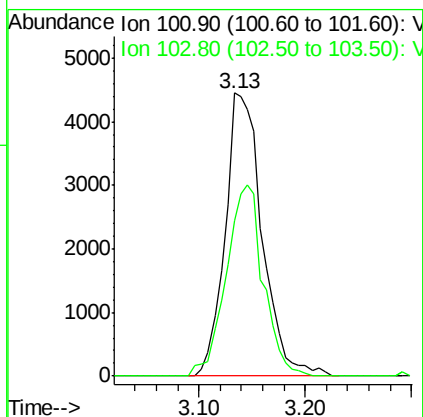
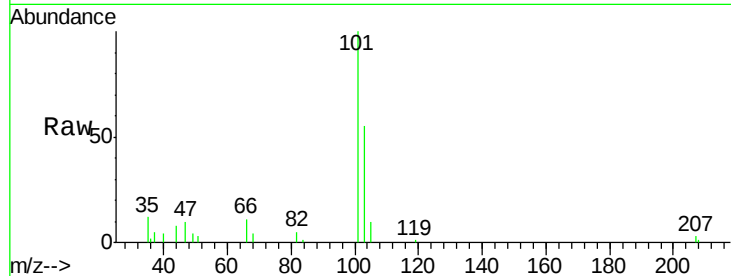
Trichlorofluoromethane
Concen: 3.758 ug/l
RT: 3.13 min Scan# 229
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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Tot Ion	Ratio	Lower	Upper
101	100		
103	54.8	52.2	78.2

Manual Integrations
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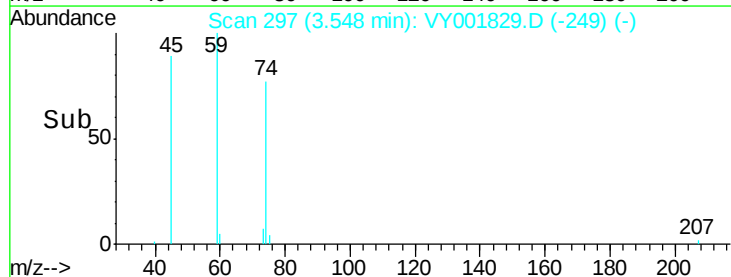
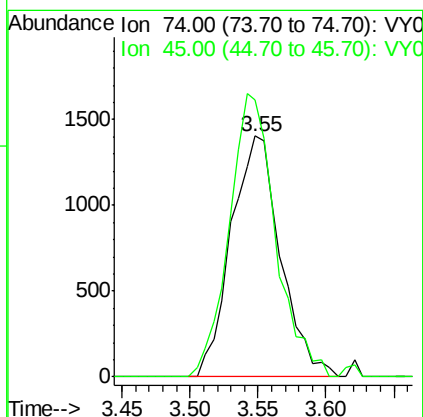
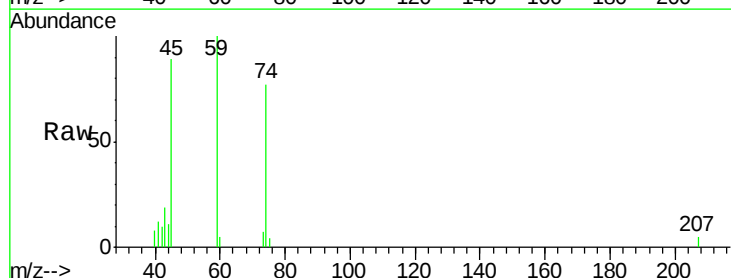
MMDadoda
3/4/2020 2:02:03 PM

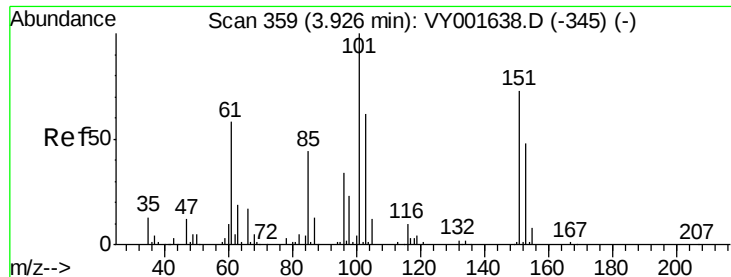


#8

Diethyl Ether
Concen: 3.128 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.2	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.475 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

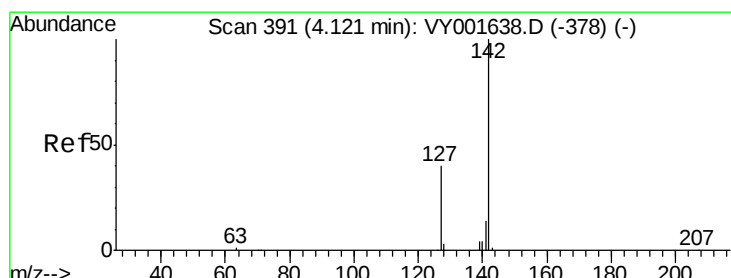
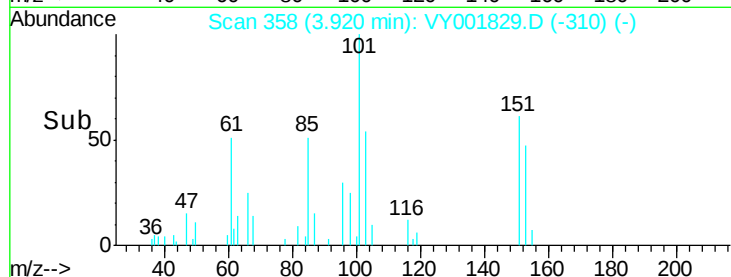
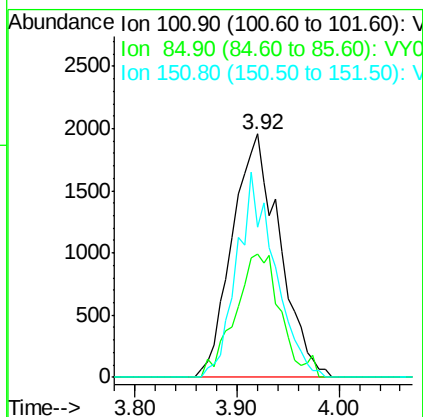
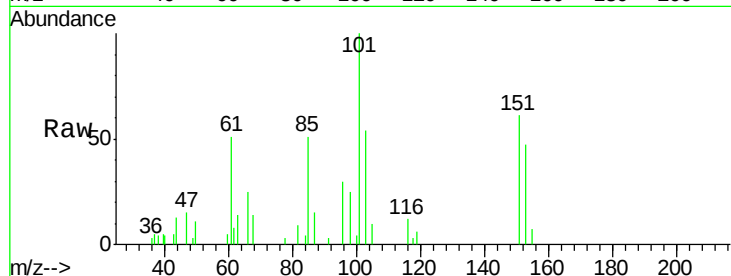
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	101	Resp:	6298
Ion Ratio	Lower	Upper	
101	100		
85	47.3	35.1	52.7
151	67.5	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 2.518 ug/l

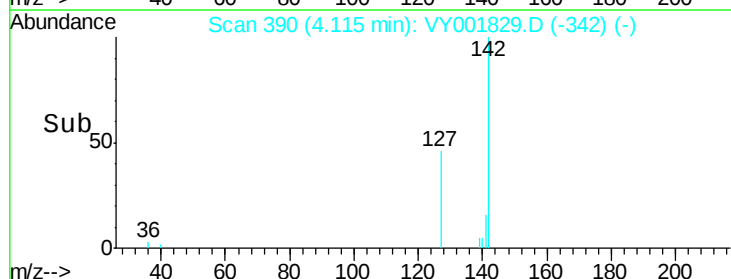
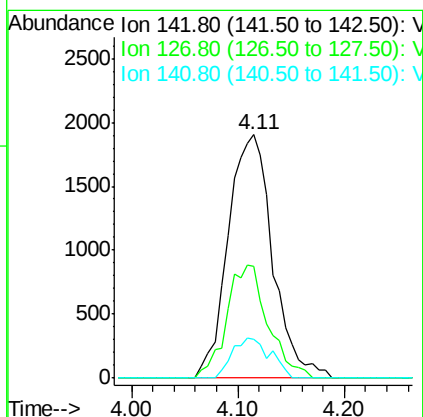
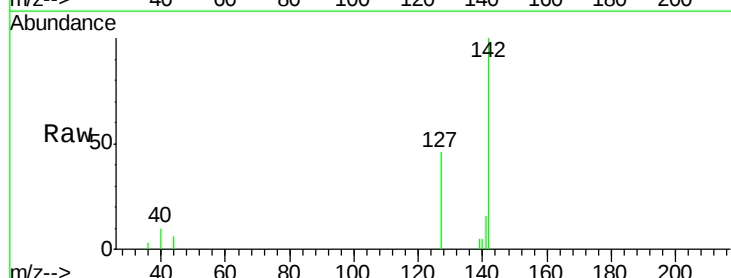
RT: 4.11 min Scan# 390

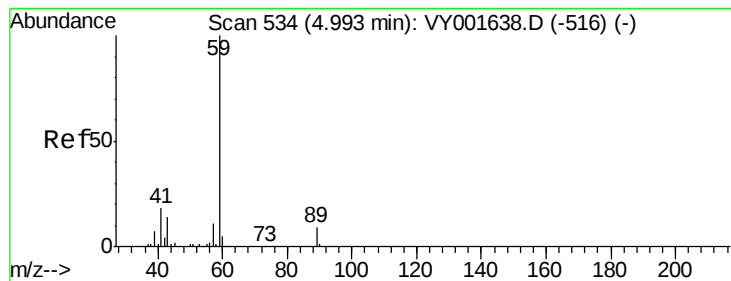
Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Tgt Ion:	142	Resp:	5586
Ion Ratio	Lower	Upper	
142	100		
127	42.9	32.1	48.1
141	14.1	11.3	16.9





#11

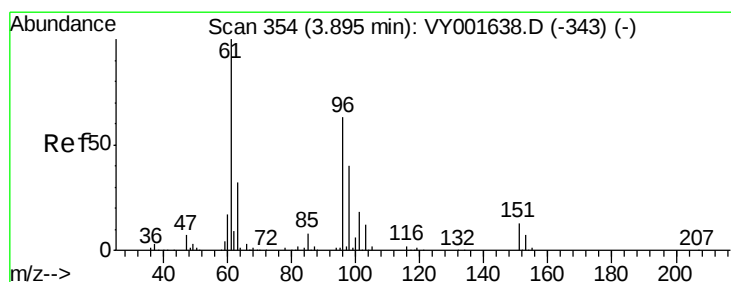
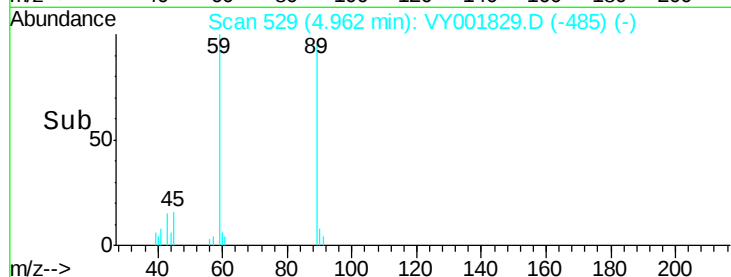
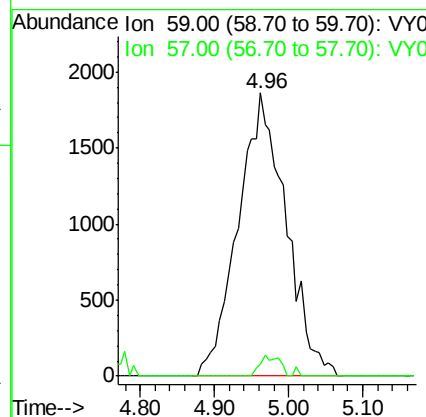
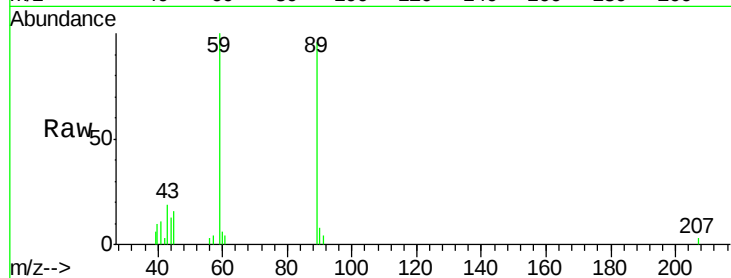
Tert butyl alcohol
Concen: 32.776 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.03 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion: 59 Resp: 8334
Ion Ratio Lower Upper
59 100
57 3.0 7.4 11.2#

Manual Integrations
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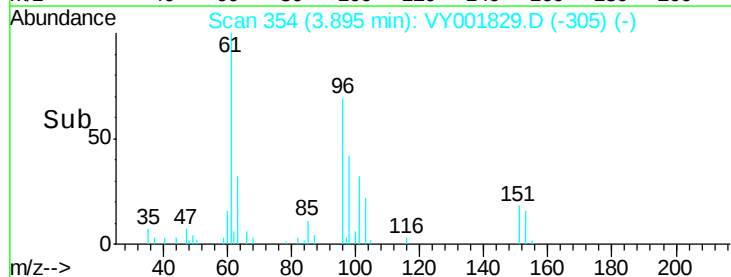
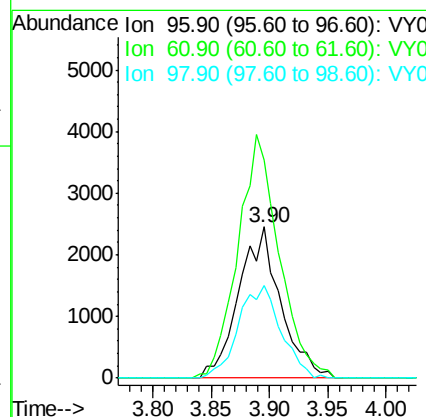
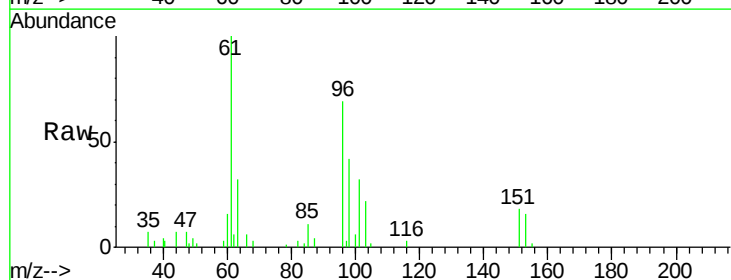
MMDadoda
3/4/2020 2:02:03 PM

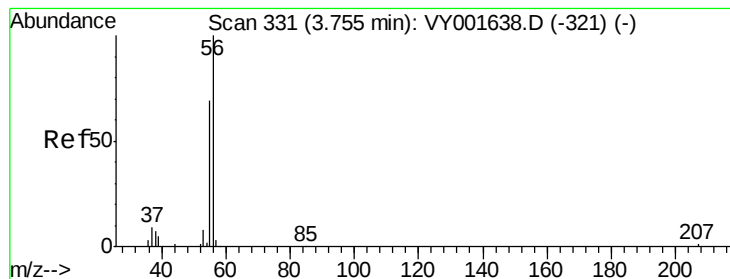


#12

1,1-Dichloroethene
Concen: 3.314 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 96 Resp: 6126
Ion Ratio Lower Upper
96 100
61 144.6 128.7 193.1
98 60.9 50.7 76.1





#13

Acrolein

Concen: 11.498 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 56 Resp: 2128

Ion Ratio Lower Upper

56 100

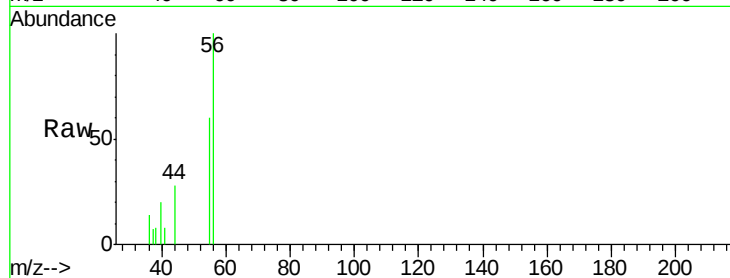
55 61.1 56.1 84.1

Manual Integrations

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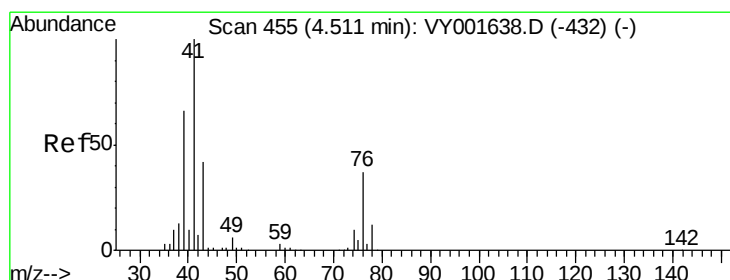
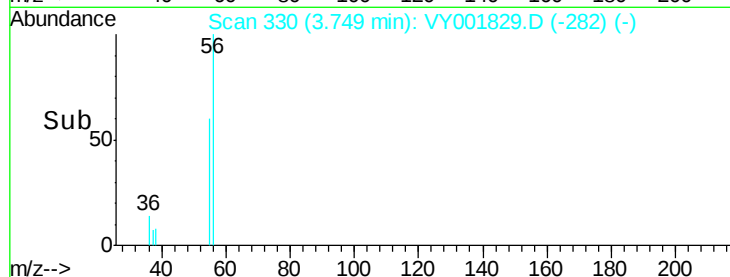
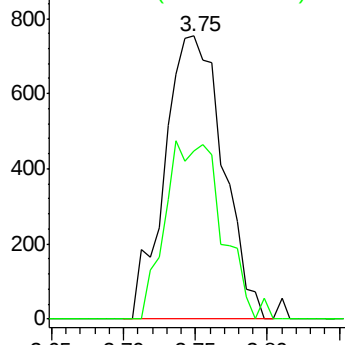
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 3.219 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

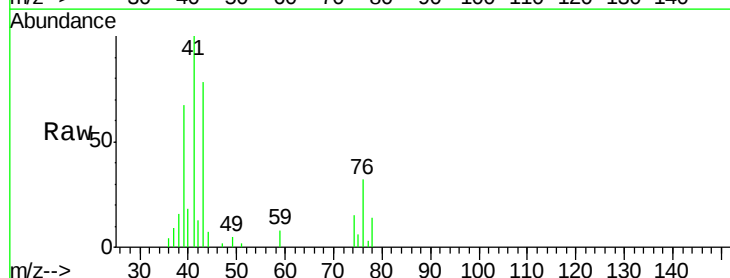
Tgt Ion: 41 Resp: 10589

Ion Ratio Lower Upper

41 100

39 64.4 49.4 74.0

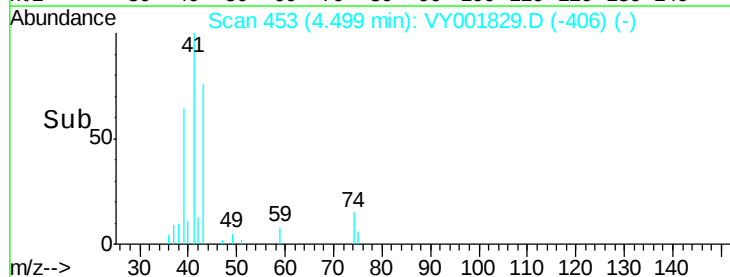
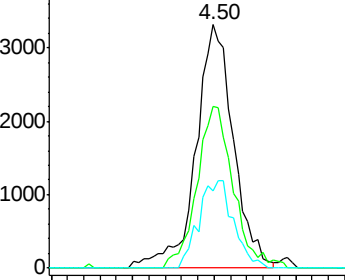
76 33.2 29.0 43.6

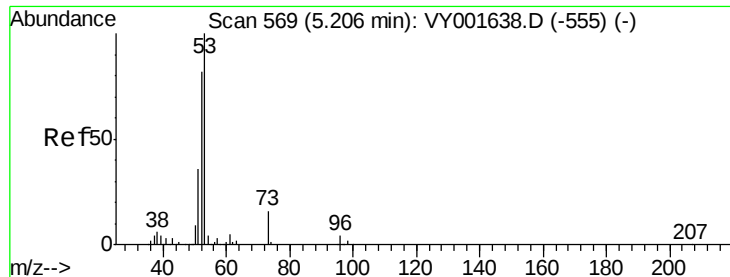


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 17.340 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

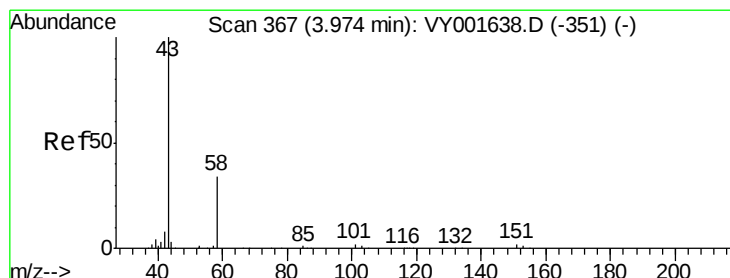
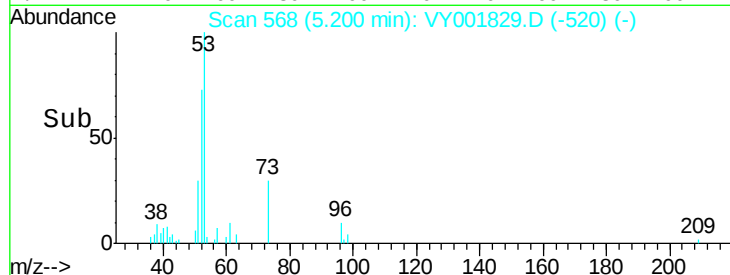
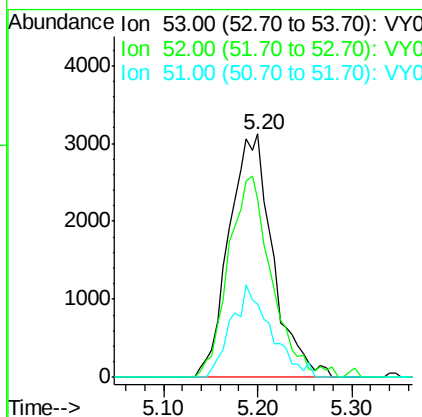
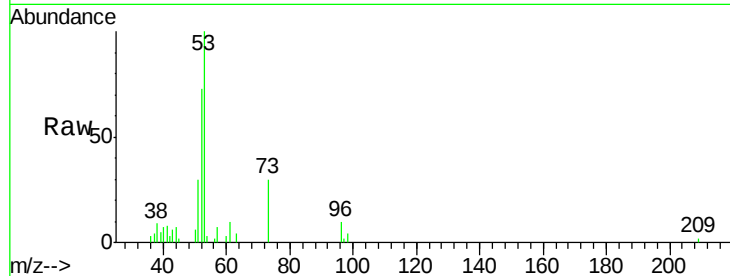
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	53	Resp:	10103
Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.4	98.0
51	34.3	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 16.169 ug/l

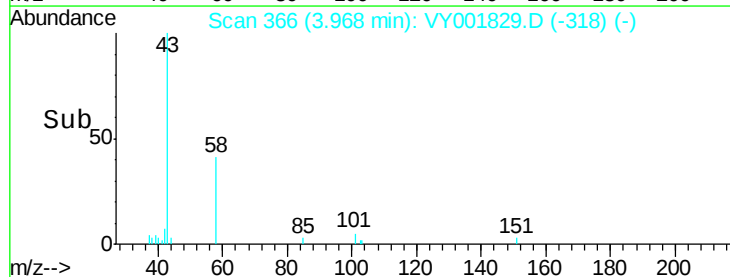
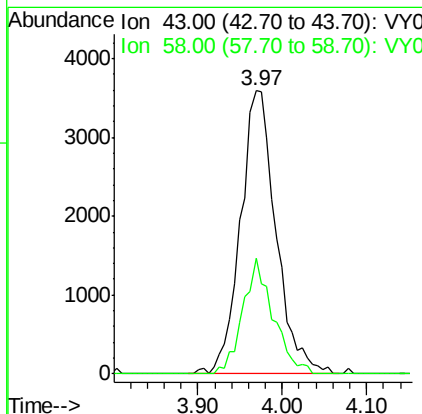
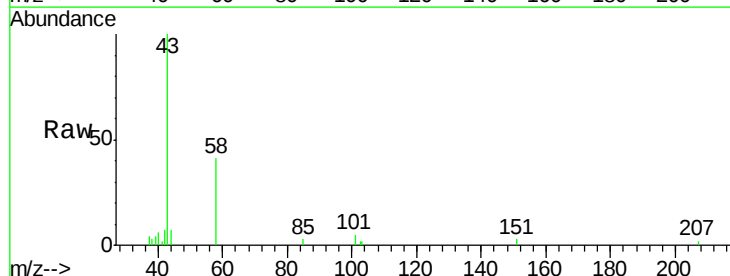
RT: 3.97 min Scan# 366

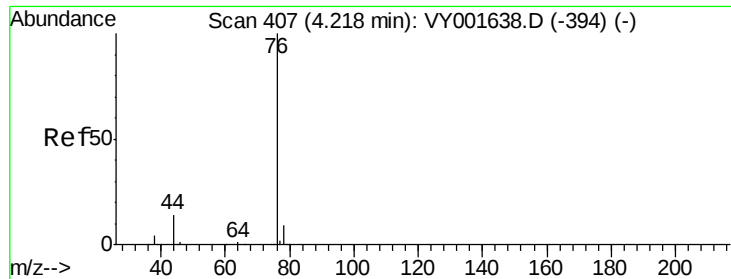
Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Tgt Ion:	43	Resp:	10252
Ion	Ratio	Lower	Upper
43	100		
58	40.8	27.3	40.9





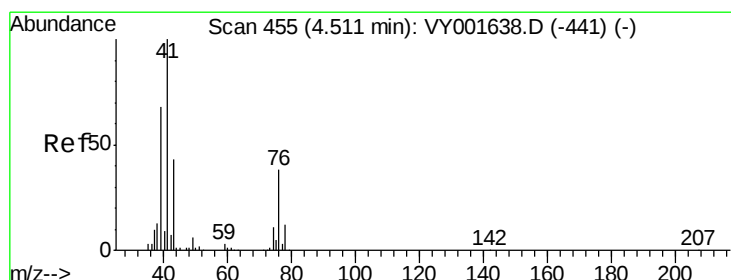
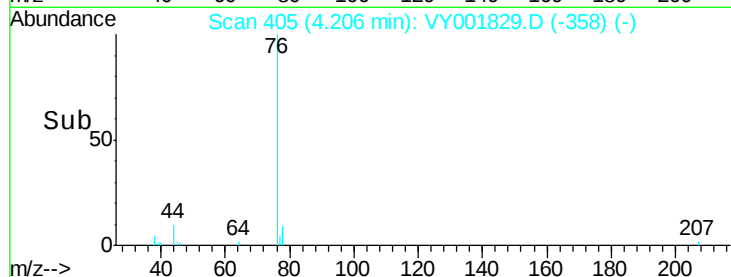
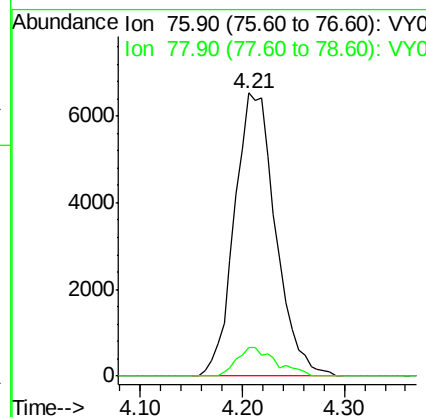
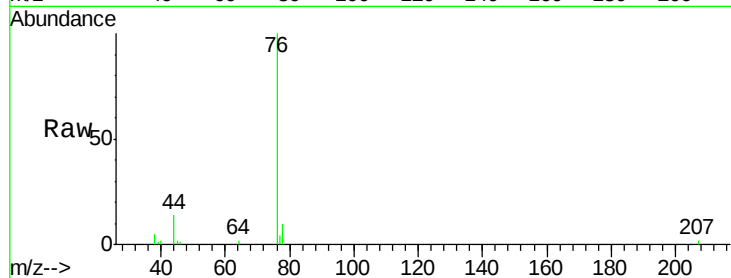
#17
Carbon Disulfide
Concen: 2.960 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion: 76 Resp: 18264
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9

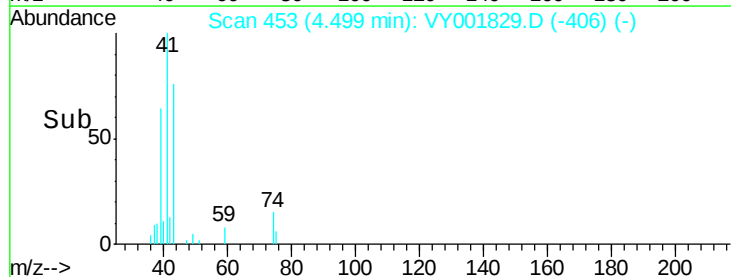
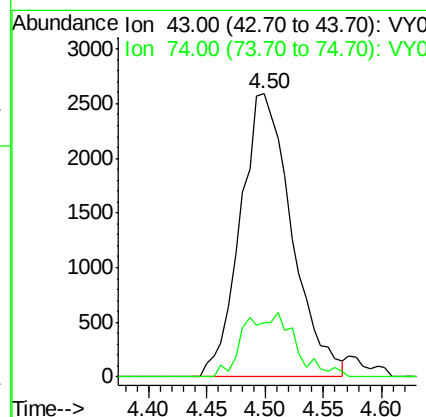
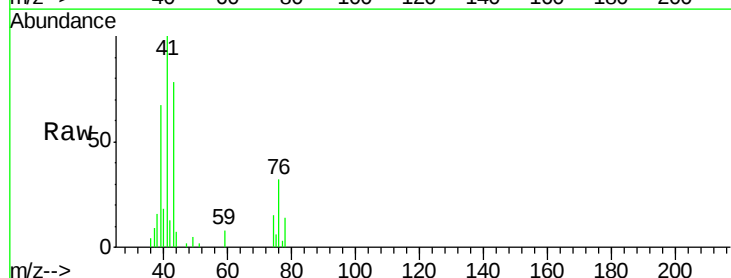
Manual Integrations
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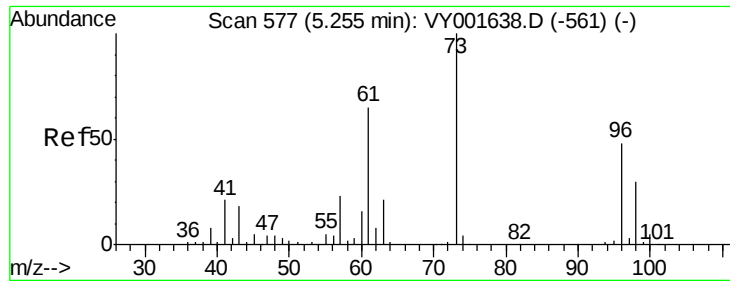
MMDadoda
3/4/2020 2:02:03 PM



#18
Methyl Acetate
Concen: 5.774 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 43 Resp: 7973
Ion Ratio Lower Upper
43 100
74 8.4 19.1 28.7#





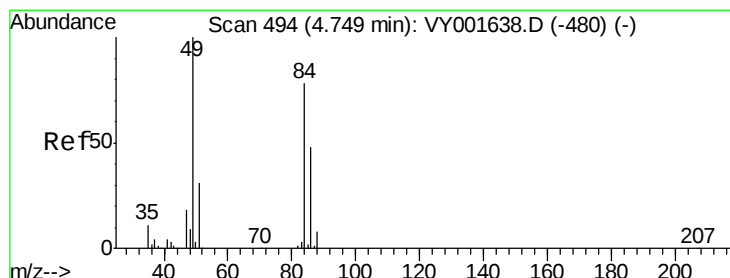
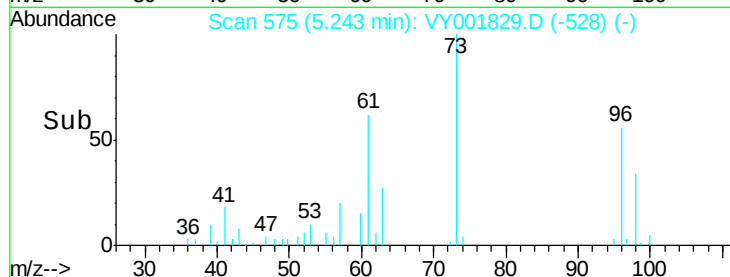
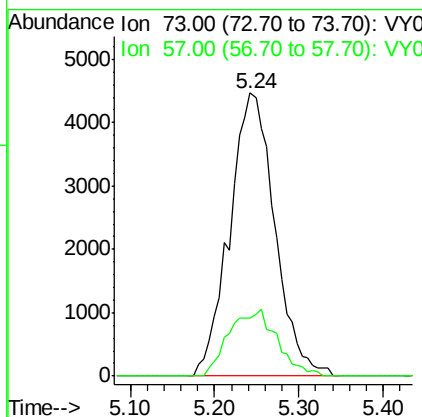
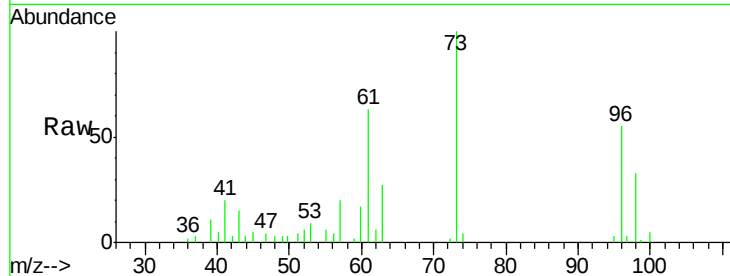
#19
Methvl tert-butvl Ether
Concen: 3.165 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion: 73 Resp: 16287
Ion Ratio Lower Upper
73 100
57 20.5 19.0 28.6

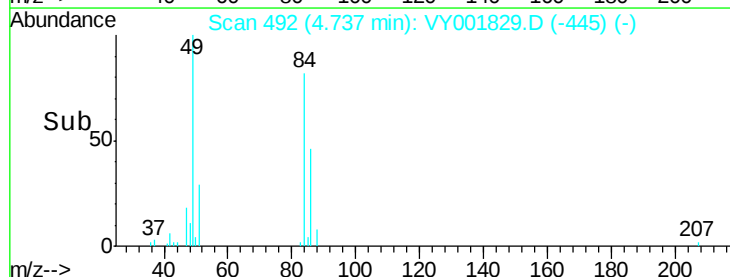
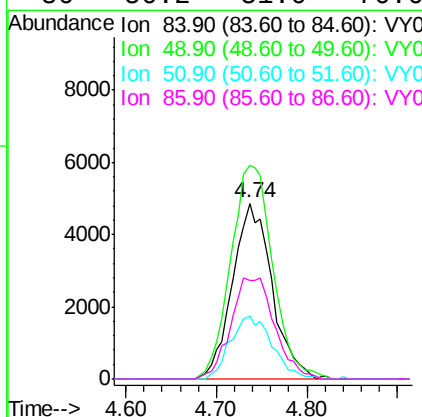
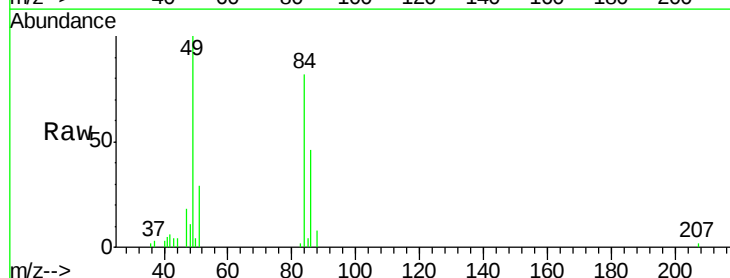
Manual Integrations
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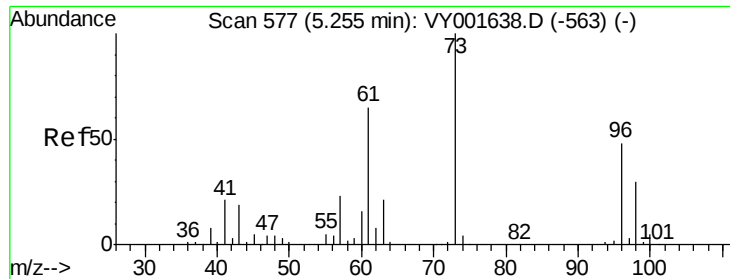
MMDadoda
3/4/2020 2:02:03 PM



#20
Methylene Chloride
Concen: 6.516 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 84 Resp: 14676
Ion Ratio Lower Upper
84 100
49 121.8 99.2 148.8
51 35.7 31.5 47.3
86 56.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 3.248 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

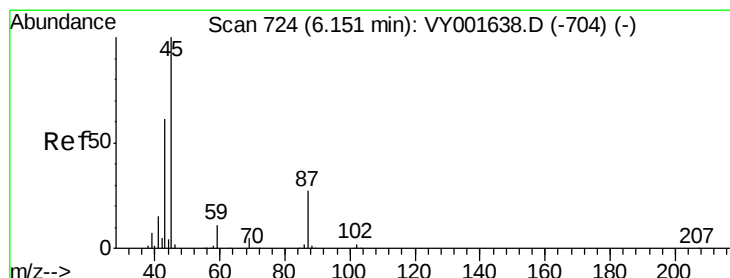
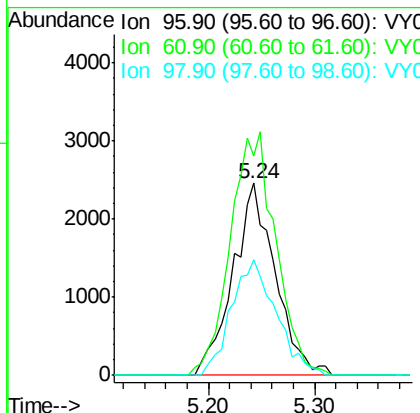
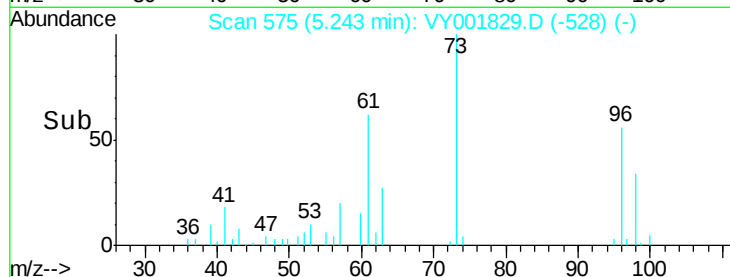
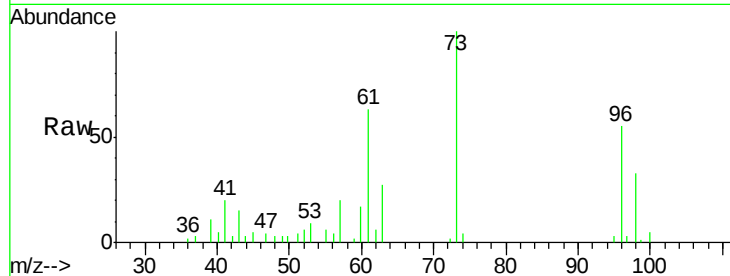
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	96	Resp:	6850
Ion	Ratio	Lower	Upper
96	100		
61	114.3	107.9	161.9
98	60.5	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 3.200 ug/l

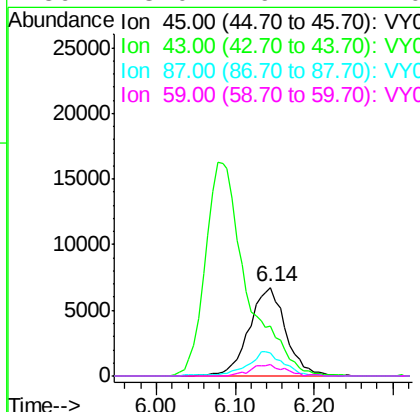
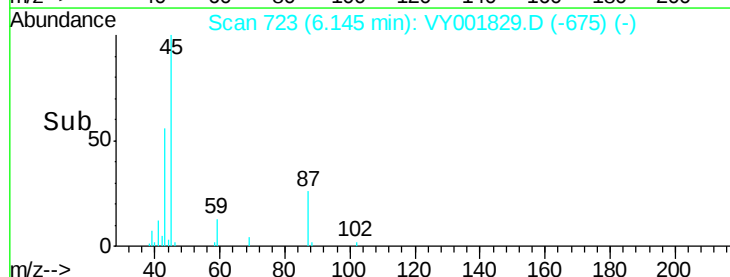
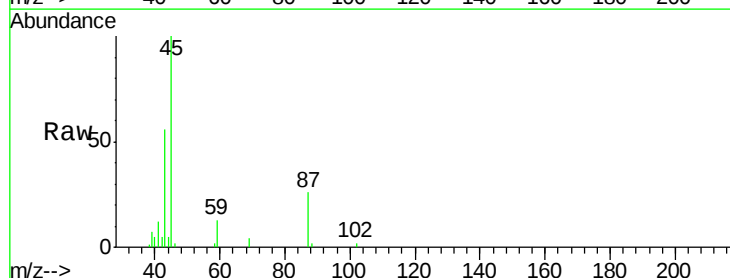
RT: 6.14 min Scan# 723

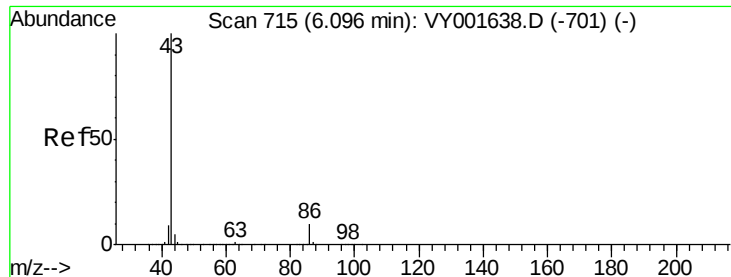
Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Tgt Ion:	45	Resp:	21620
Ion	Ratio	Lower	Upper
45	100		
43	54.4	46.4	69.6
87	25.6	22.1	33.1
59	13.0	9.4	14.0





#23

Vinyl Acetate

Concen: 13.434 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.02 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 59202

Ion Ratio Lower Upper

43 100

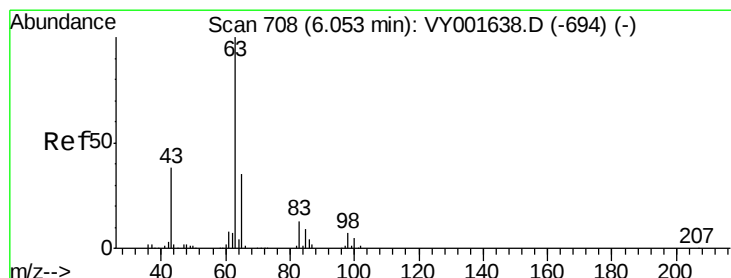
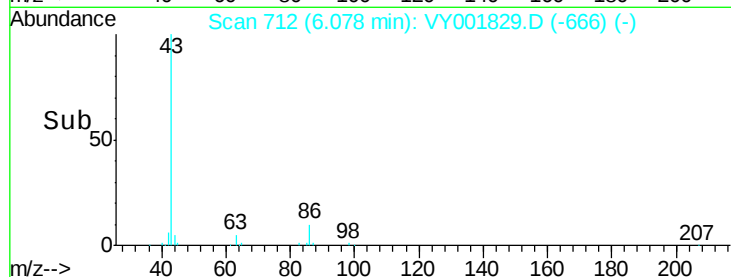
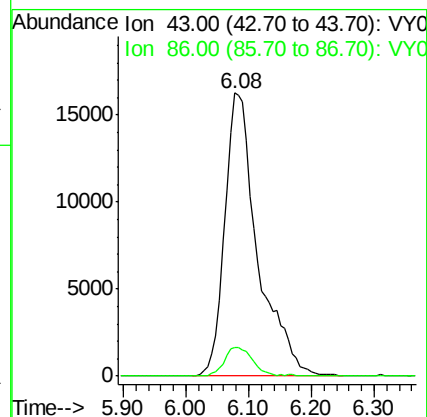
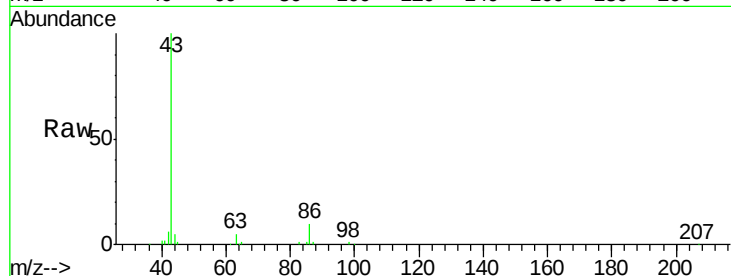
86 10.0 8.8 13.2

Manual Integrations

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3/4/2020 2:02:03 PM



#24

1,1-Dichloroethane

Concen: 3.182 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

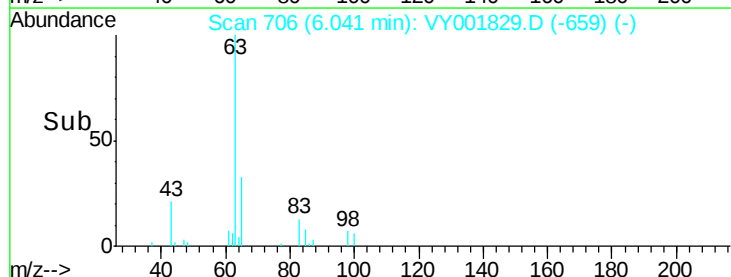
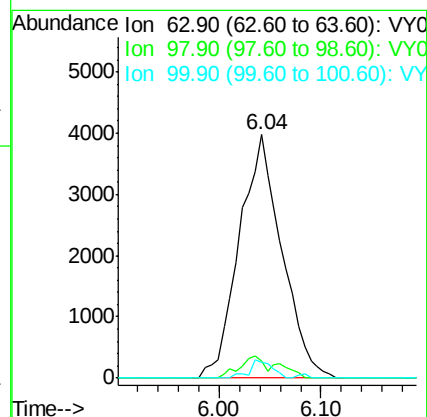
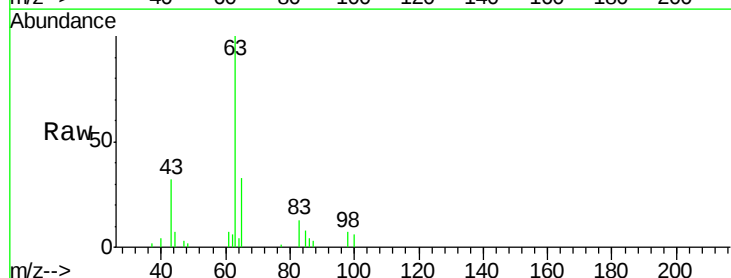
Tgt Ion: 63 Resp: 11488

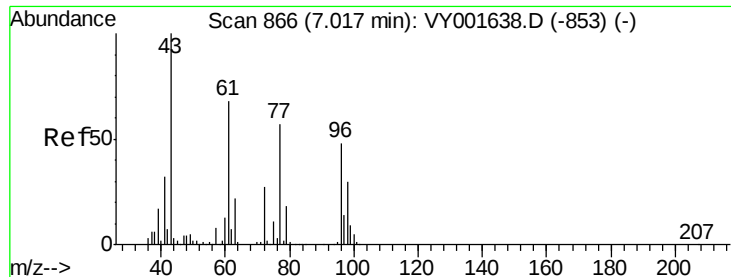
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 6.4 2.3 6.9





#25

2-Butanone

Concen: 16.840 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 14505

Ion Ratio Lower Upper

43 100

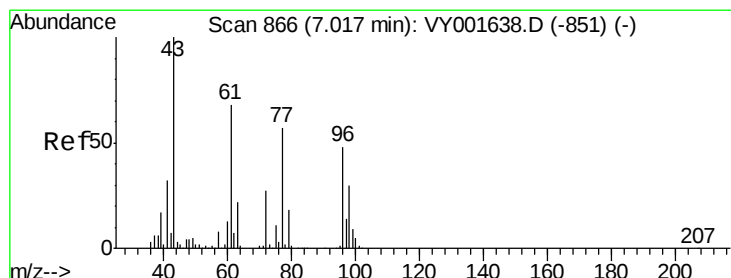
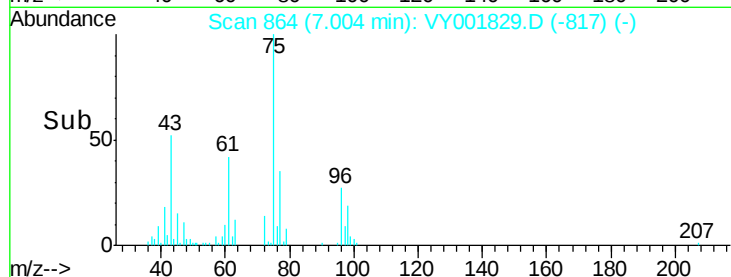
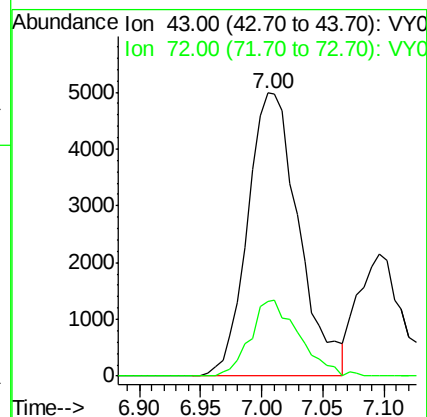
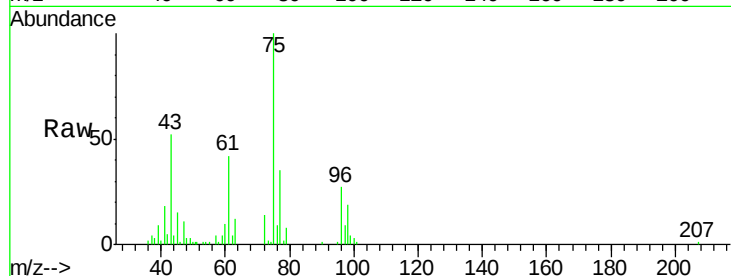
72 26.3 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 3.389 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001829.D

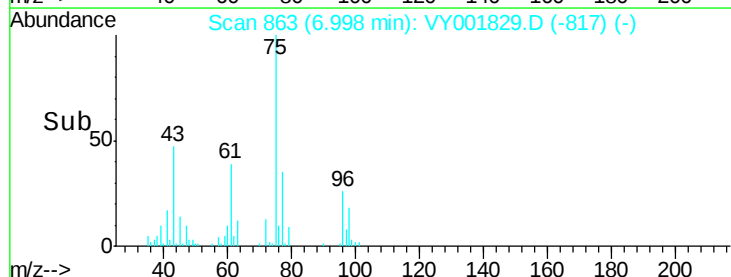
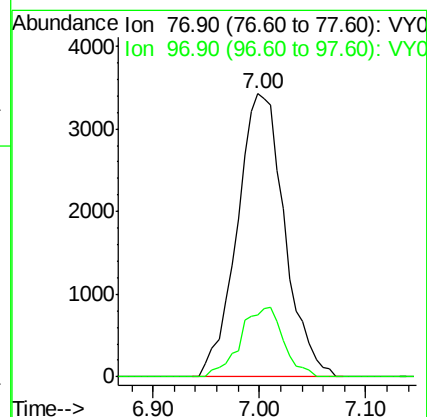
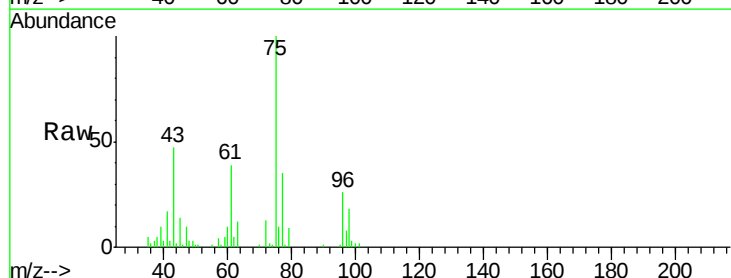
Acq: 03 Mar 2020 13:09

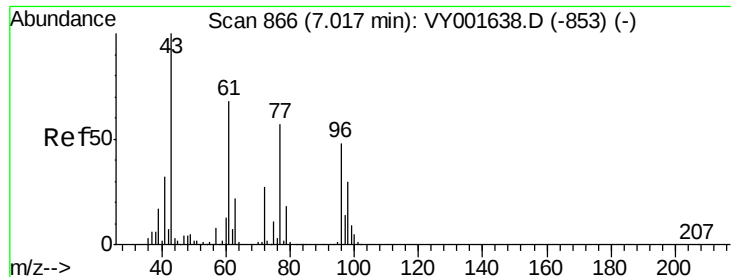
Tgt Ion: 77 Resp: 10646

Ion Ratio Lower Upper

77 100

97 22.3 11.8 35.4





#27

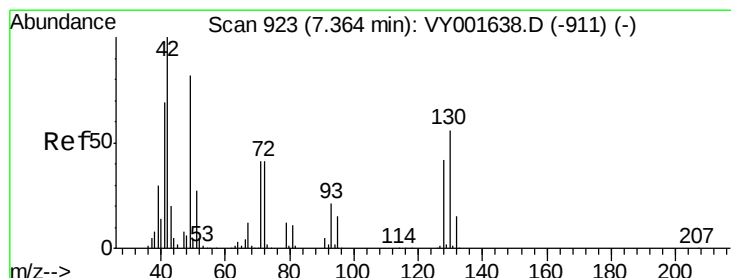
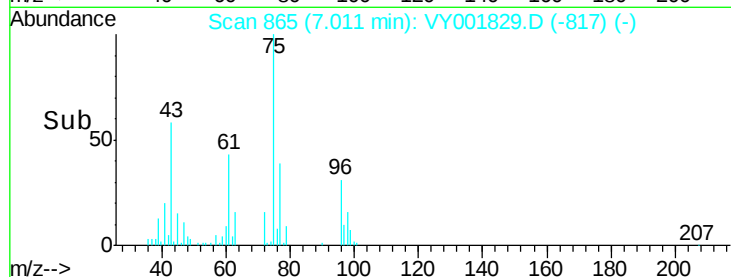
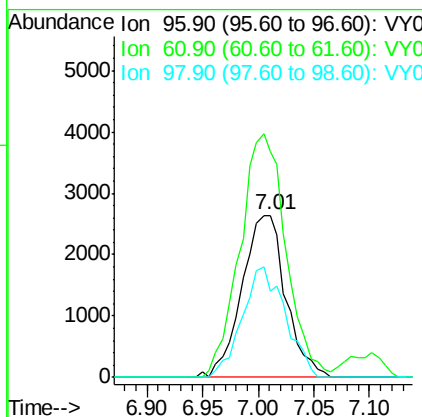
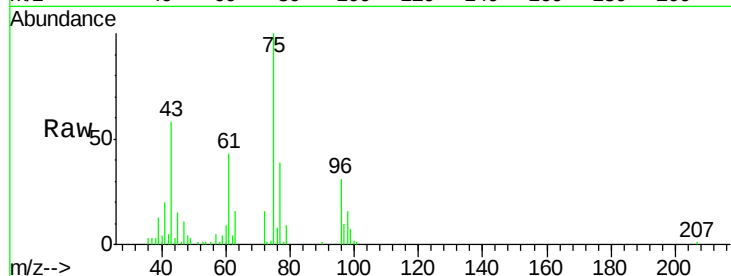
cis-1,2-Dichloroethene
Concen: 3.108 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.8	0.0	290.8
98	66.8	0.0	128.6

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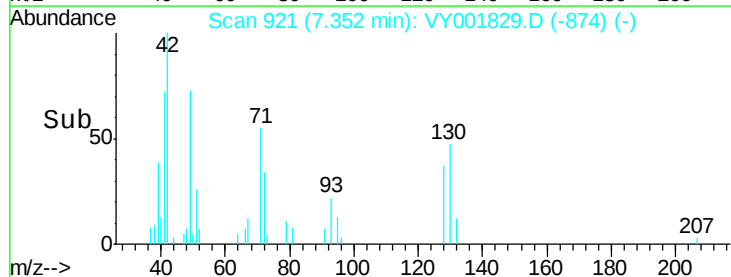
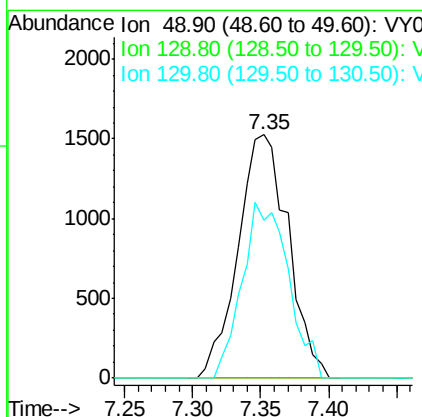
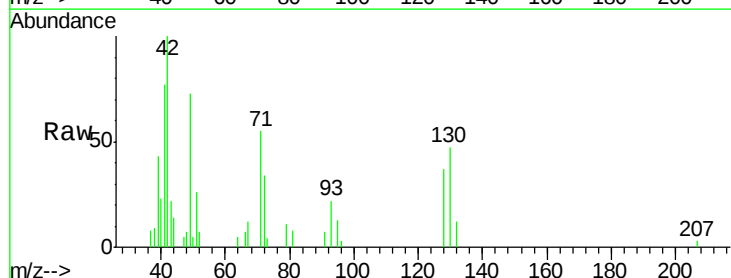
MMDadoda
3/4/2020 2:02:03 PM

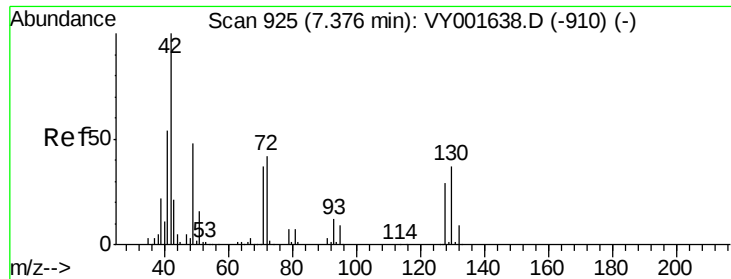


#28

Bromochloromethane
Concen: 2.615 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	66.5	56.2	84.4





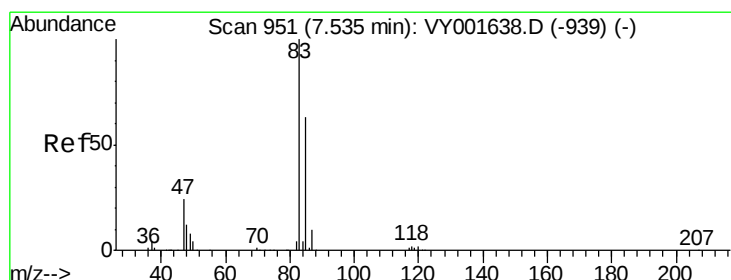
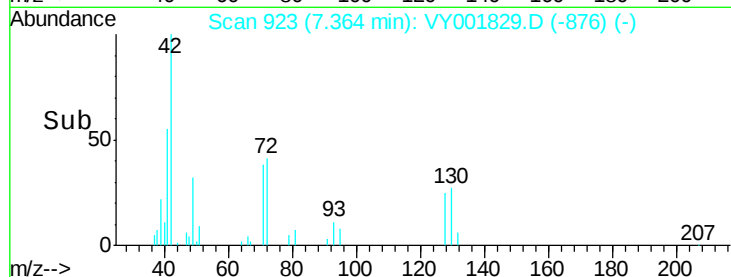
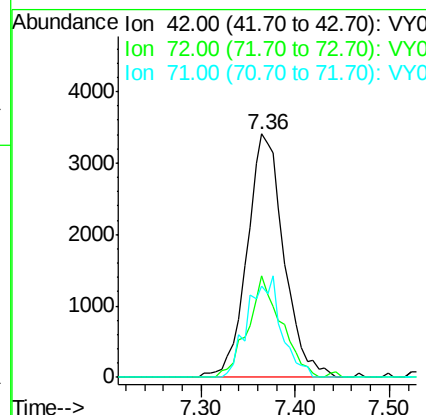
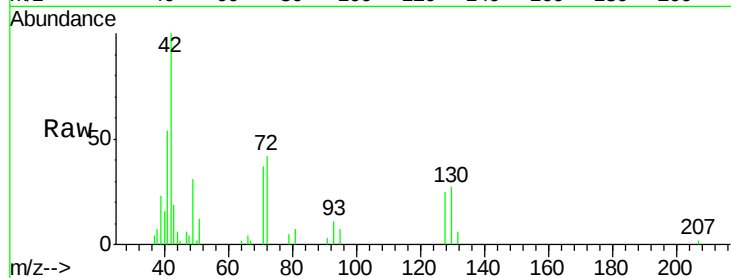
#29
Tetrahydrofuran
Concen: 17.894 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	34.4	51.6
71	37.9	31.8	47.8

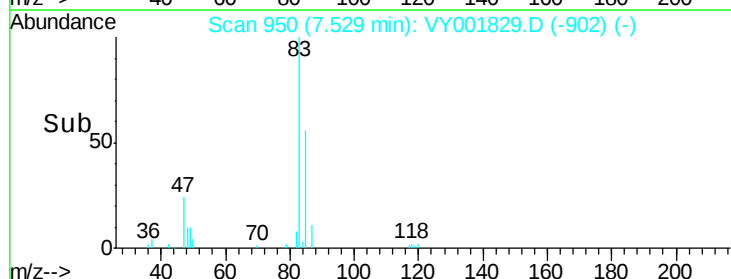
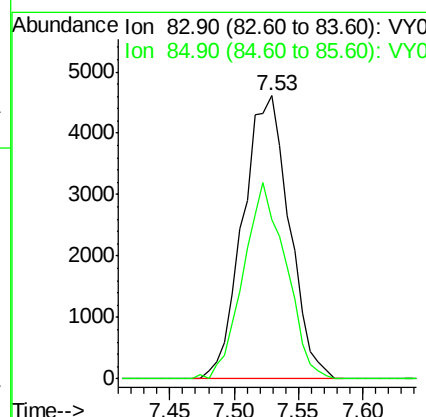
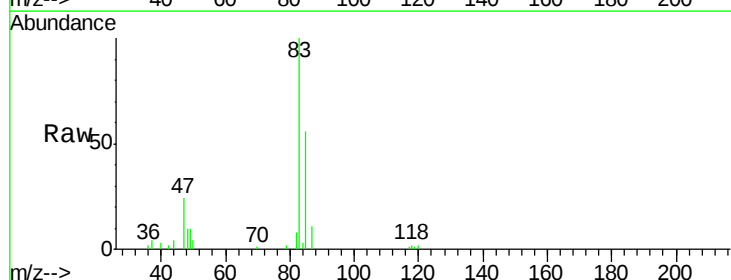
Manual Integrations
APPROVED

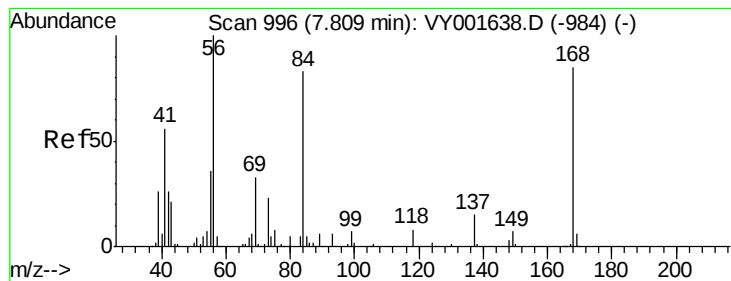
MMDadoda
3/4/2020 2:02:03 PM



#30
Chloroform
Concen: 3.262 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.1	51.6	77.4





#31

Cyclohexane

Concen: 4.042 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

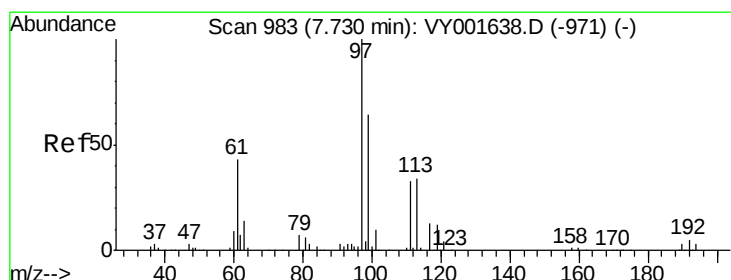
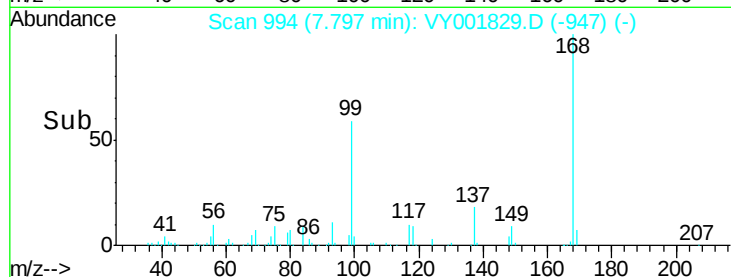
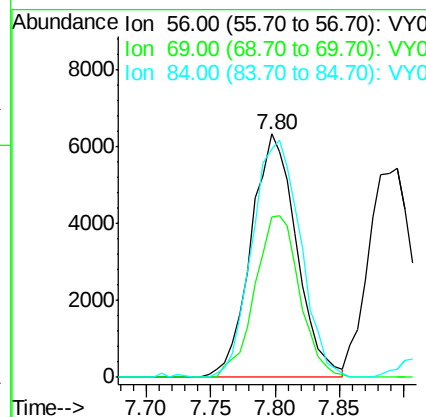
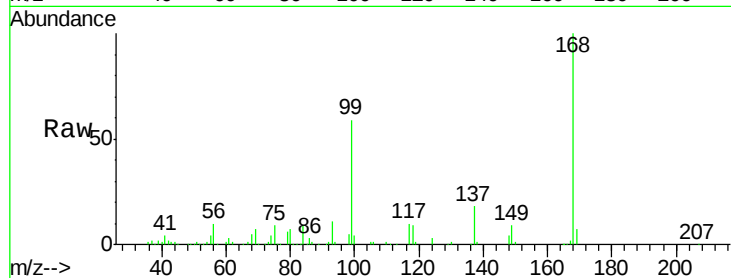
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	56	Resp:	15560
Ion	Ratio	Lower	Upper
56	100		
69	65.9	25.1	37.7#
84	93.6	66.9	100.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 3.091 ug/l

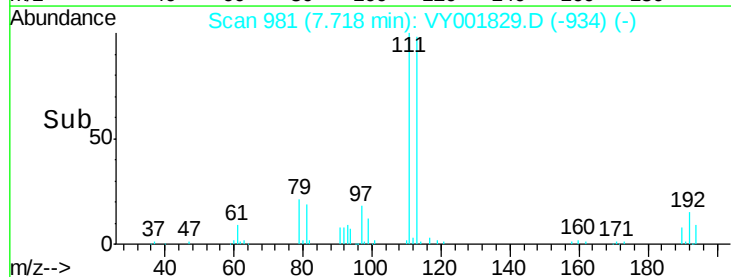
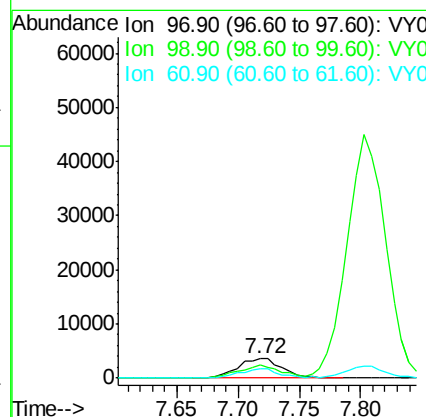
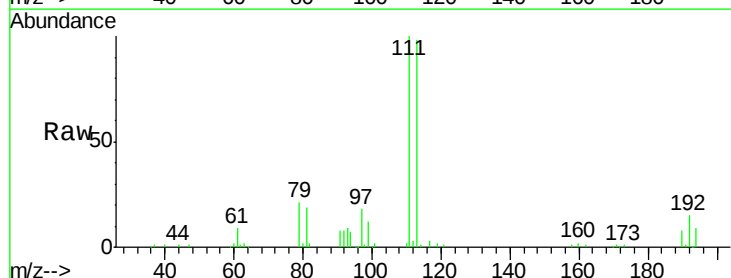
RT: 7.72 min Scan# 981

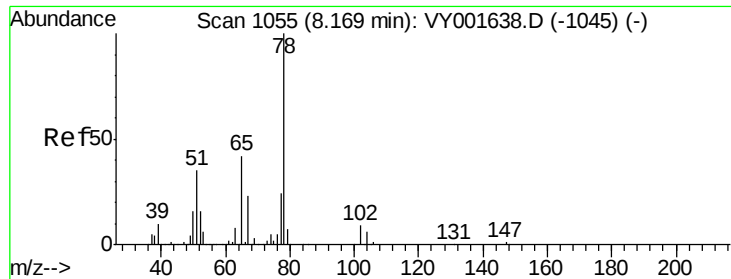
Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Tgt Ion:	97	Resp:	9167
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	42.6	35.0	52.6





#33

1,2-Dichloroethane-d4

Concen: 49.455 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 65 Resp: 90626

Ion Ratio Lower Upper

65 100

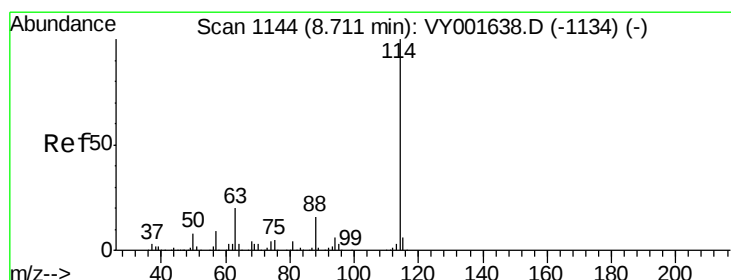
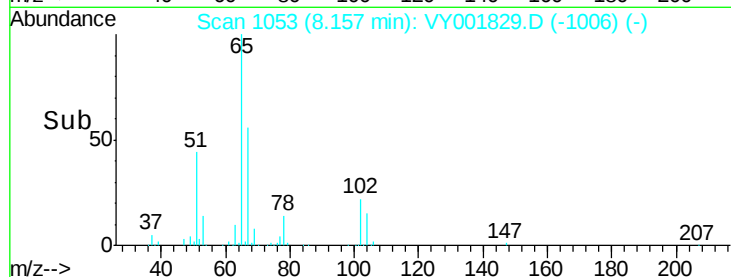
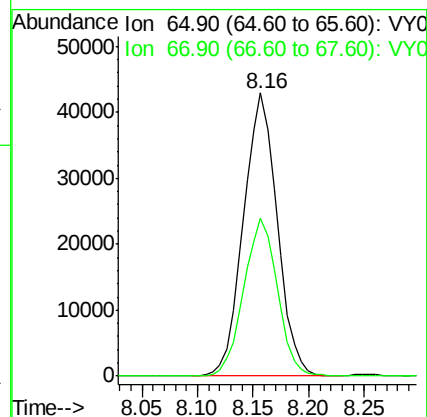
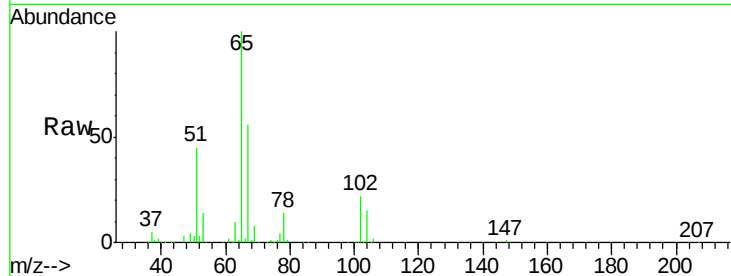
67 55.3 0.0 111.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

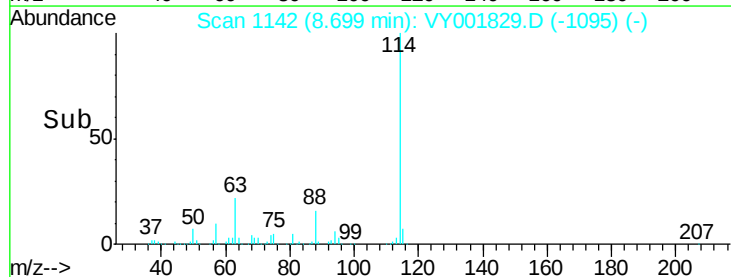
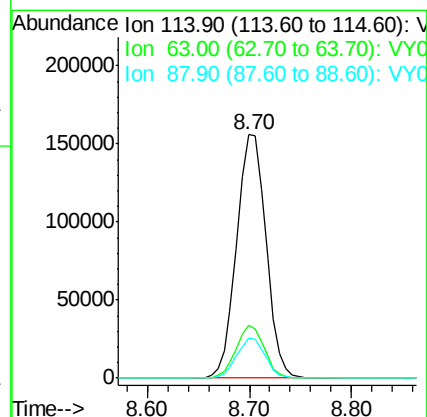
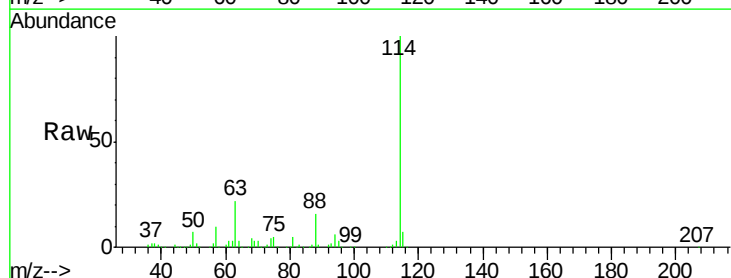
Tgt Ion: 114 Resp: 311186

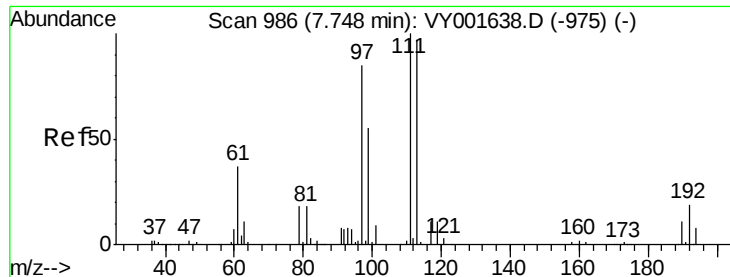
Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.4

88 16.5 0.0 32.8





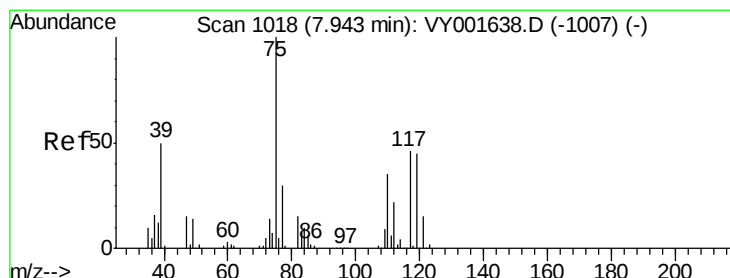
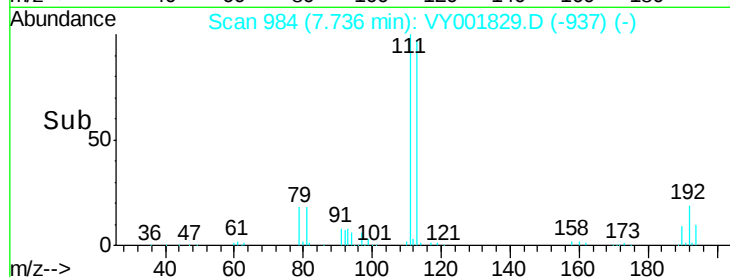
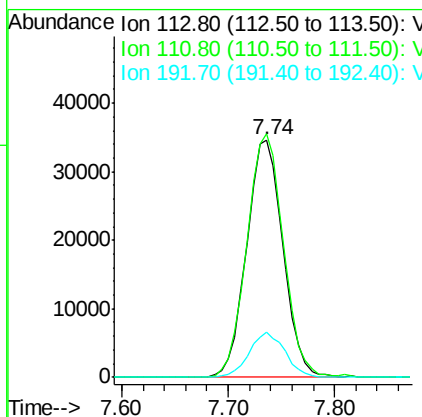
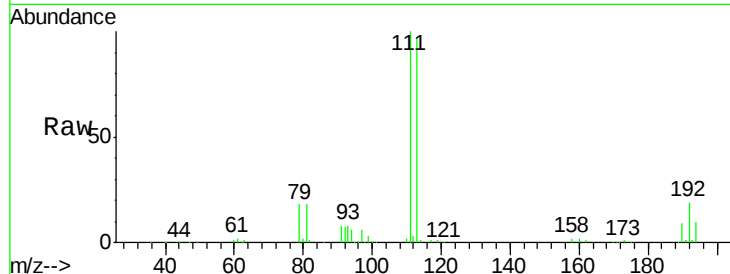
#35
 Dibromofluoromethane
 Concen: 46.707 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	18.6	14.3	21.5

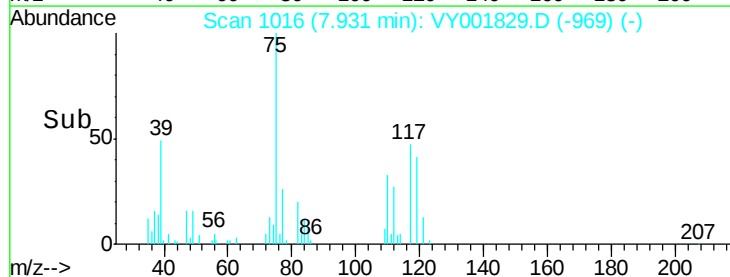
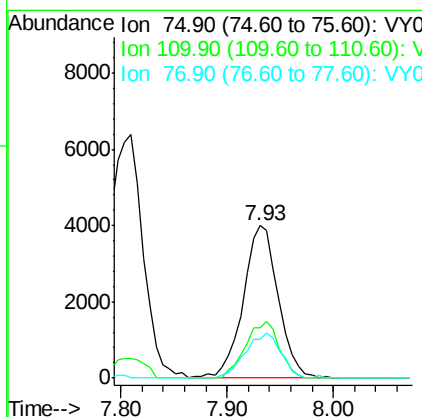
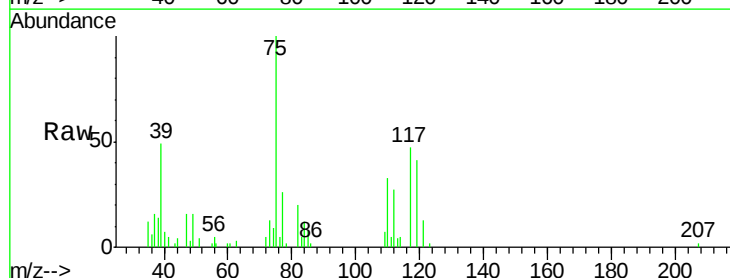
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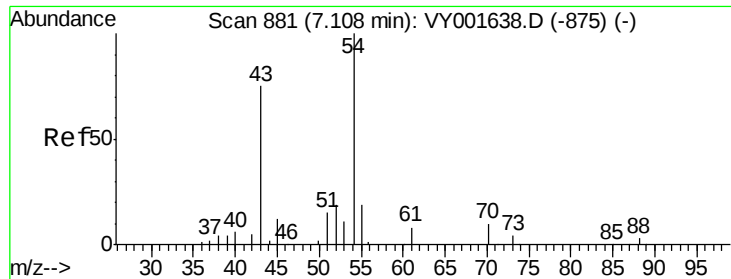
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#36
 1,1-Dichloropropene
 Concen: 3.109 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.2	51.6
77	29.8	24.8	37.2





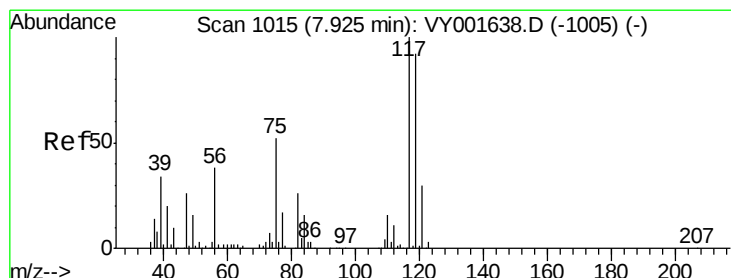
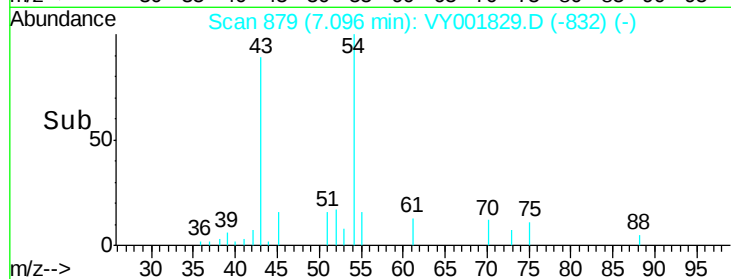
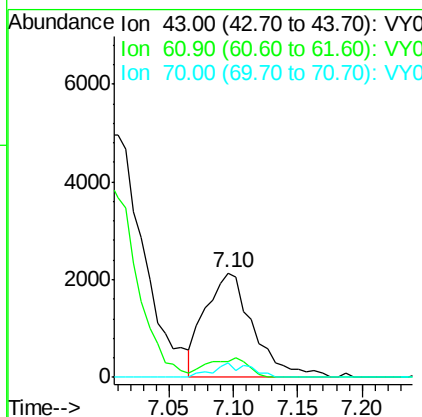
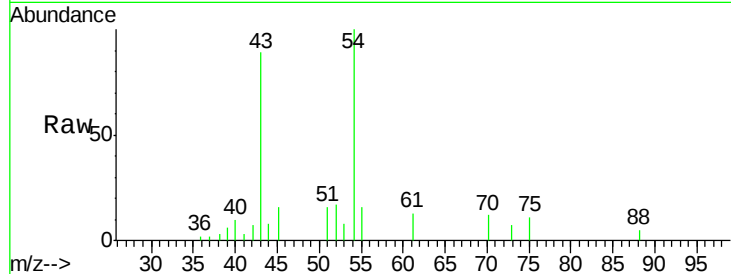
#37
Ethyl Acetate
Concen: 3.129 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.0	16.6
70	10.5	8.8	13.2

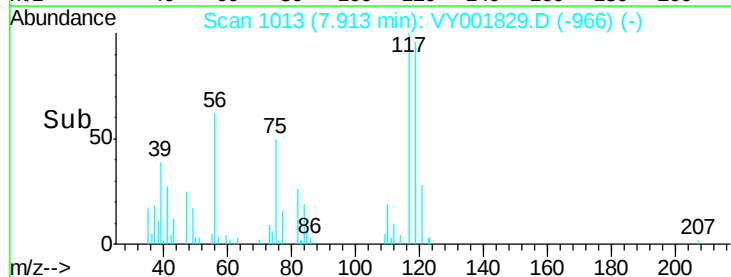
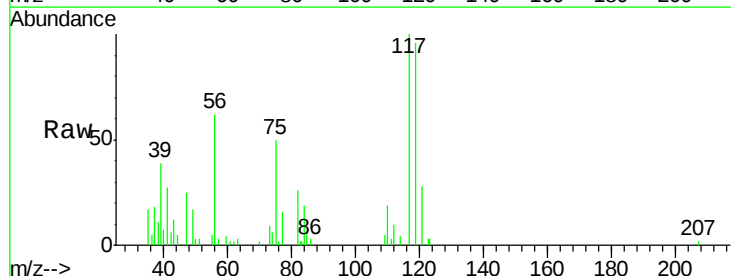
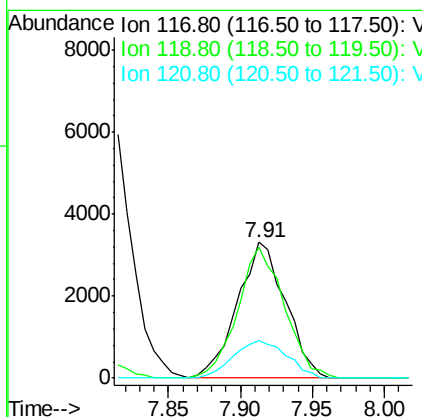
Manual Integrations
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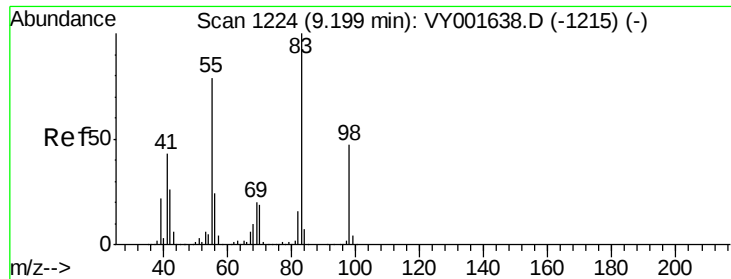
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#38
Carbon Tetrachloride
Concen: 2.943 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.8	112.2
121	28.0	23.8	35.6





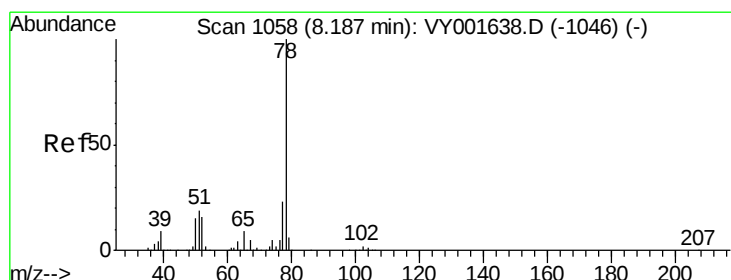
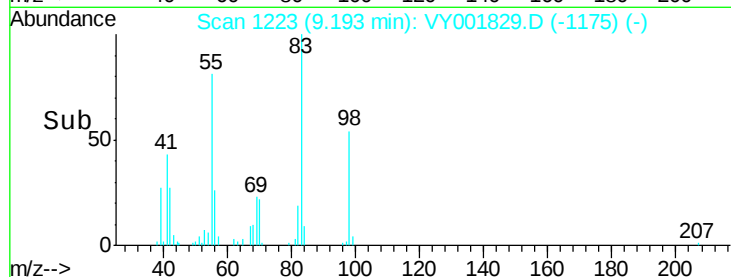
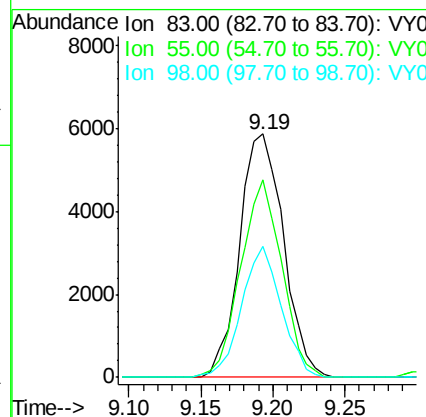
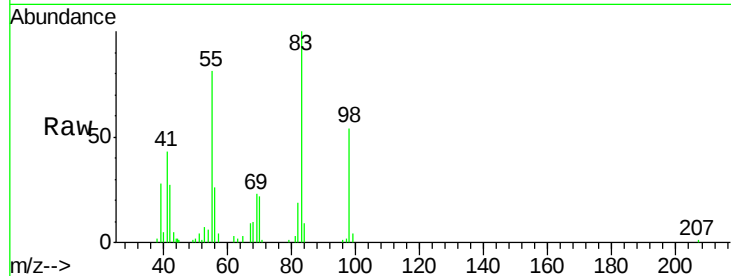
#39
Methvlcvclohexane
Concen: 3.150 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	61.3	91.9
98	53.7	38.0	57.0

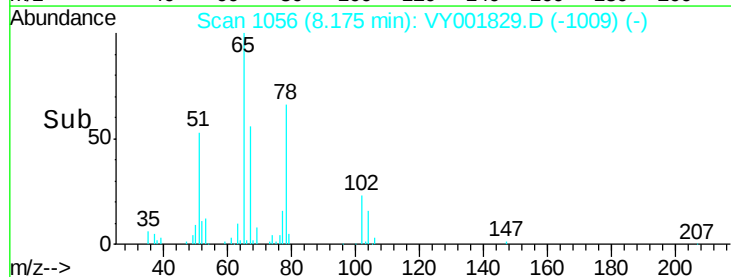
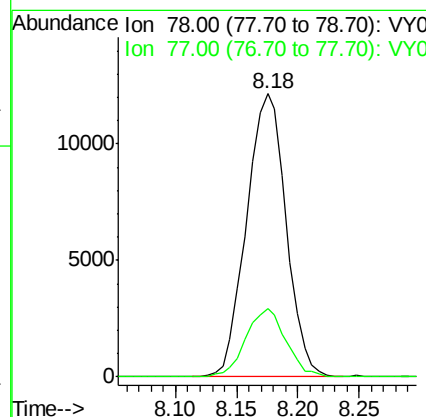
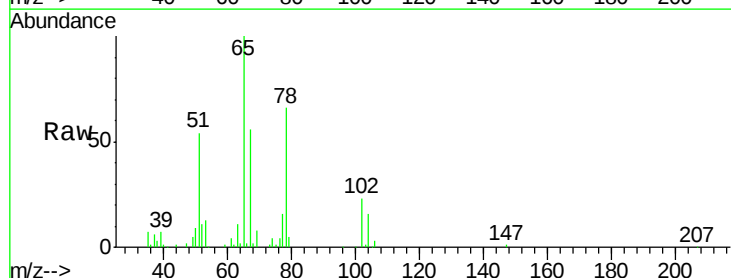
Manual Integrations
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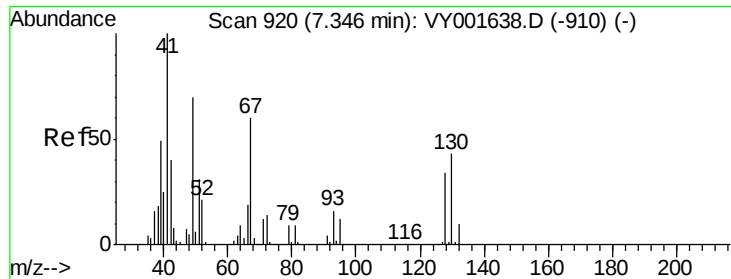
MMDadoda
3/4/2020 2:02:03 PM



#40
Benzene
Concen: 3.133 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.2	27.4





#41

Methacrylonitrile

Concen: 3.323 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 41 Resp: 2960

Ion Ratio Lower Upper

41 100

39 0.0 36.0 54.0#

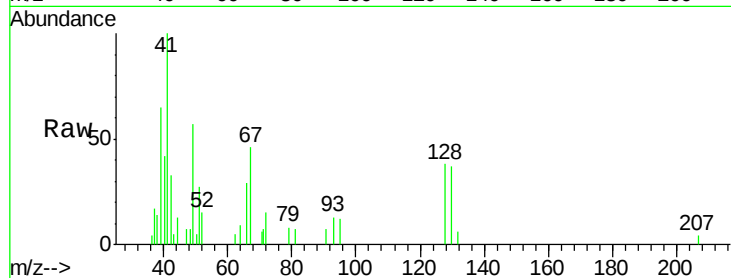
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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3/4/2020 2:02:03 PM

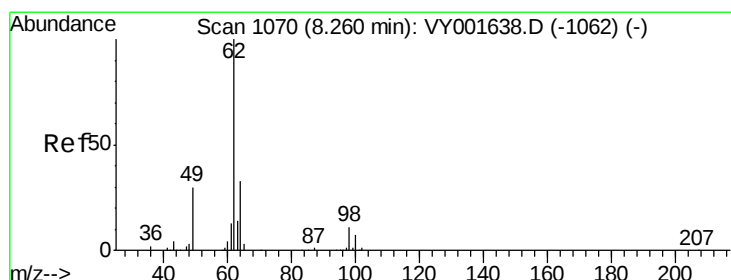
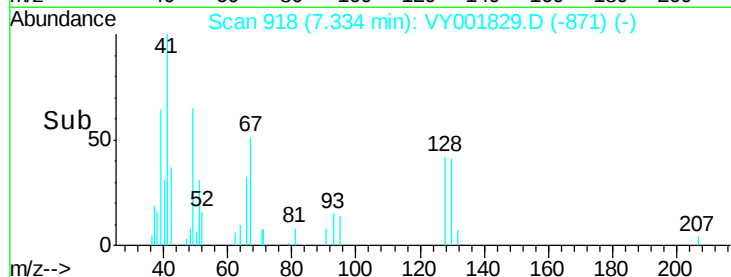
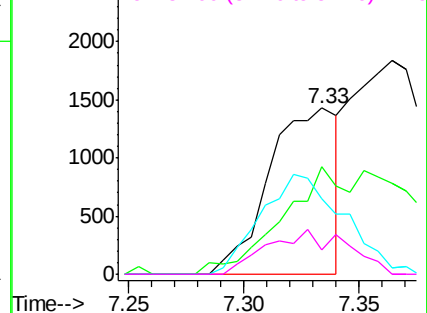


Abundance Ion 41.00 (40.70 to 41.70): VY001638.D (-910) (-)

Ion 39.00 (38.70 to 39.70): VY001638.D (-910) (-)

Ion 67.00 (66.70 to 67.70): VY001638.D (-910) (-)

Ion 52.00 (51.70 to 52.70): VY001638.D (-910) (-)



#42

1,2-Dichloroethane

Concen: 3.270 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY001829.D

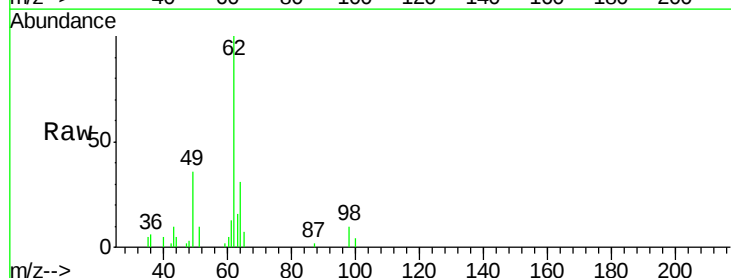
Acq: 03 Mar 2020 13:09

Tgt Ion: 62 Resp: 7789

Ion Ratio Lower Upper

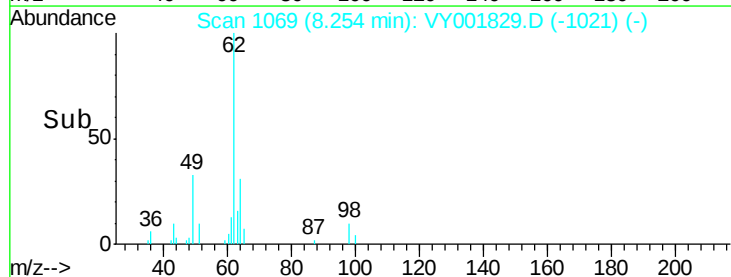
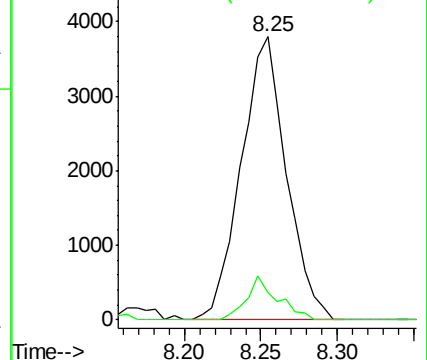
62 100

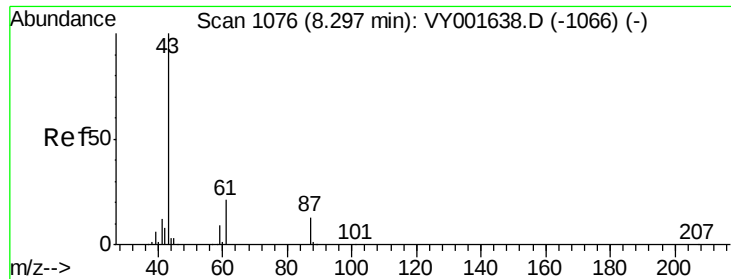
98 10.4 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VY001638.D (-1062) (-)

Ion 97.90 (97.60 to 98.60): VY001638.D (-1062) (-)





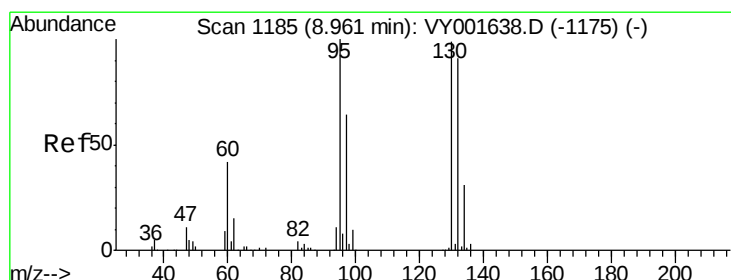
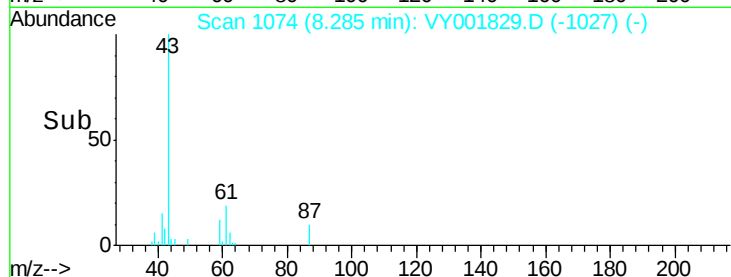
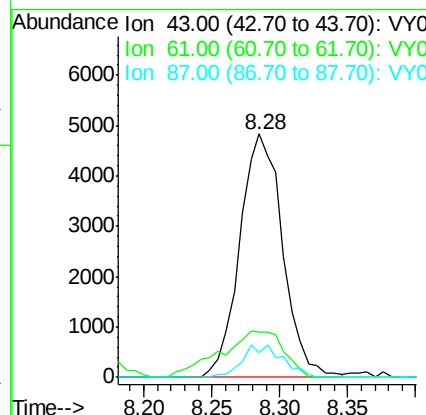
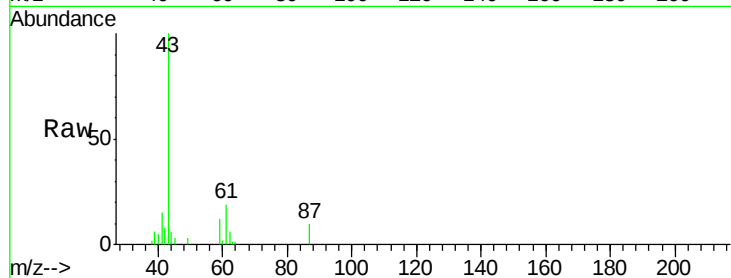
#43
Isopropyl Acetate
Concen: 3.162 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	23.0	34.4
87	12.5	10.7	16.1

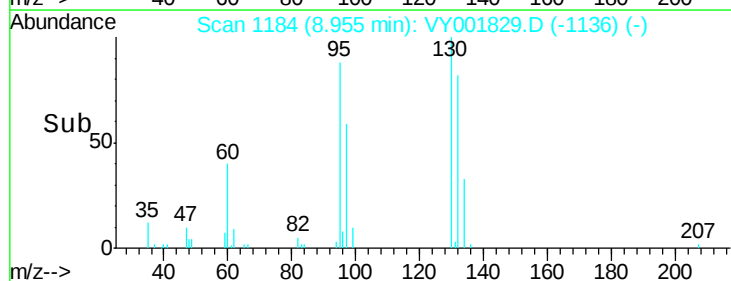
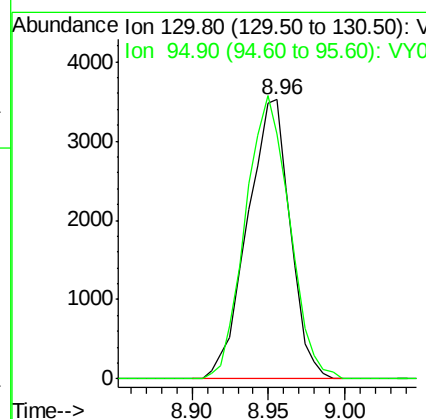
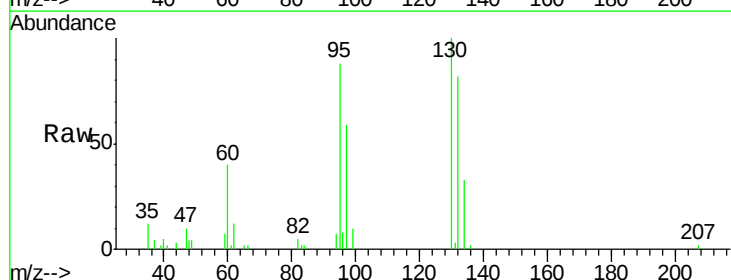
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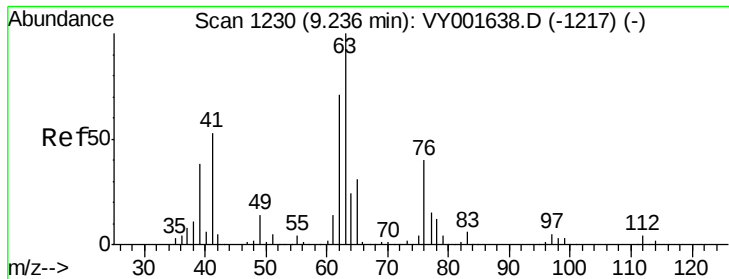
MMDadoda
3/4/2020 2:02:03 PM



#44
Trichloroethene
Concen: 3.143 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	200.6





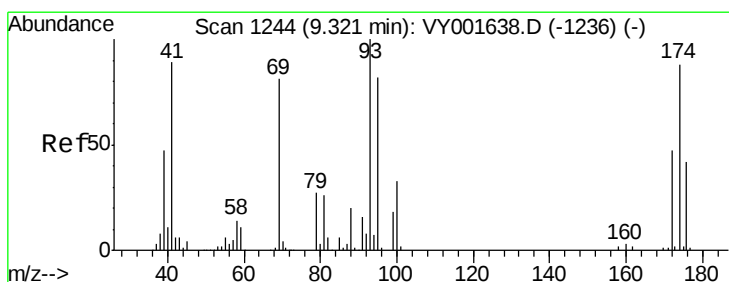
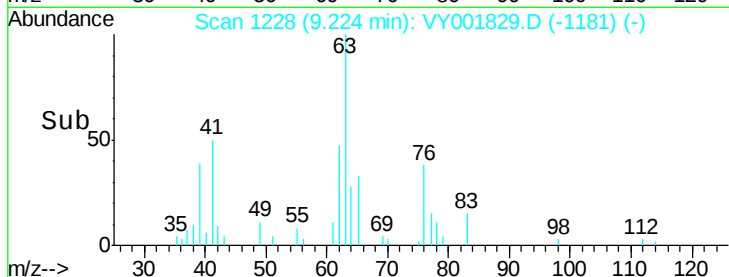
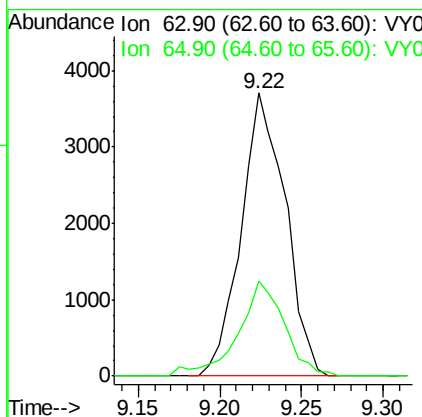
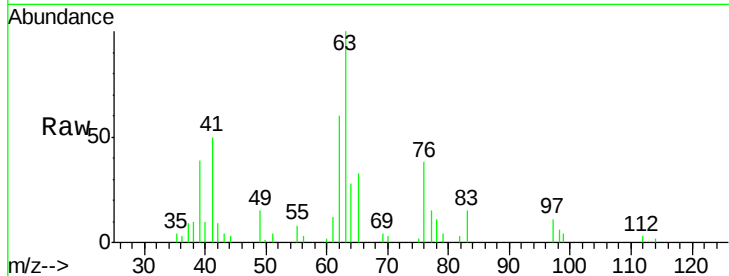
#45
 1,2-Dichloropropane
 Concen: 3.189 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

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

Tot Ion: 63 Resp: 6982
 Ion Ratio Lower Upper
 63 100
 65 33.5 24.6 37.0

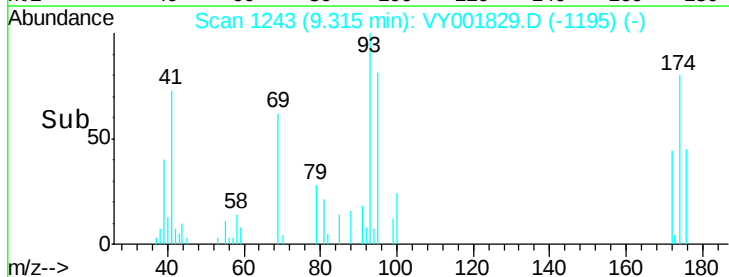
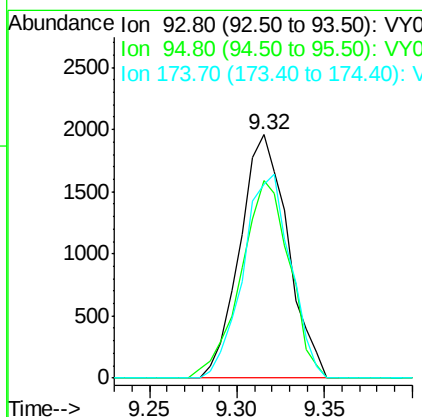
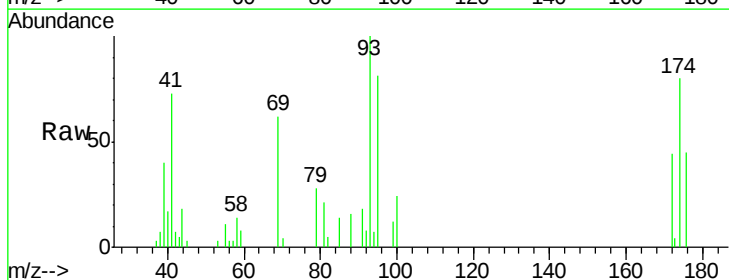
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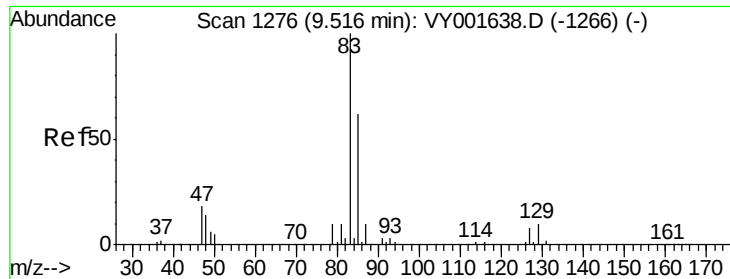
MMDadoda
 3/4/2020 2:02:03 PM



#46
 Dibromomethane
 Concen: 3.260 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion: 93 Resp: 3733
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.1 99.1
 174 82.7 72.5 108.7





#47

Bromodichloromethane

Concen: 3.022 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

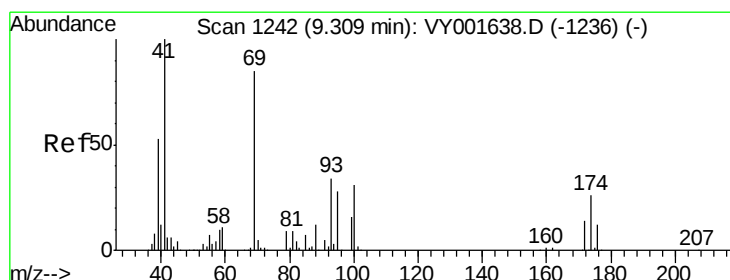
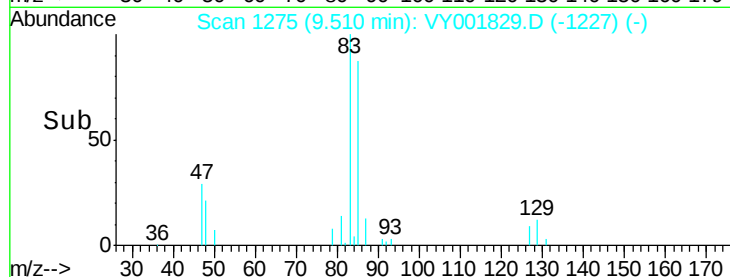
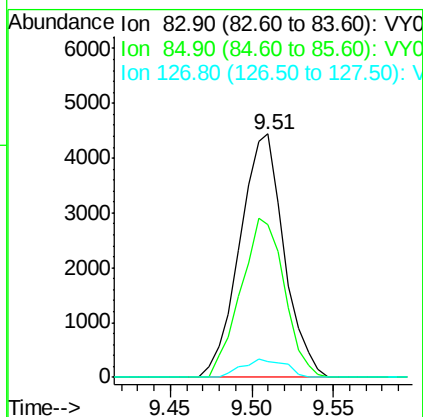
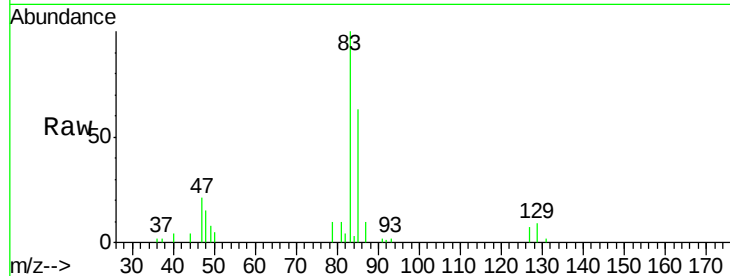
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	83	Resp:	8353
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.0
127	6.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 3.066 ug/l

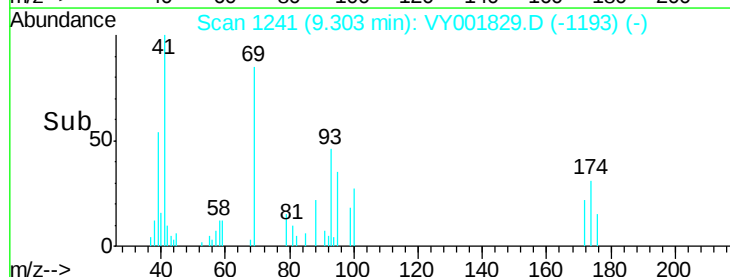
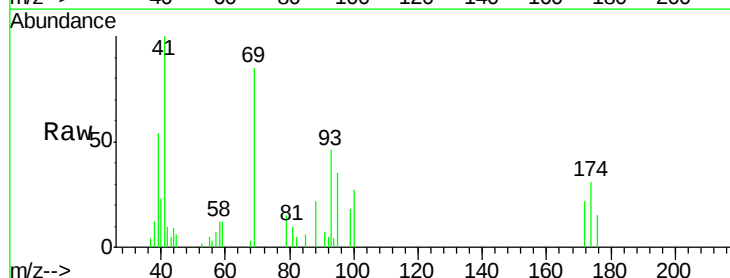
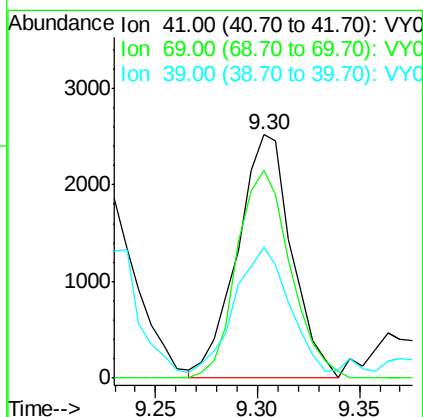
RT: 9.30 min Scan# 1241

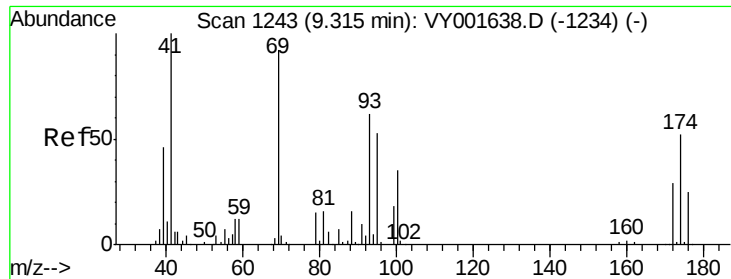
Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Tgt Ion:	41	Resp:	4667
Ion	Ratio	Lower	Upper
41	100		
69	84.0	70.7	106.1
39	52.1	42.2	63.2





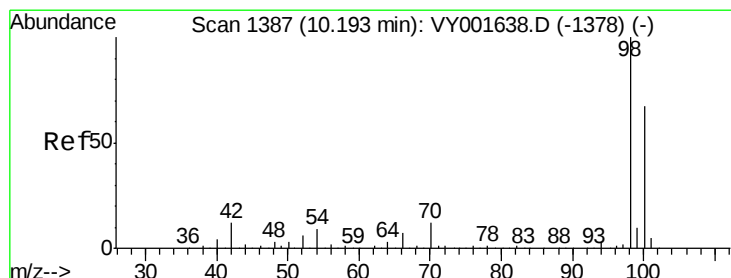
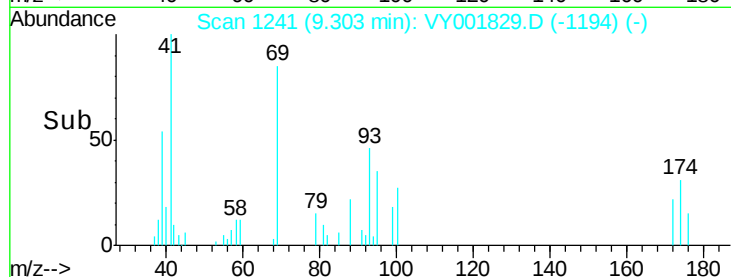
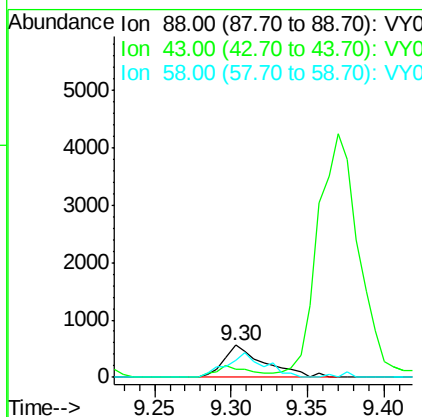
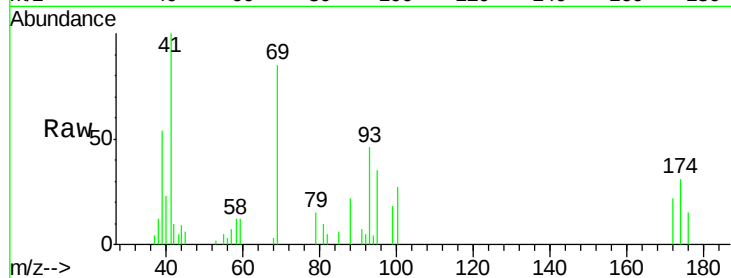
#49
1,4-Dioxane
Concen: 63.684 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	23.1	34.7
58	72.5	58.1	87.1

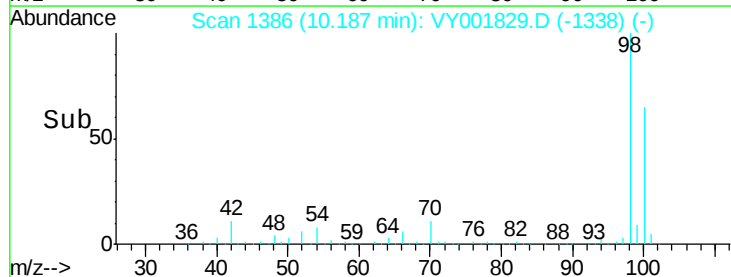
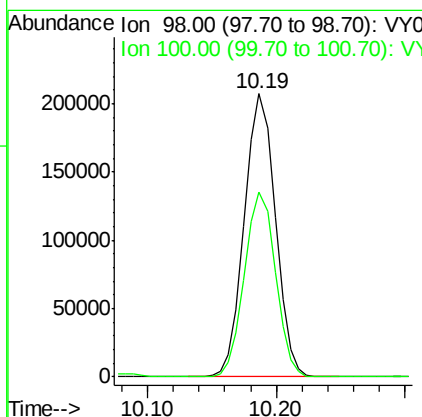
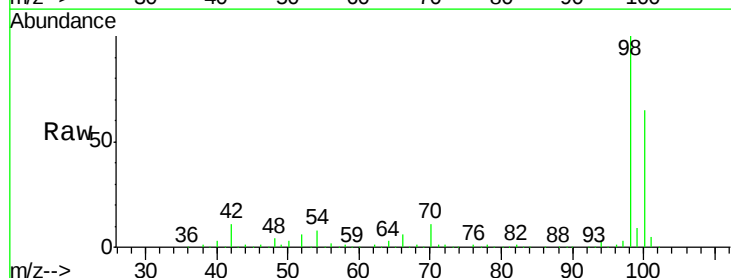
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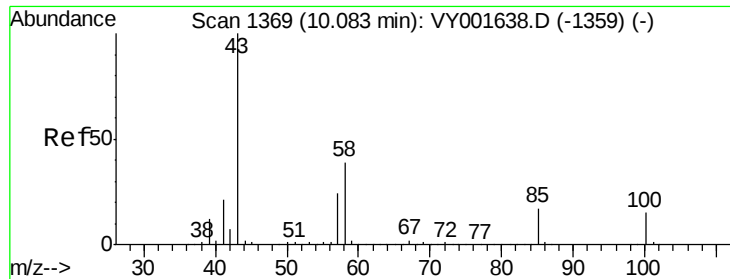
MMDadoda
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#50
Toluene-d8
Concen: 49.461 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 15.014 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 25966

Ion Ratio Lower Upper

43 100

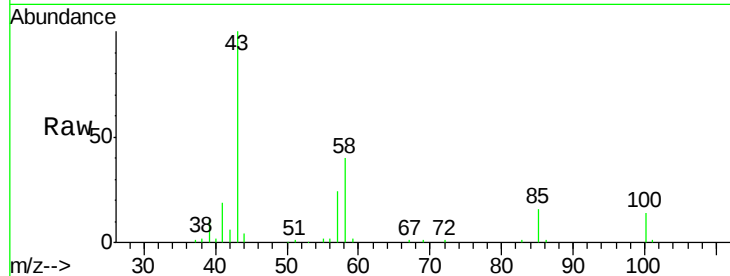
58 41.0 32.2 48.4

Manual Integrations

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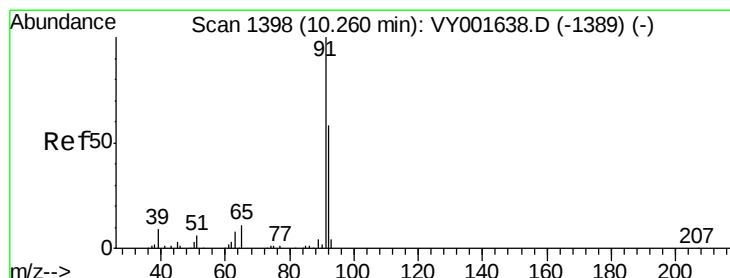
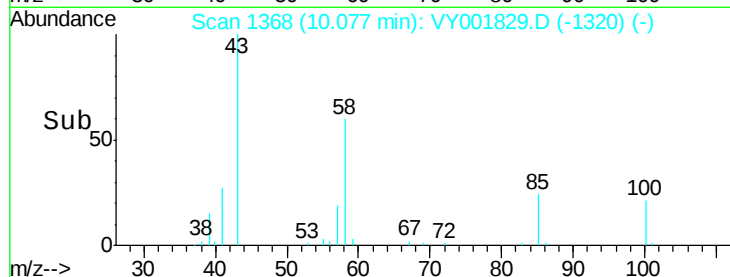
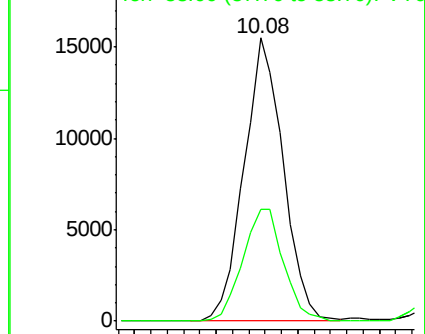
MMDadoda

3/4/2020 2:02:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 3.056 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001829.D

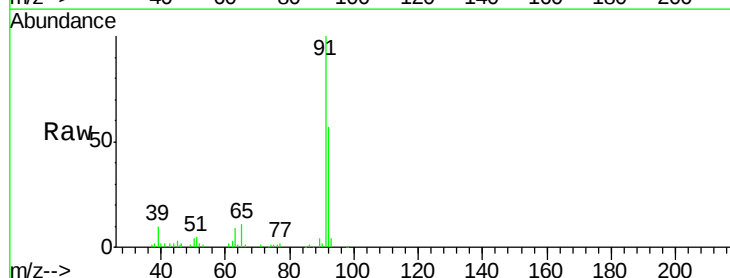
Acq: 03 Mar 2020 13:09

Tgt Ion: 92 Resp: 16666

Ion Ratio Lower Upper

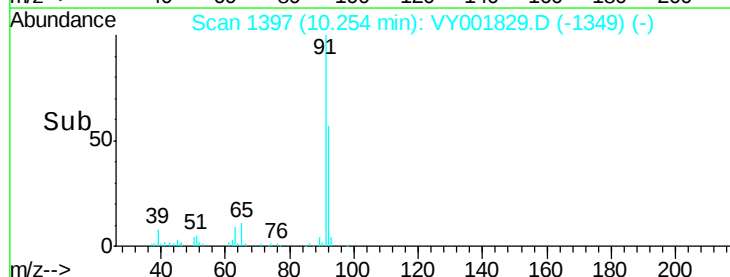
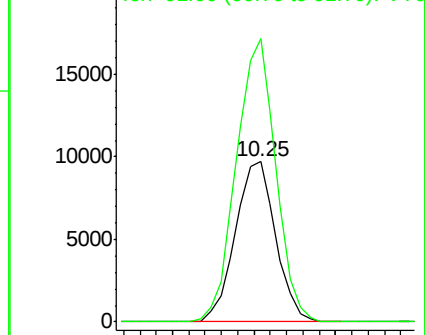
92 100

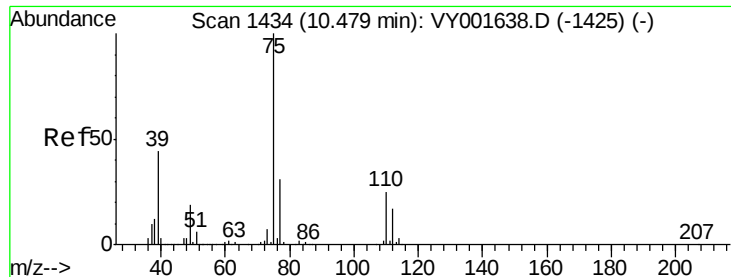
91 172.9 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 2.885 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 75 Resp: 8815

Ion Ratio Lower Upper

75 100

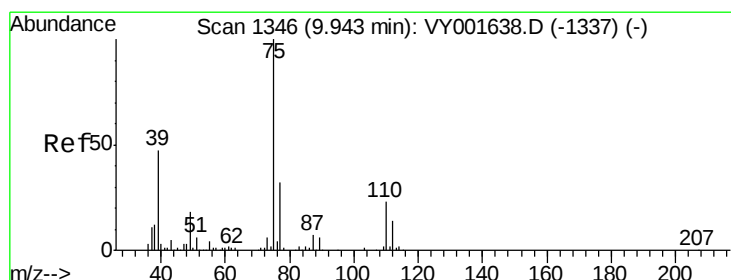
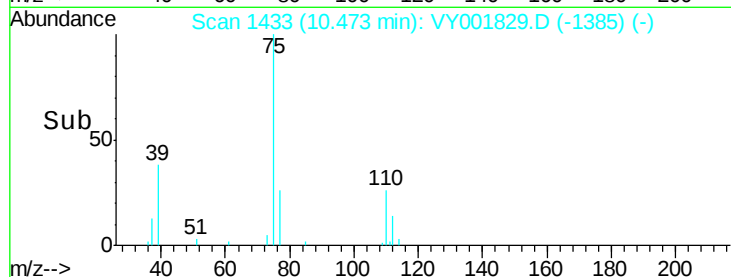
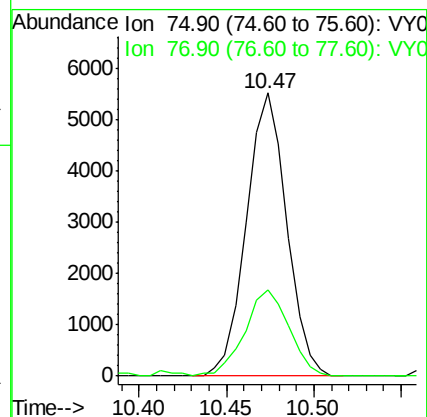
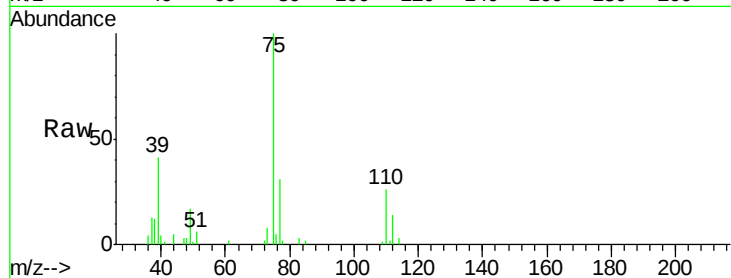
77 30.6 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 3.025 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

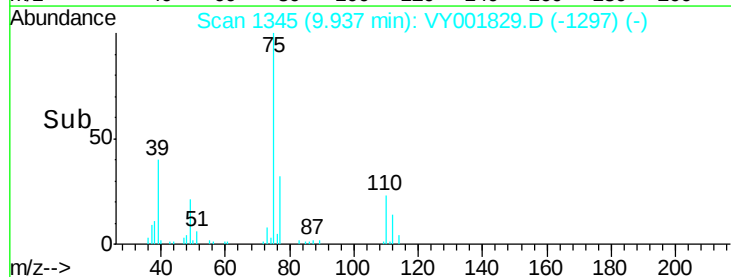
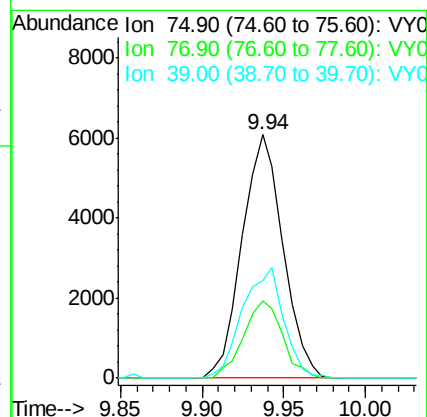
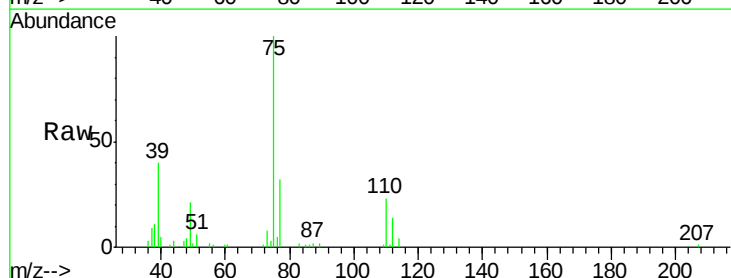
Tgt Ion: 75 Resp: 10637

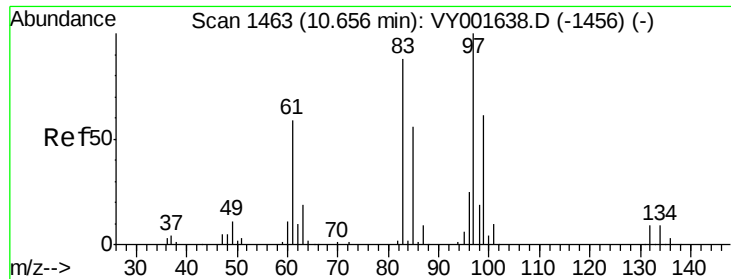
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 40.3 35.7 53.5





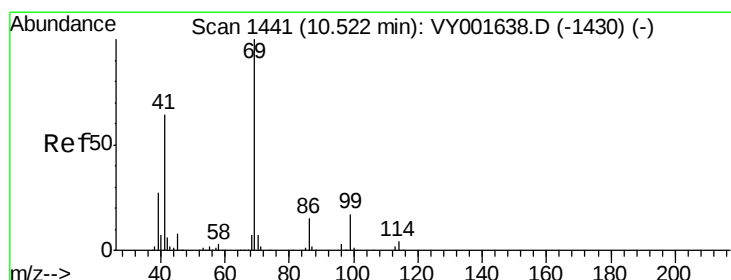
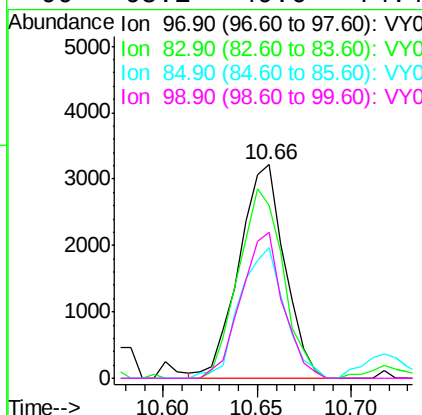
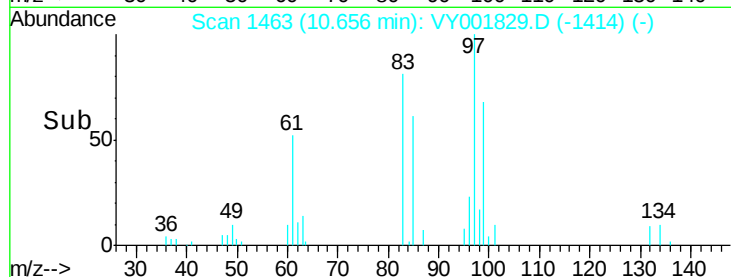
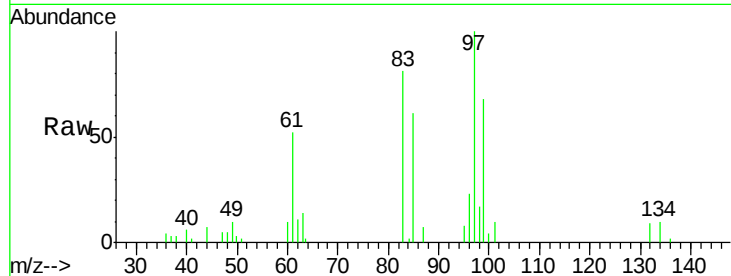
#55
 1,1,2-Trichloroethane
 Concen: 3.197 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

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

Tot Ion:	97	Resp:	5398
Ion	Ratio	Lower	Upper
97	100		
83	81.1	69.7	104.5
85	60.9	44.5	66.7
99	68.1	49.6	74.4

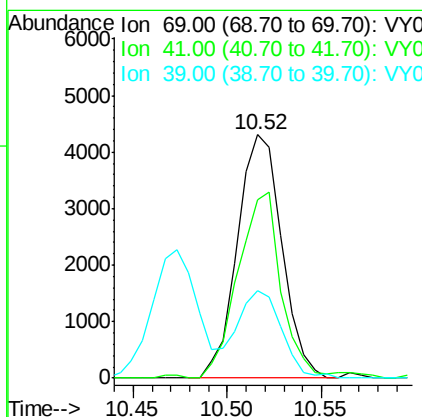
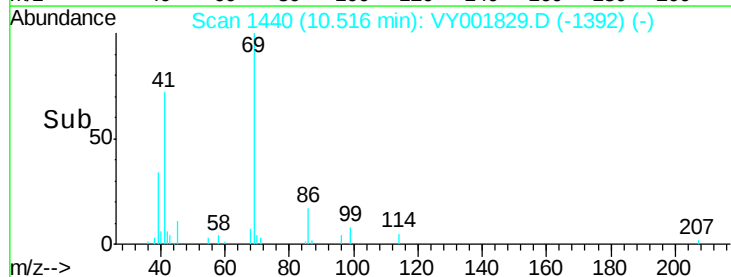
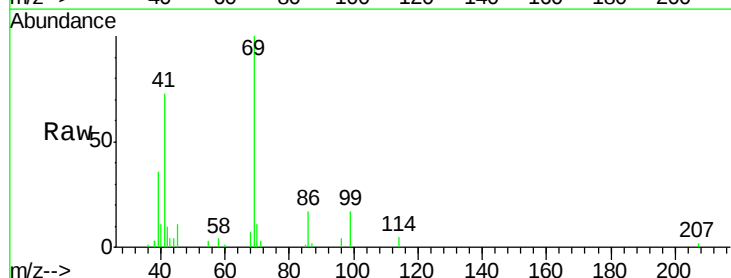
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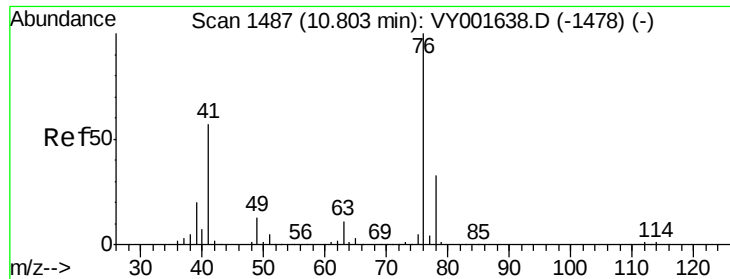
MMDadoda
 3/4/2020 2:02:03 PM



#56
 Ethyl methacrylate
 Concen: 2.782 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion:	69	Resp:	7048
Ion	Ratio	Lower	Upper
69	100		
41	74.0	51.0	76.4
39	34.8	24.7	37.1





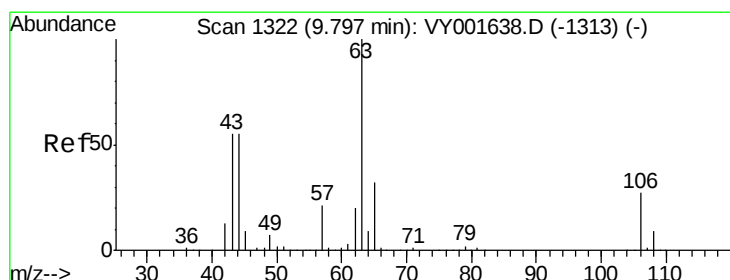
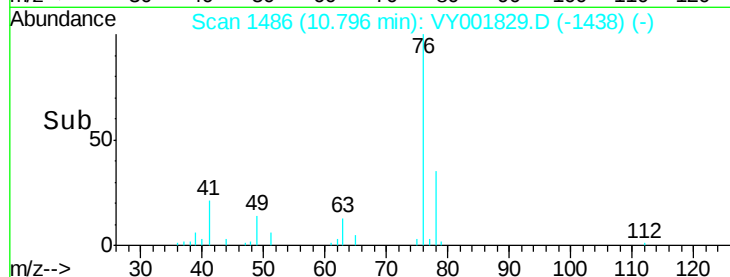
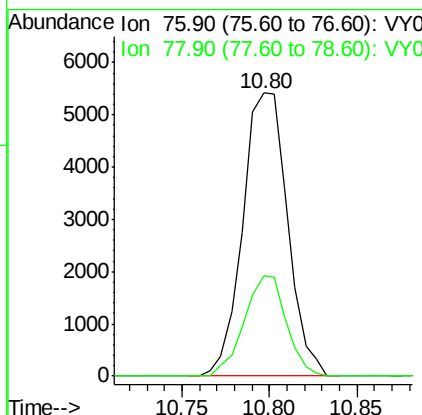
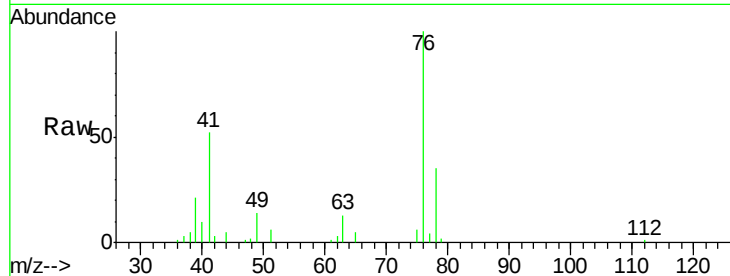
#57
 1,3-Dichloropropane
 Concen: 3.238 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

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

Tot Ion: 76 Resp: 9715
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.7 38.5

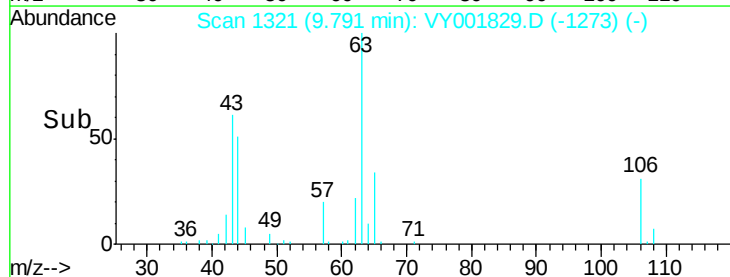
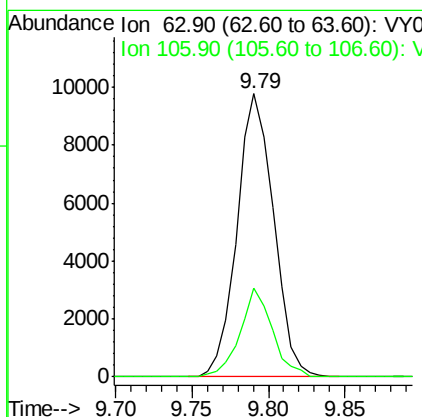
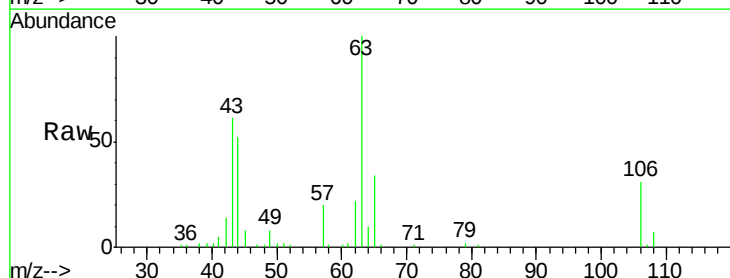
Manual Integrations
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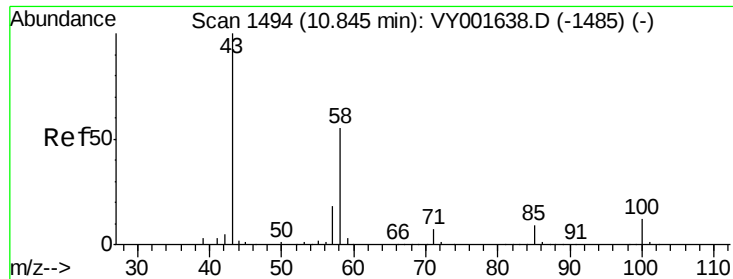
MMDadoda
 3/4/2020 2:02:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.312 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion: 63 Resp: 16197
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.6 32.4





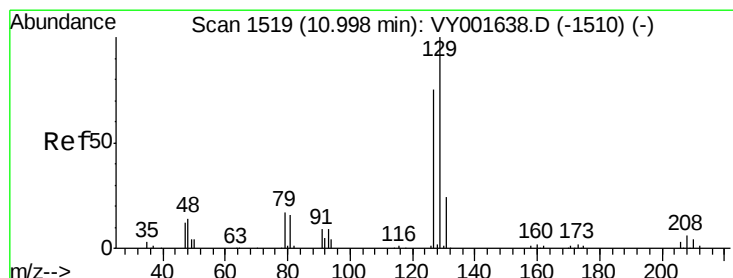
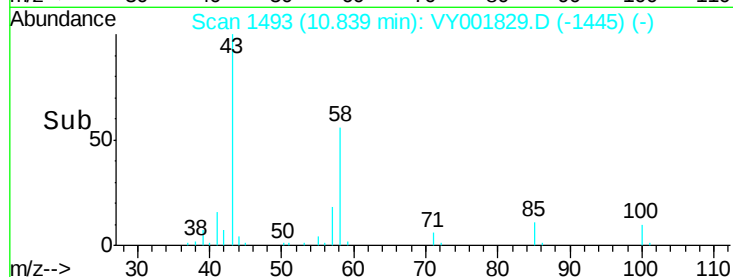
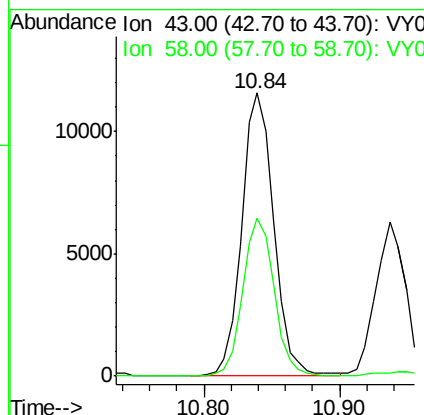
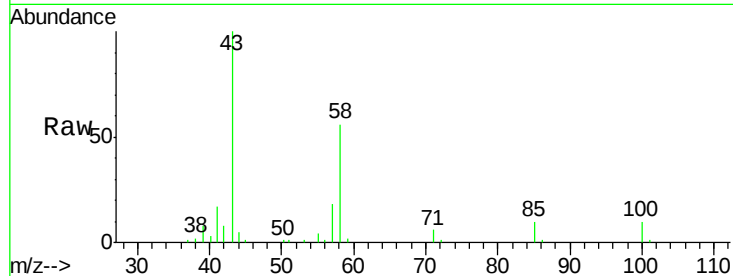
#59
2-Hexanone
Concen: 14.703 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion: 43 Resp: 19079
Ion Ratio Lower Upper
43 100
58 54.6 28.4 85.2

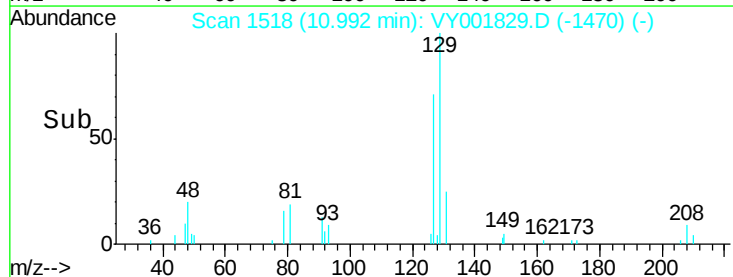
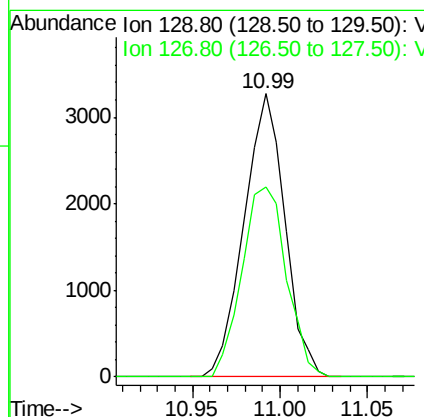
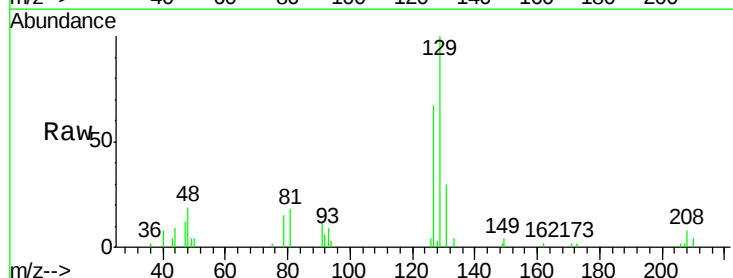
Manual Integrations
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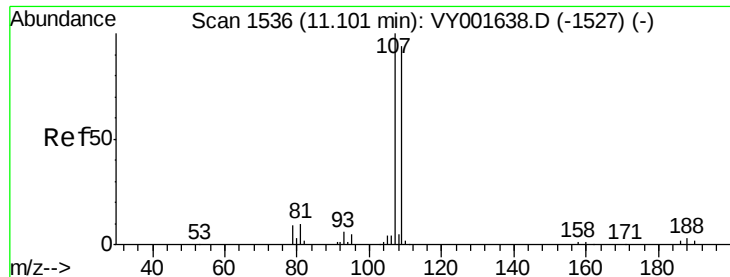
MMDadoda
3/4/2020 2:02:03 PM



#60
Dibromochloromethane
Concen: 2.859 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 129 Resp: 5323
Ion Ratio Lower Upper
129 100
127 73.1 38.9 116.6





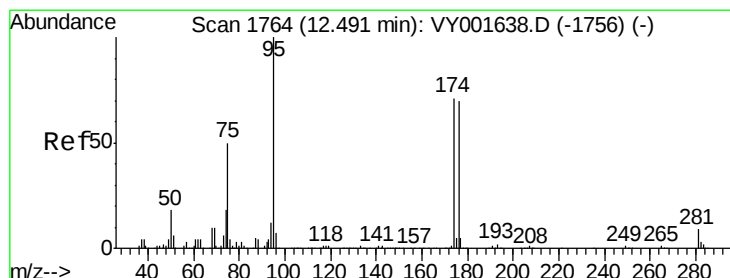
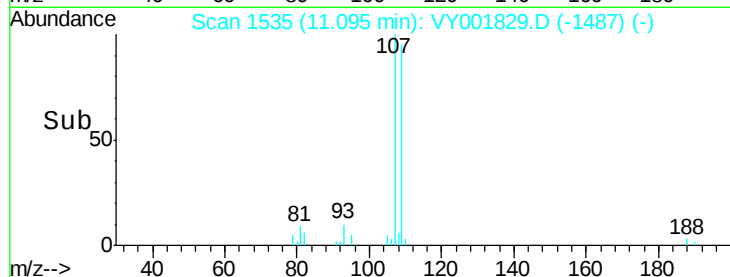
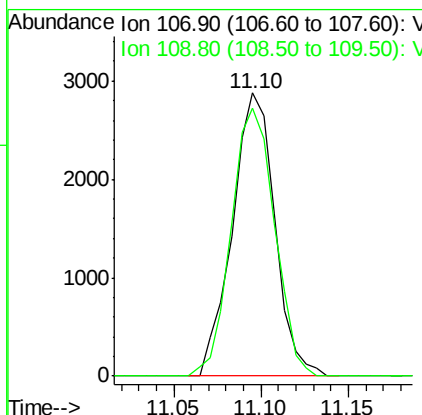
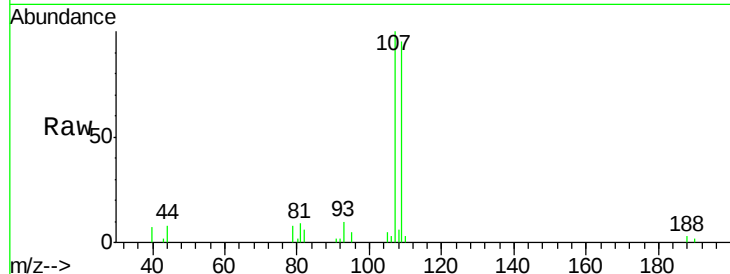
#61
 1,2-Dibromoethane
 Concen: 3.048 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	74.2	111.4

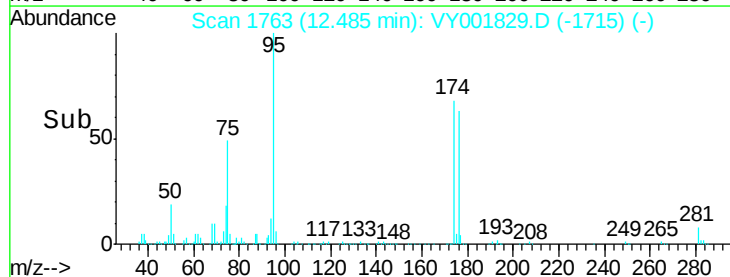
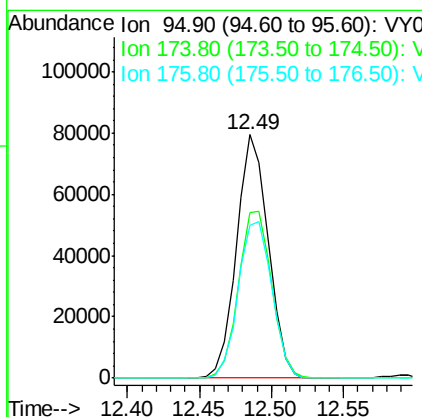
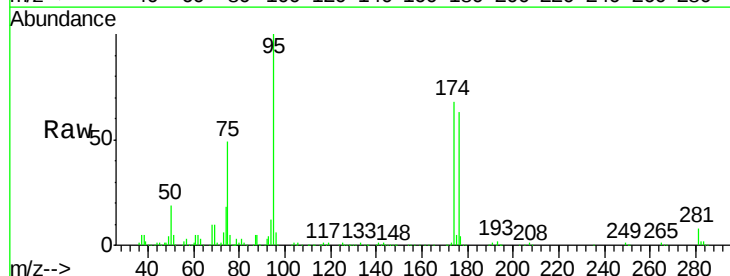
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#62
 4-Bromofluorobenzene
 Concen: 44.868 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	138.4
176	68.4	0.0	131.8





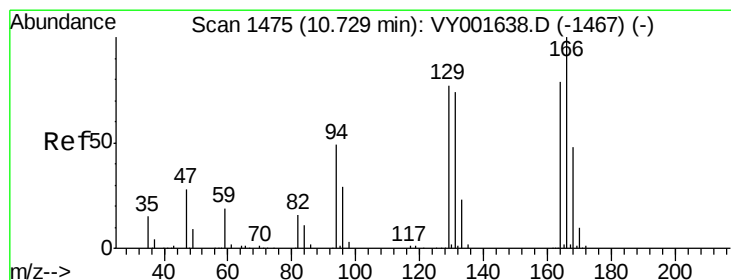
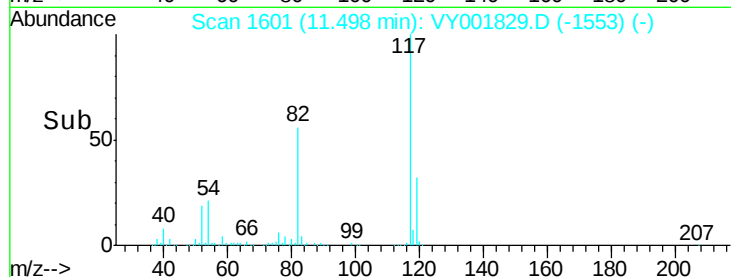
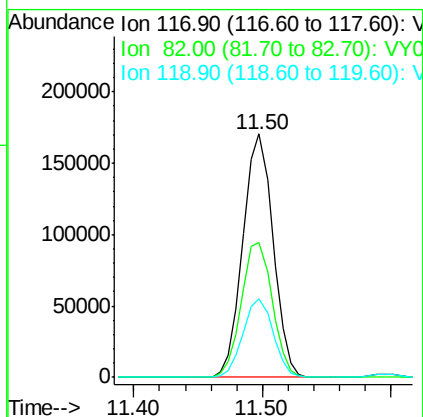
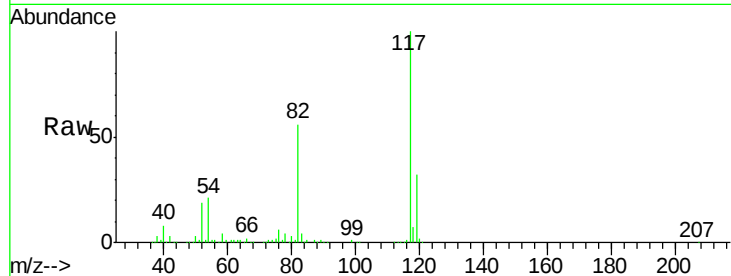
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	276399		
82	55.6		45.5	68.3
119	32.5		25.8	38.6

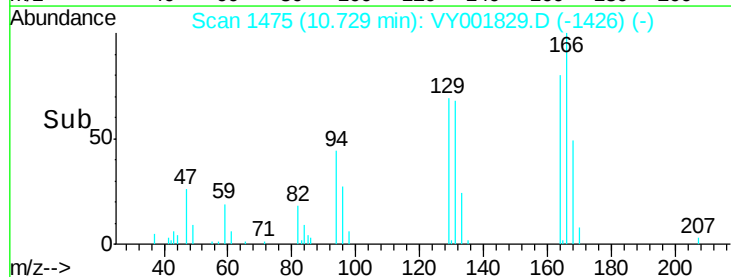
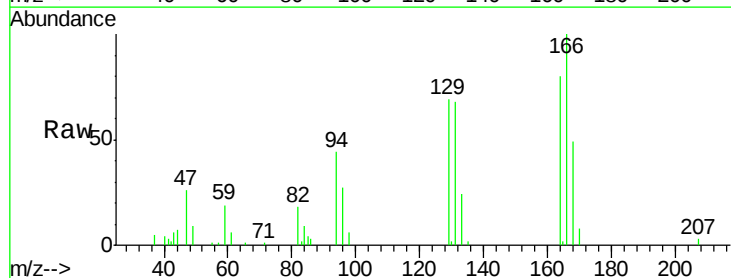
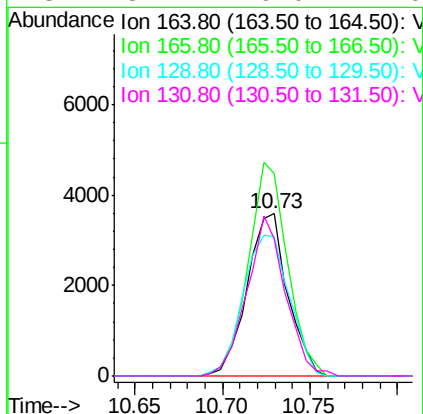
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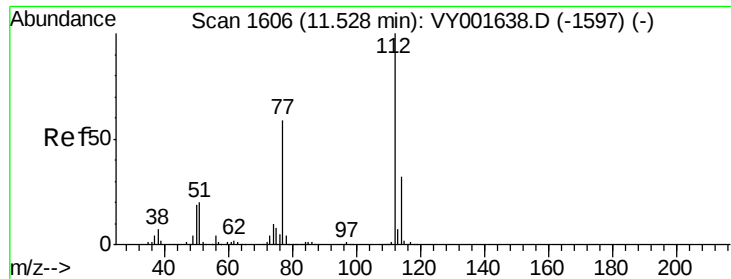
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#64
Tetrachloroethene
Concen: 3.343 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5801		
166	124.6		101.4	152.0
129	86.2		78.7	118.1
131	84.2		76.0	114.0





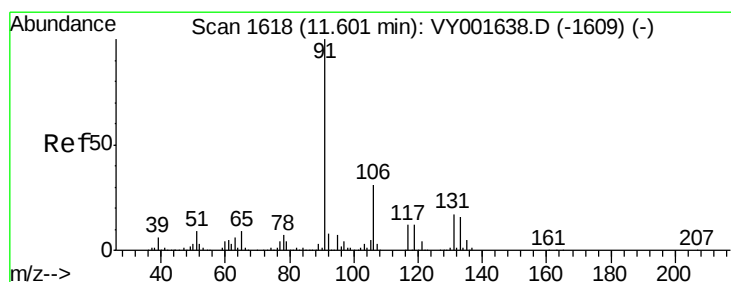
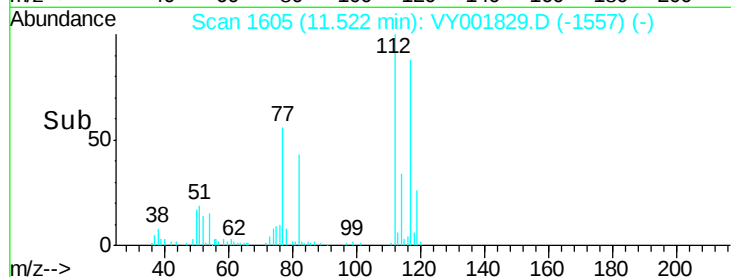
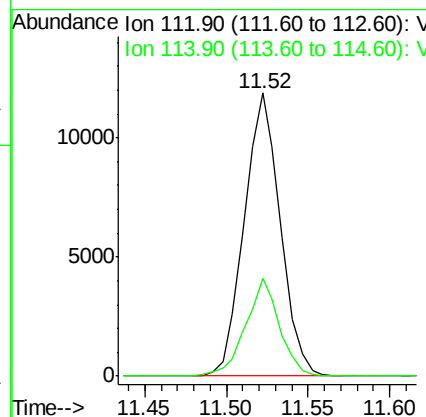
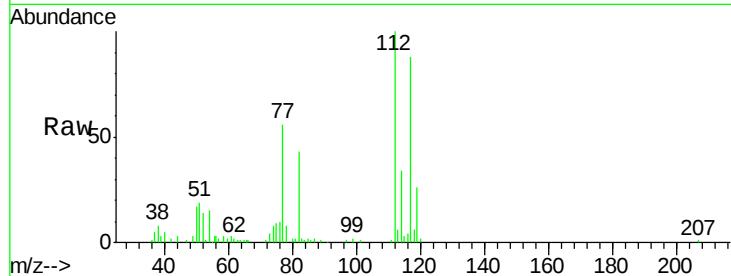
#65
Chlorobenzene
Concen: 3.302 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion:112 Resp: 18220
Ion Ratio Lower Upper
112 100
114 34.5 25.4 38.2

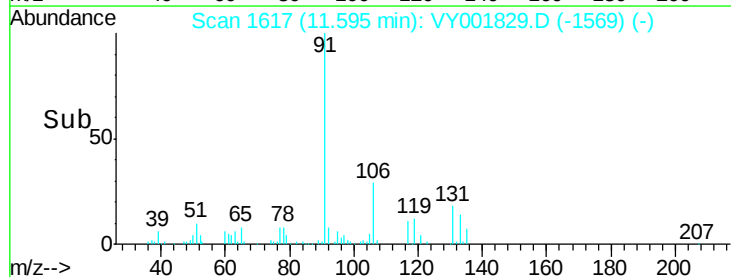
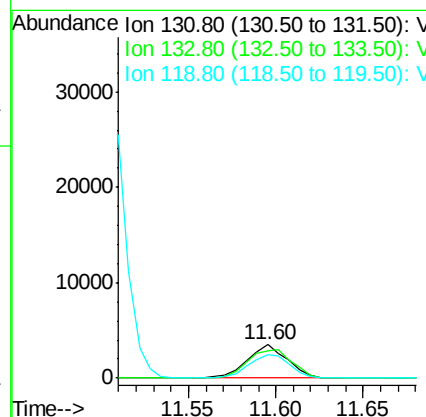
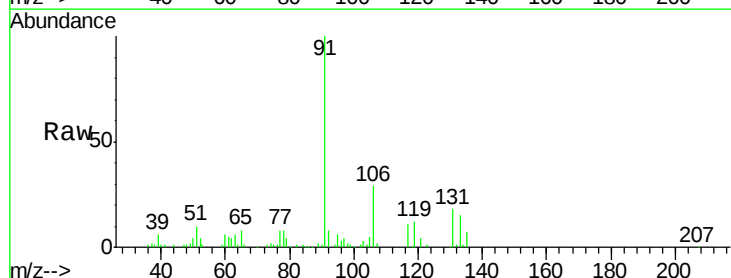
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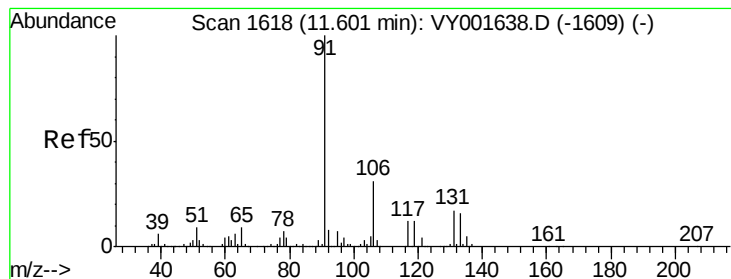
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 2.956 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion:131 Resp: 5503
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.2
119 73.2 34.4 103.1





#67

Ethyl Benzene

Concen: 3.140 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 91 Resp: 32152

Ion Ratio Lower Upper

91 100

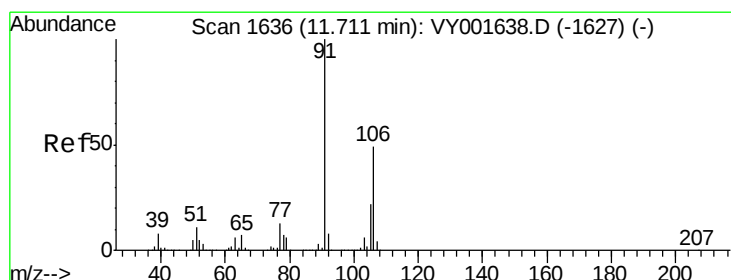
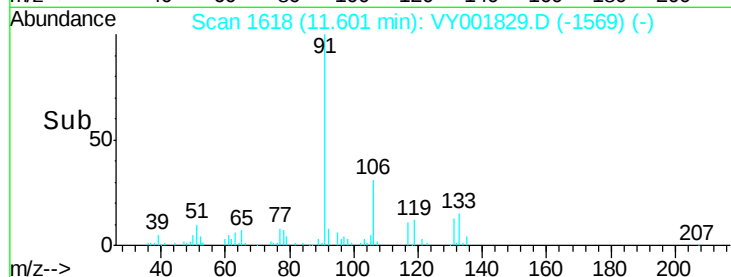
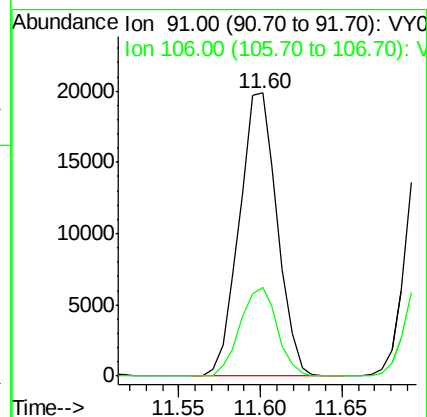
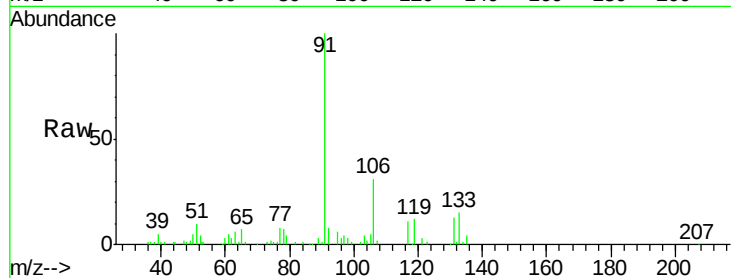
106 31.3 24.5 36.7

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#68

m/p-Xylenes

Concen: 6.143 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001829.D

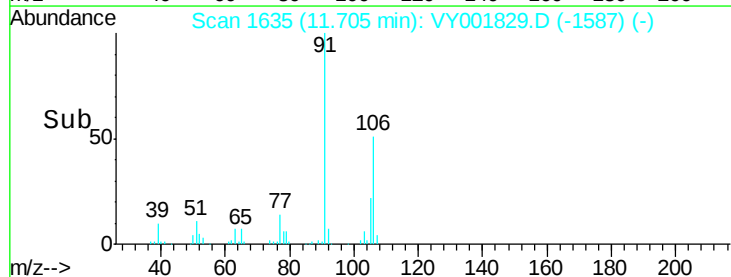
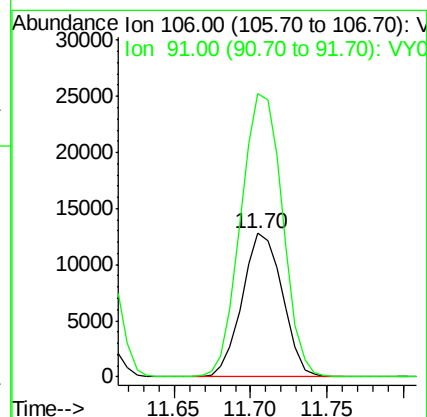
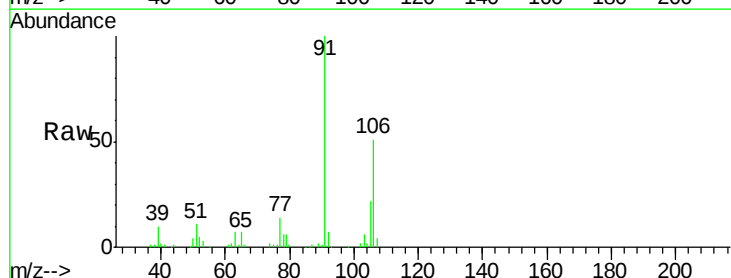
Acq: 03 Mar 2020 13:09

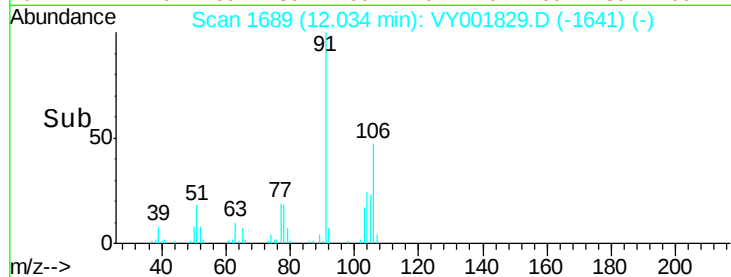
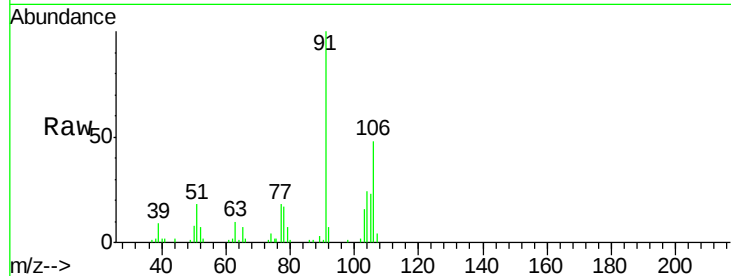
Tgt Ion: 106 Resp: 23500

Ion Ratio Lower Upper

106 100

91 203.7 163.3 244.9





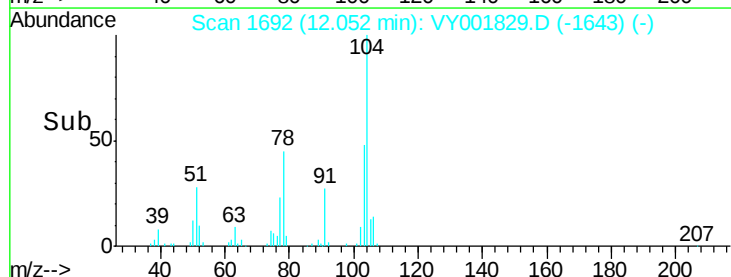
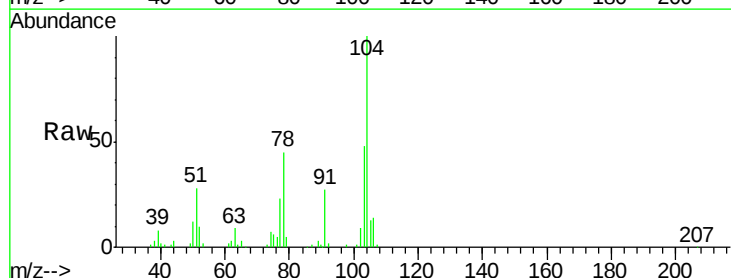
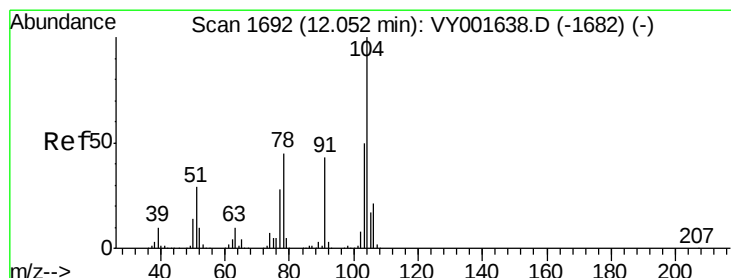
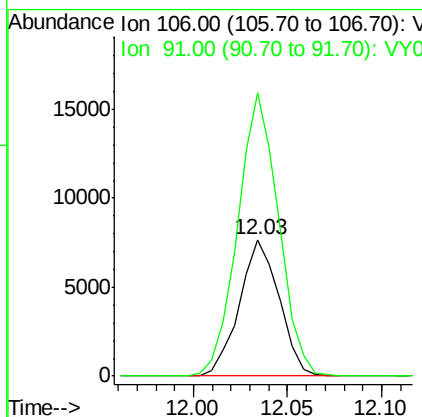
#69
o-Xylene
Concen: 3.085 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tot Ion:106 Resp: 11218
Ion Ratio Lower Upper
106 100
91 212.8 108.3 324.9

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

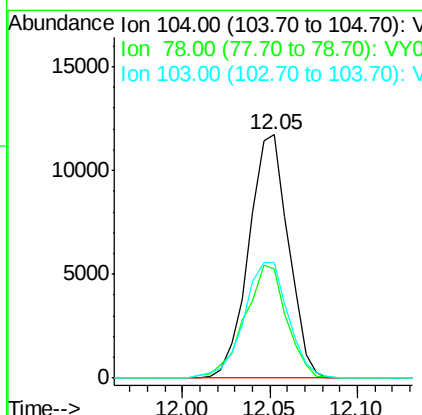
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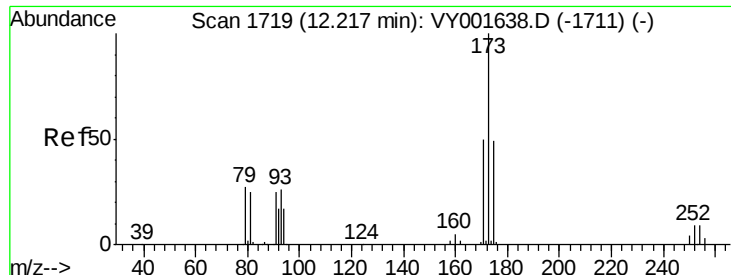
MMDadoda
3/4/2020 2:02:03 PM



#70
Styrene
Concen: 2.917 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion:104 Resp: 18438
Ion Ratio Lower Upper
104 100
78 49.2 39.2 58.8
103 53.2 43.0 64.6





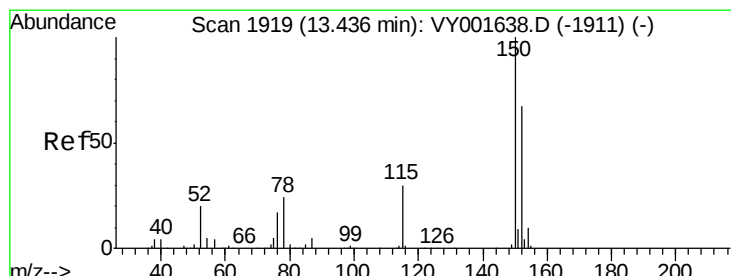
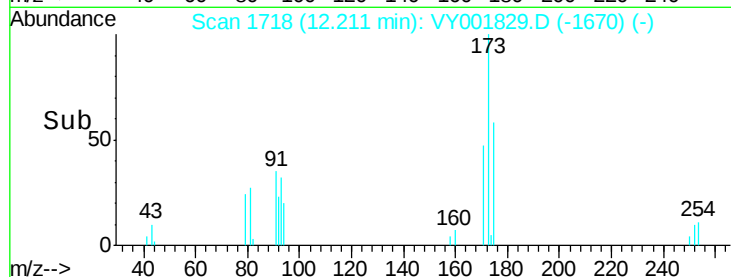
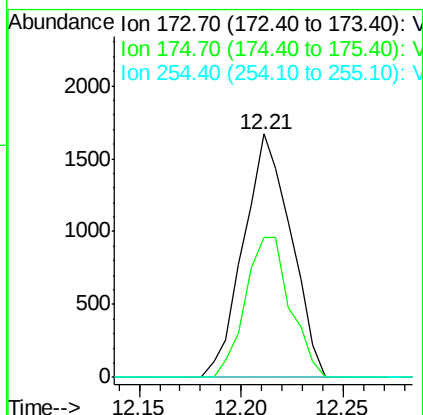
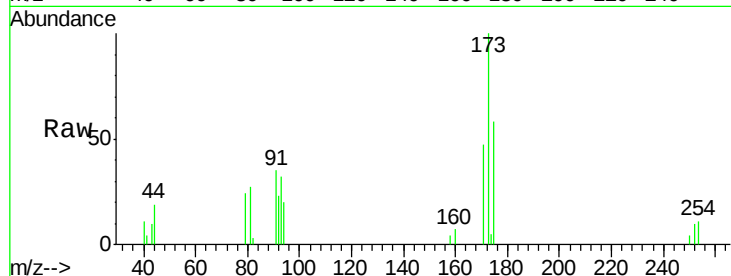
#71
Bromoform
Concen: 2.543 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
173	100		
175	54.3	24.3	73.0
254	0.0	0.1	0.1#

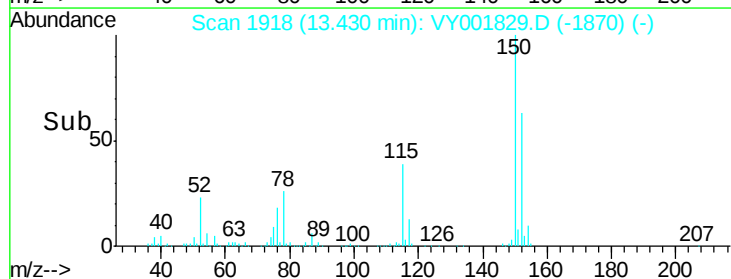
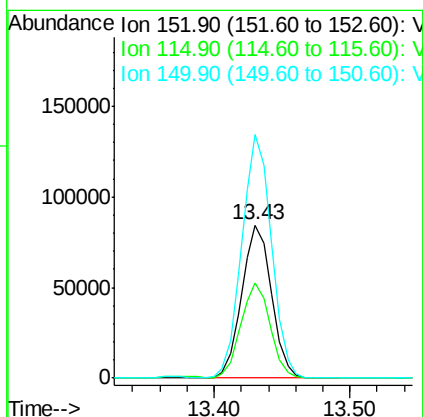
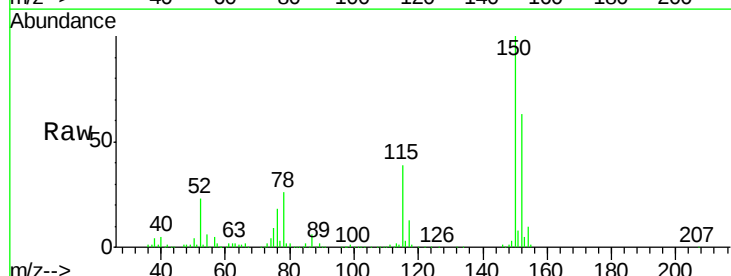
Manual Integrations
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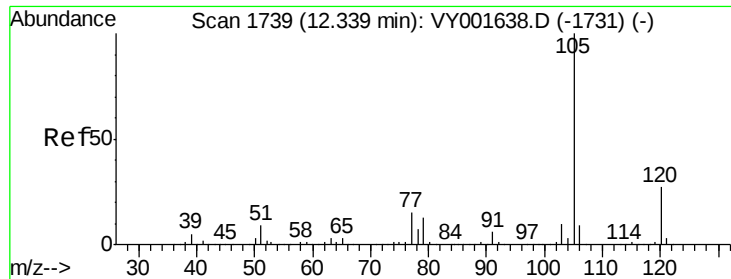
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	31.4	94.2
150	159.1	0.0	407.2





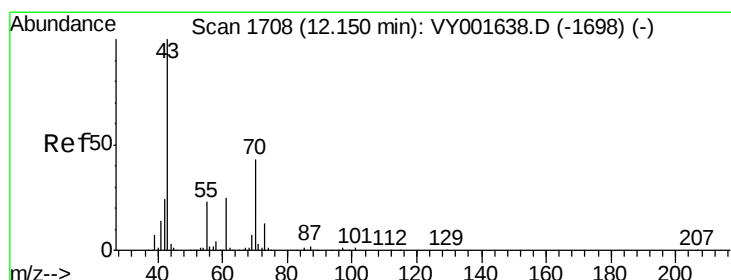
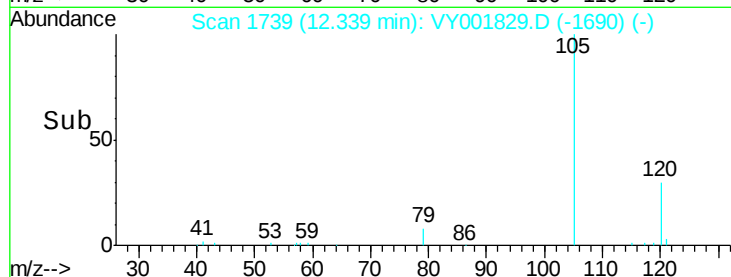
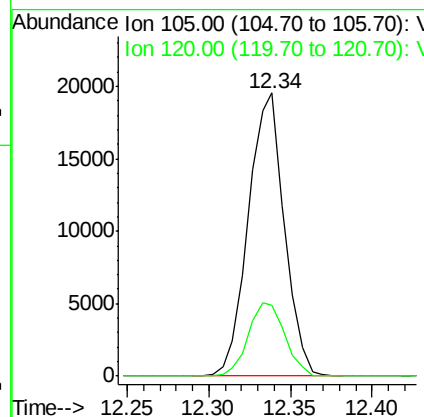
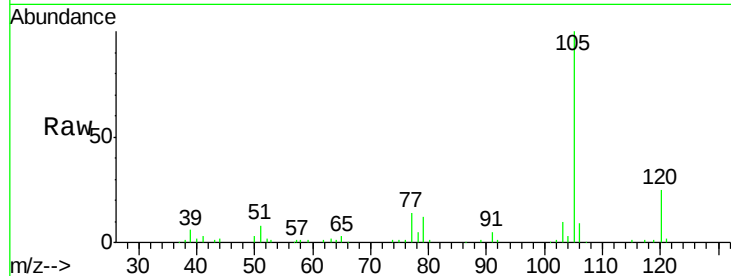
#73
Isopropylbenzene
Concen: 3.056 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion: 105 Resp: 29999
Ion Ratio Lower Upper
105 100
120 26.4 13.4 40.1

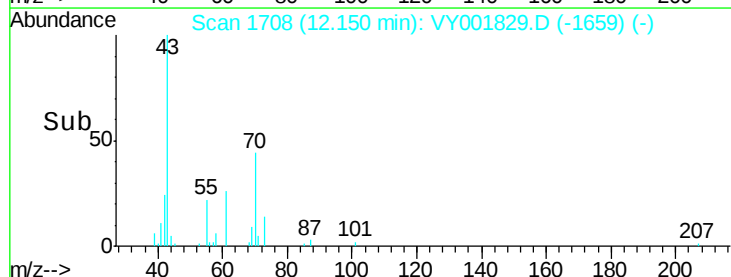
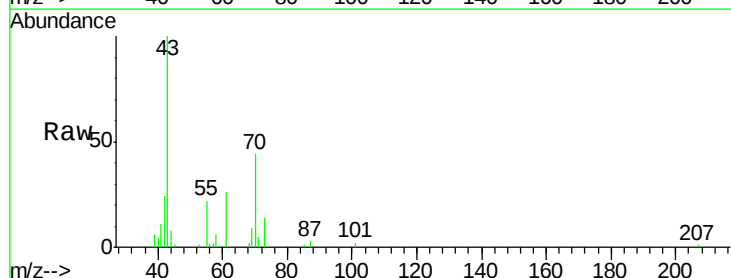
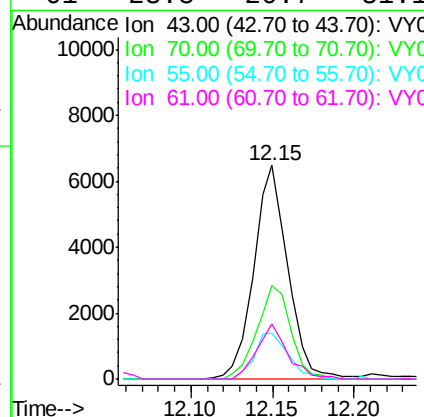
Manual Integrations
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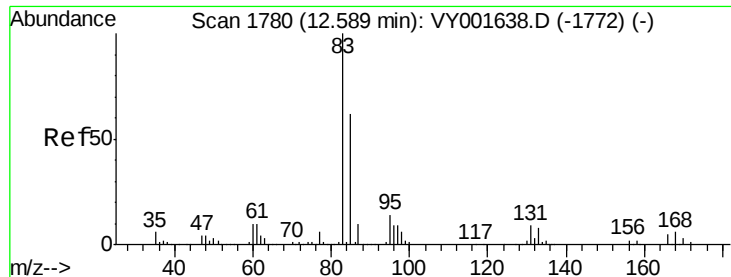
MMDadoda
3/4/2020 2:02:03 PM



#74
N-ethyl acetate
Concen: 2.980 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 43 Resp: 9336
Ion Ratio Lower Upper
43 100
70 43.6 35.9 53.9
55 21.9 18.3 27.5
61 23.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 3.013 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

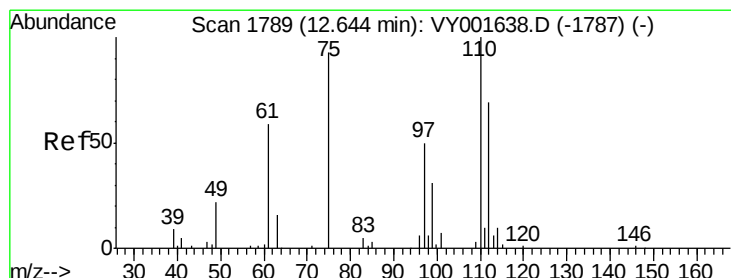
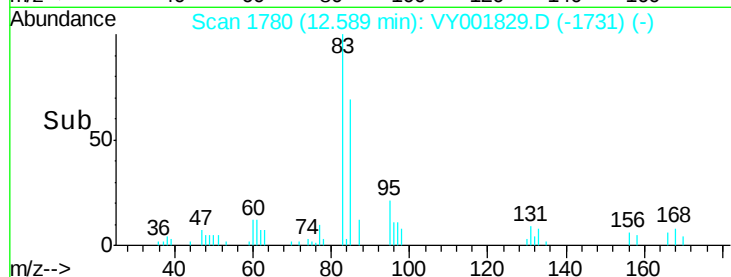
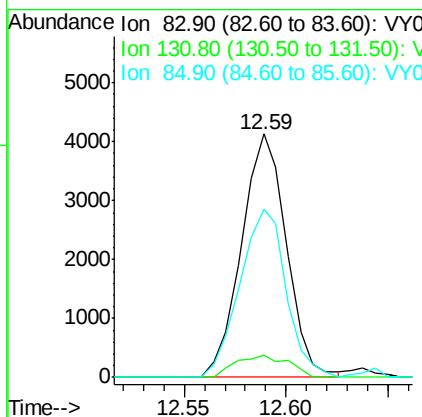
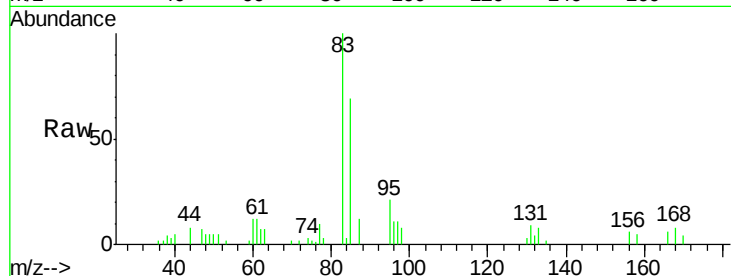
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	83	Resp:	6315
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.7	14.1
85	71.0	31.6	94.7

Manual Integrations
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MMDadoda
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#76

1,2,3-Trichloropropane

Concen: 3.275 ug/l m

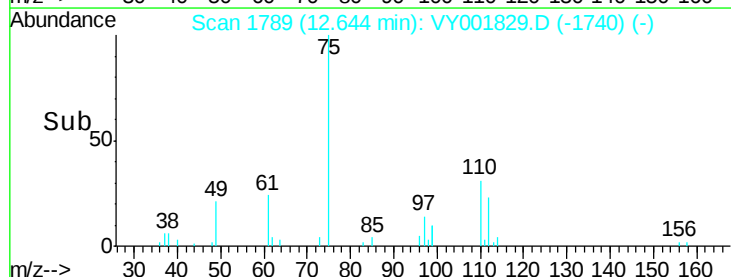
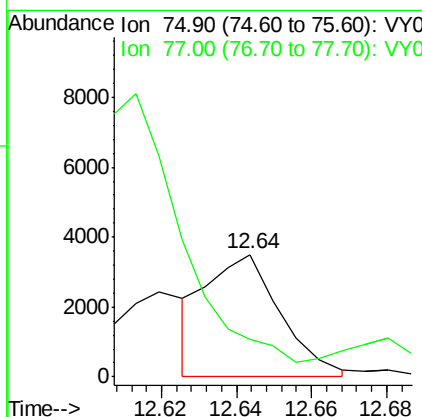
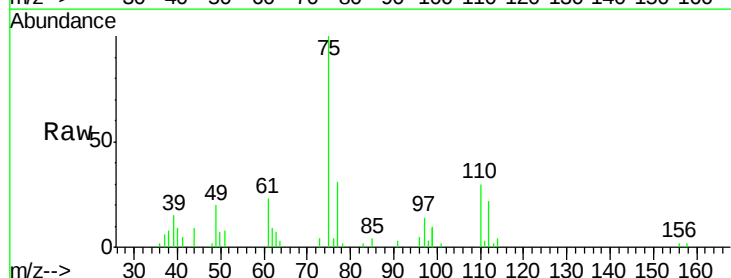
RT: 12.64 min Scan# 1789

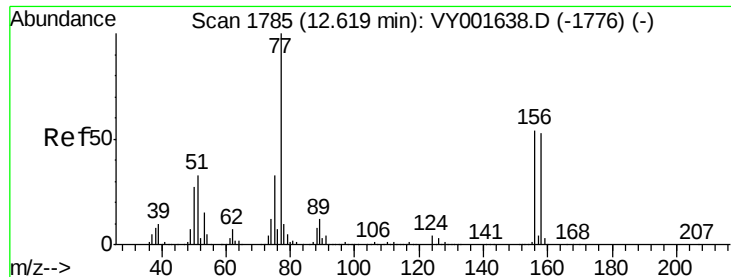
Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Tgt Ion:	75	Resp:	4841
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 3.046 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

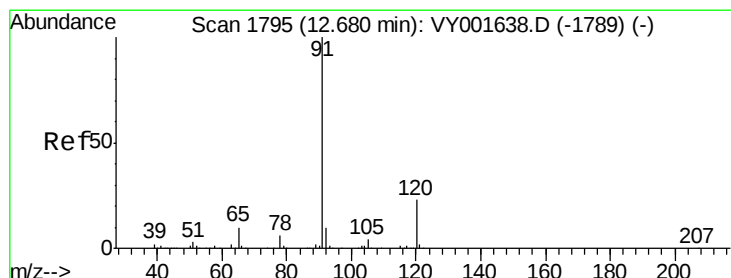
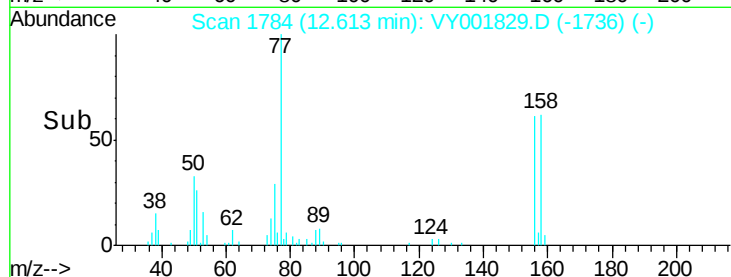
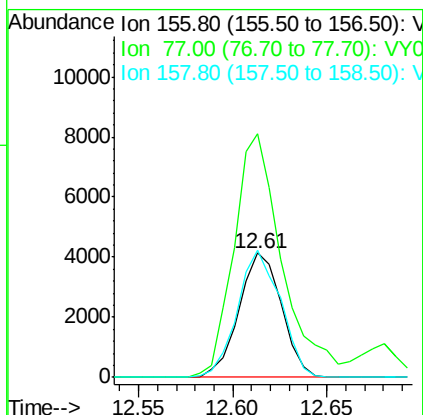
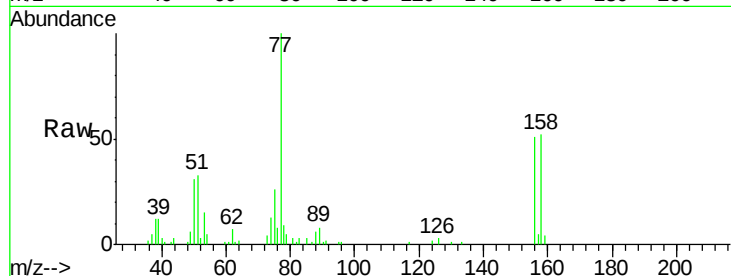
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	156	Resp:	6483
Ion	Ratio	Lower	Upper
156	100		
77	220.9	110.1	330.1
158	102.9	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 3.226 ug/l

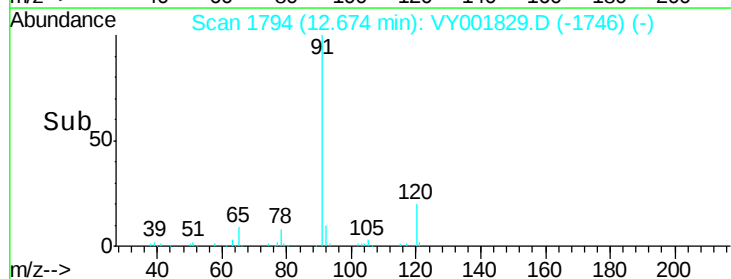
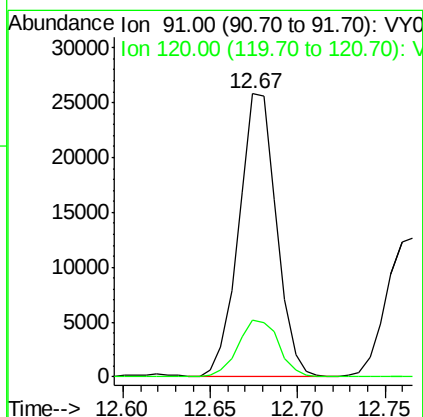
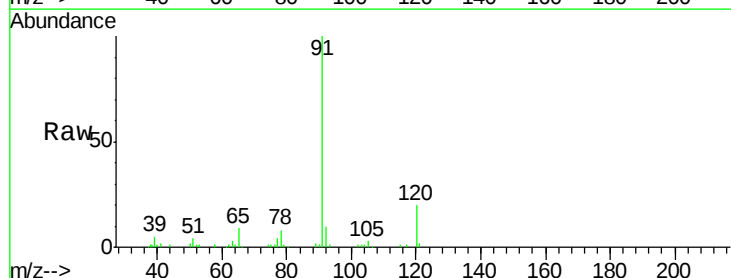
RT: 12.67 min Scan# 1794

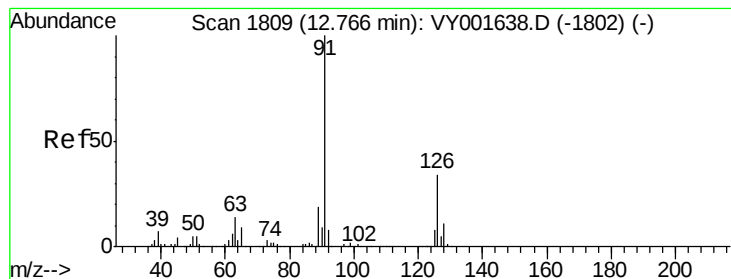
Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Tgt Ion:	91	Resp:	38574
Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.1	33.1





#79

2-Chlorotoluene

Concen: 3.104 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 91 Resp: 20814

Ion Ratio Lower Upper

91 100

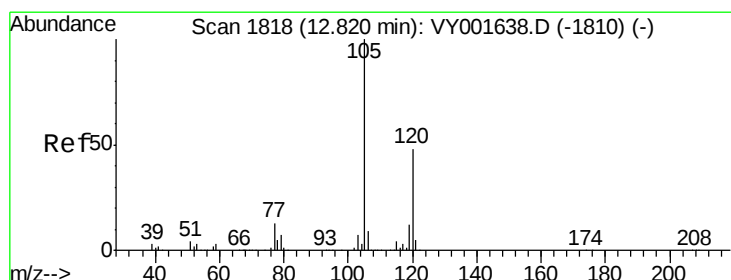
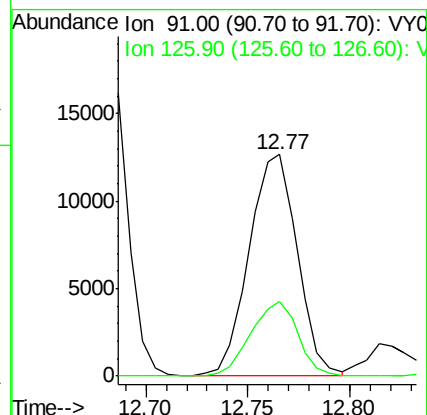
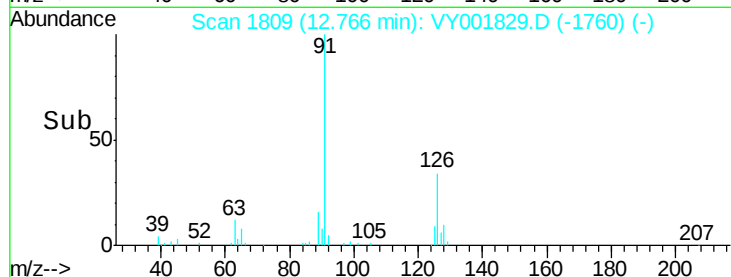
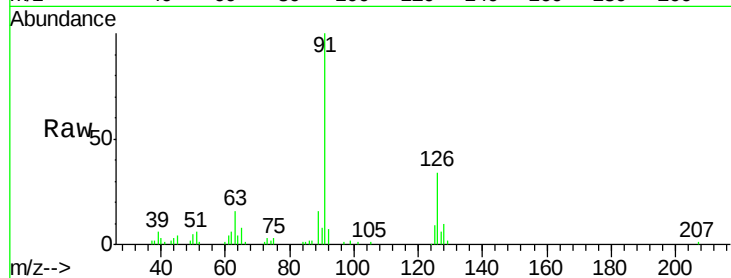
126 32.5 16.2 48.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 3.100 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001829.D

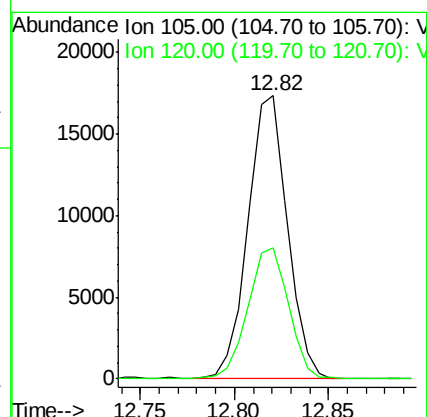
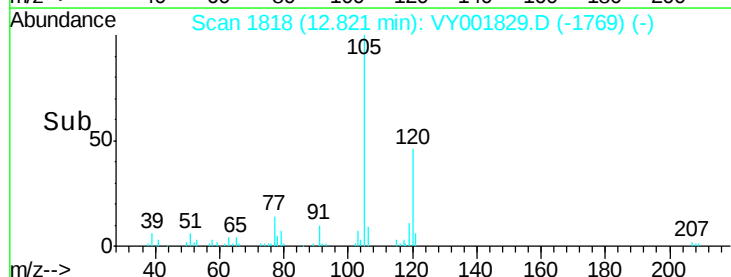
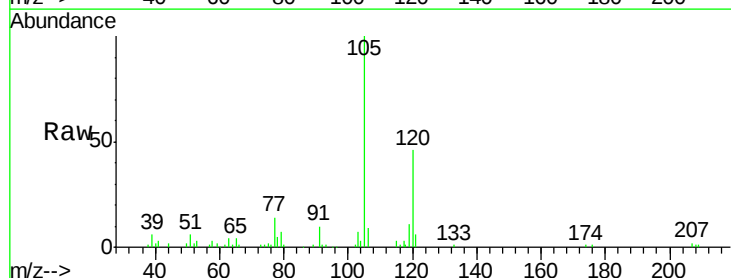
Acq: 03 Mar 2020 13:09

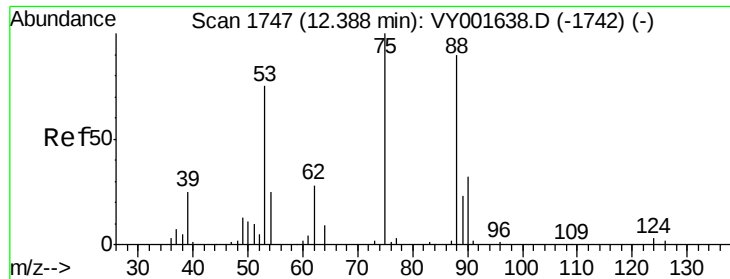
Tgt Ion: 105 Resp: 25197

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 2.601 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

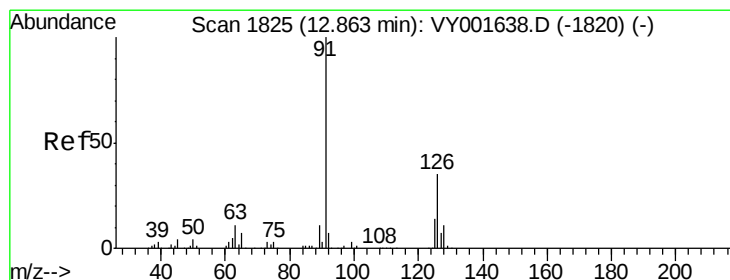
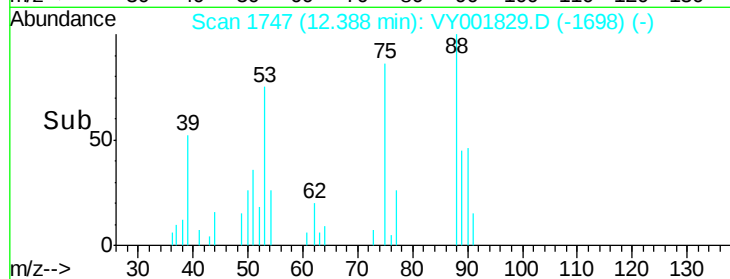
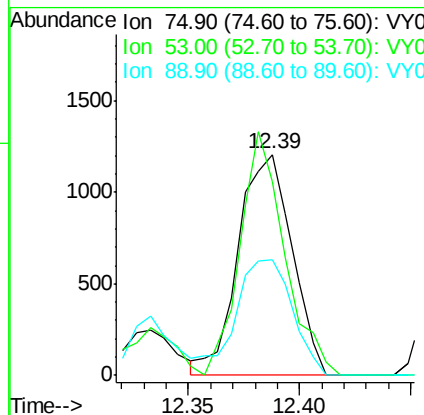
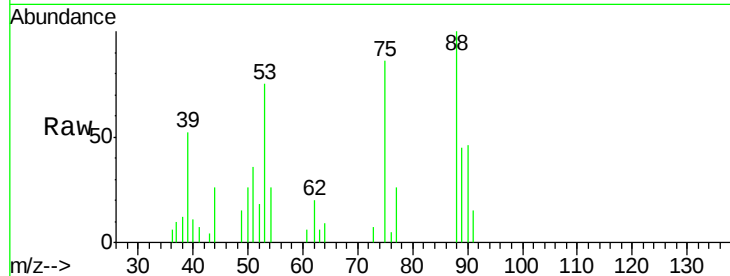
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	75	Resp:	2027
Ion Ratio	Lower	Upper	
75	100		
53	91.7	64.5	96.7
89	55.7	36.3	54.5#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 3.093 ug/l

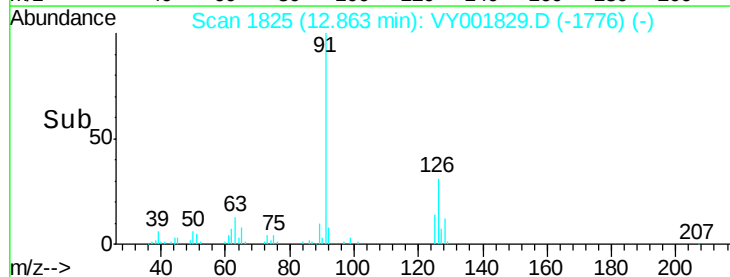
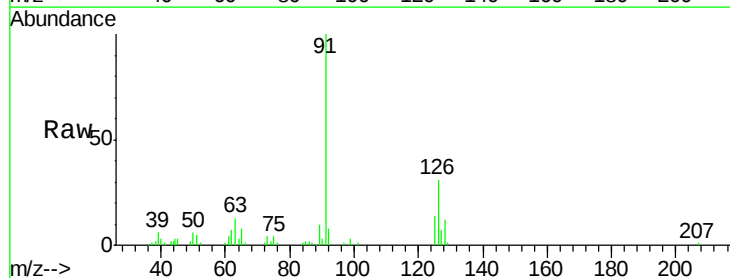
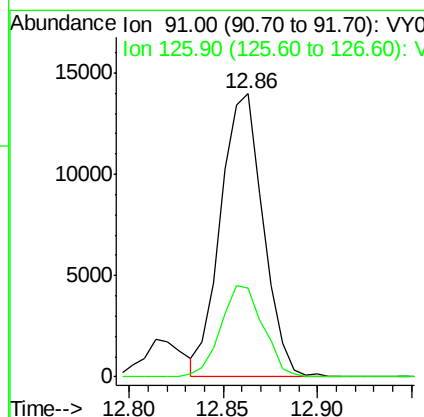
RT: 12.86 min Scan# 1825

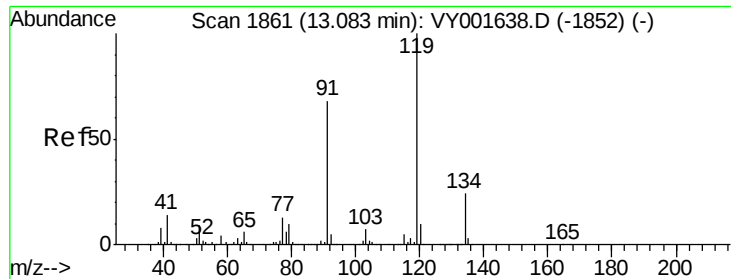
Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Tgt Ion:	91	Resp:	21878
Ion Ratio	Lower	Upper	
91	100		
126	32.2	16.2	48.6





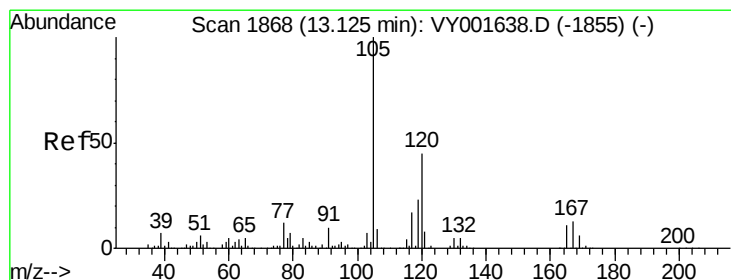
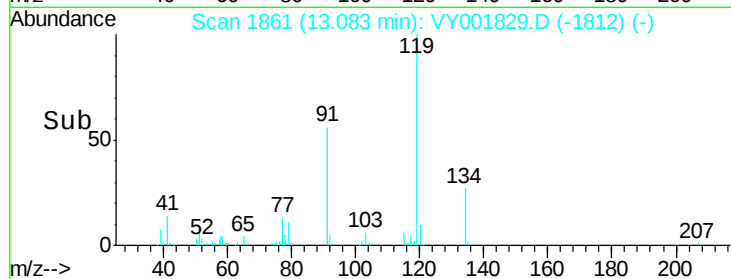
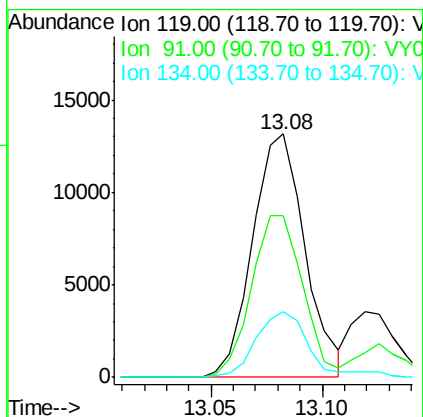
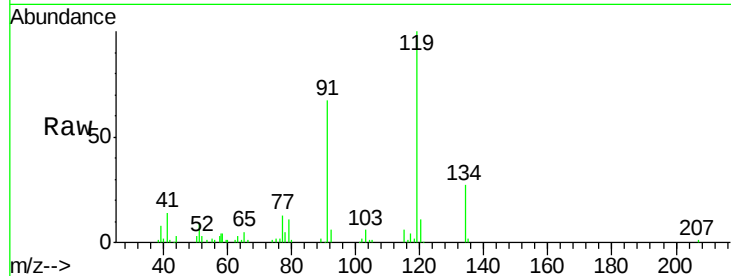
#83
tert-Butylbenzene
Concen: 3.161 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	33.5	100.5
134	27.6	13.3	39.8

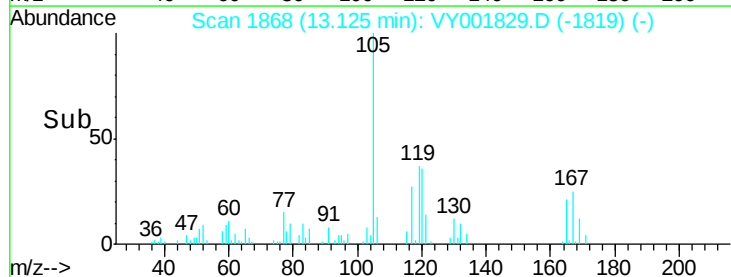
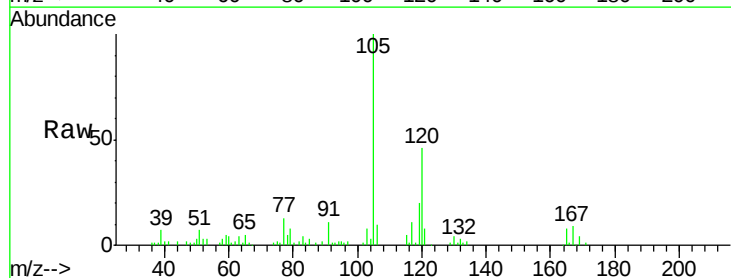
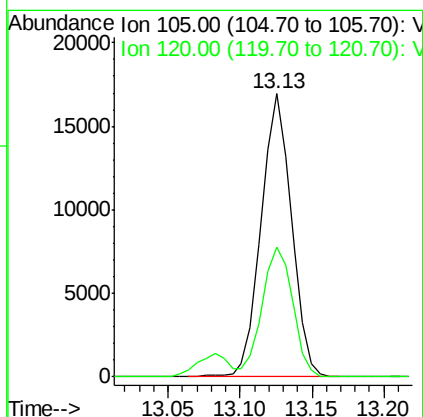
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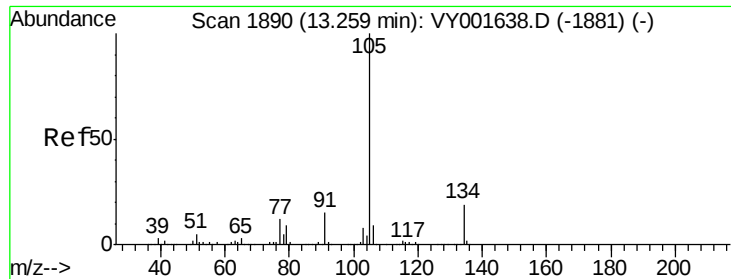
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 3.053 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.4	67.3





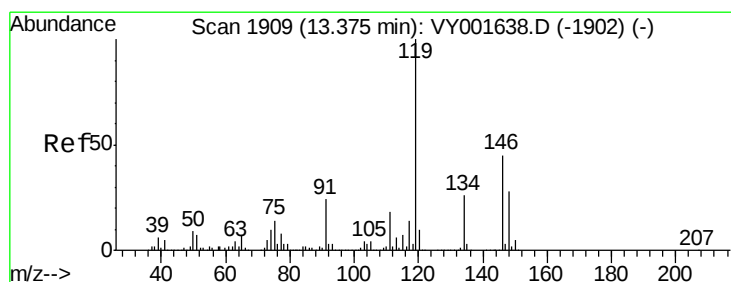
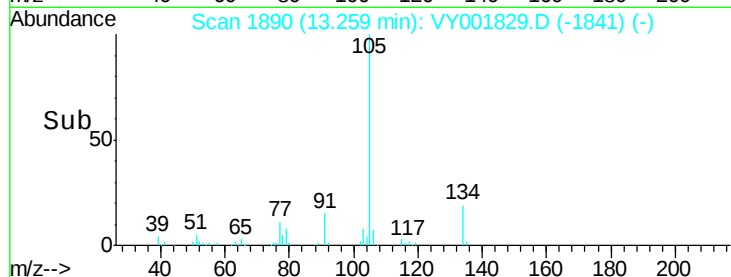
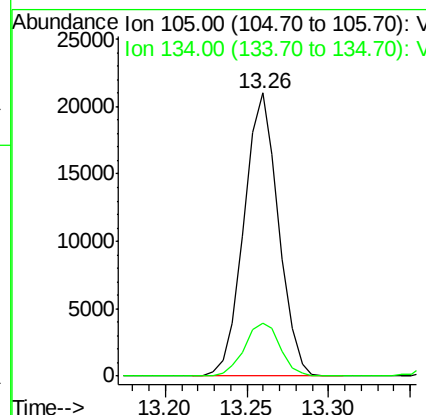
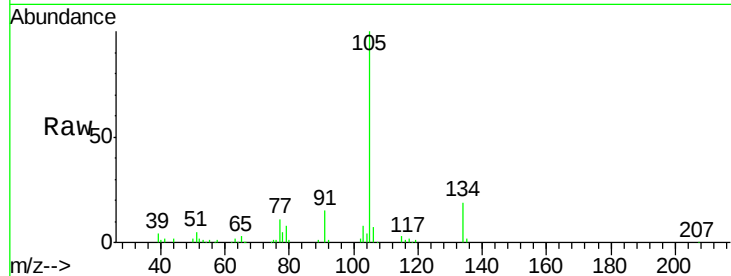
#85
 sec-Butylbenzene
 Concen: 3.093 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.3

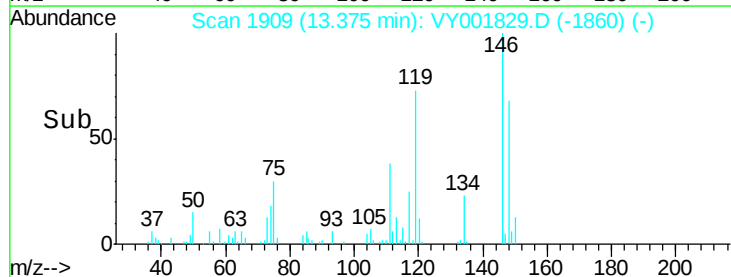
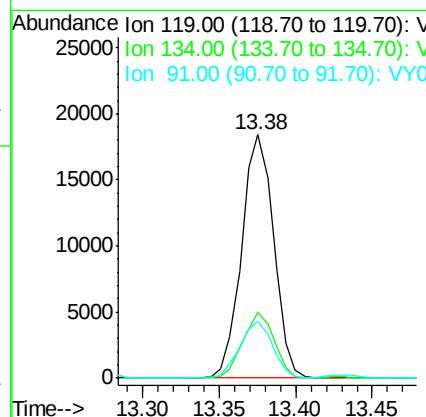
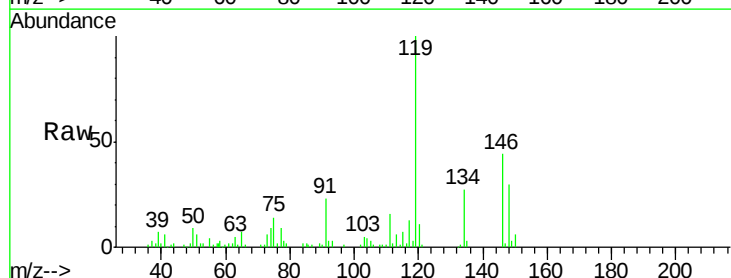
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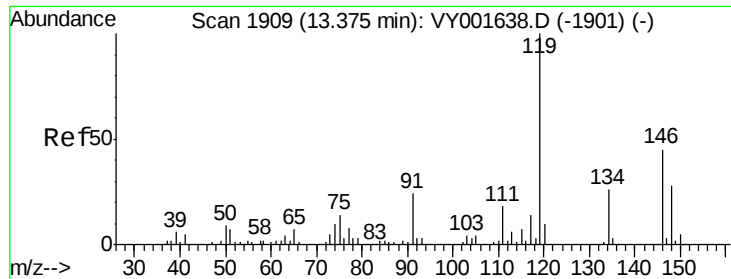
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#86
 p-Isopropyltoluene
 Concen: 3.079 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.0	39.0
91	23.6	12.2	36.6





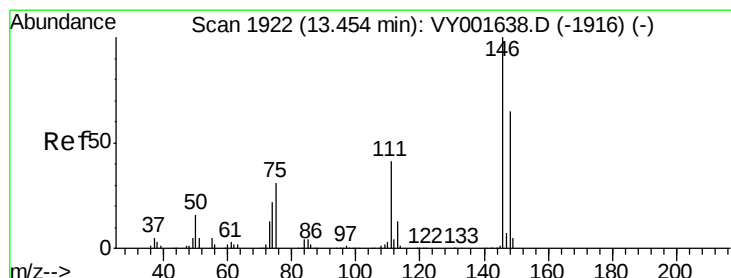
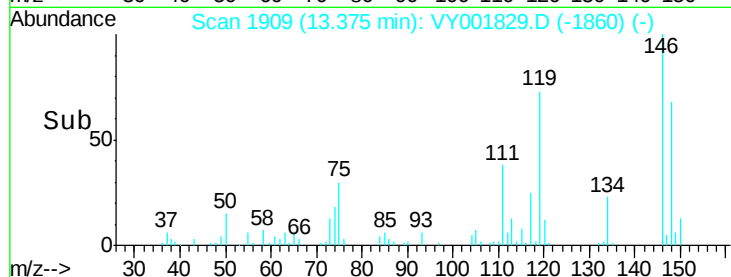
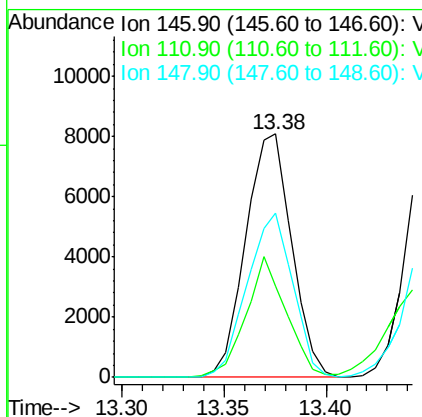
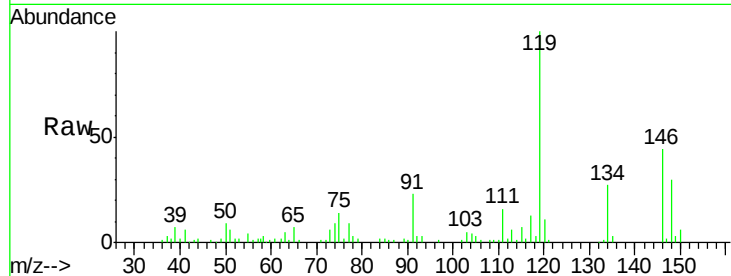
#87
 1,3-Dichlorobenzene
 Concen: 3.071 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.4	64.3
148	67.0	31.6	94.7

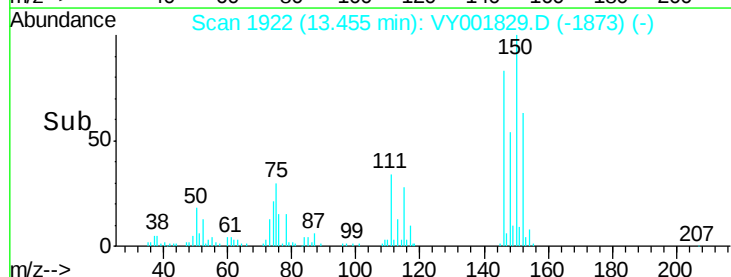
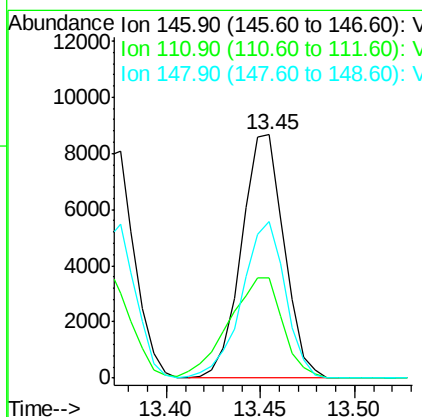
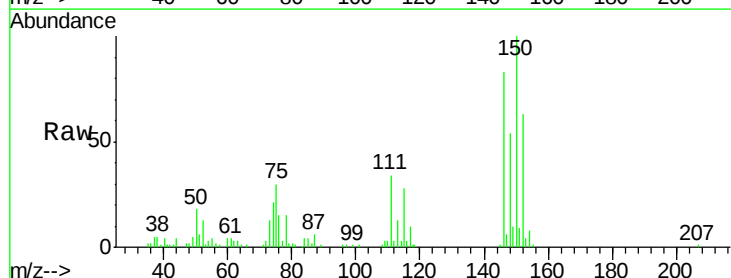
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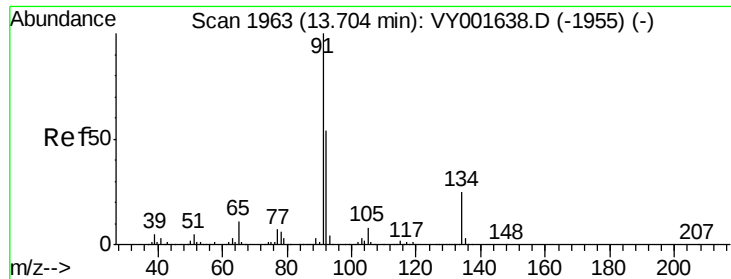
MMDadoda
 3/4/2020 2:02:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 3.250 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.4	20.4	61.3
148	65.8	31.6	94.7





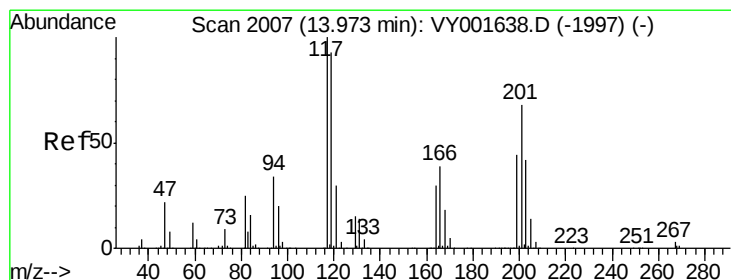
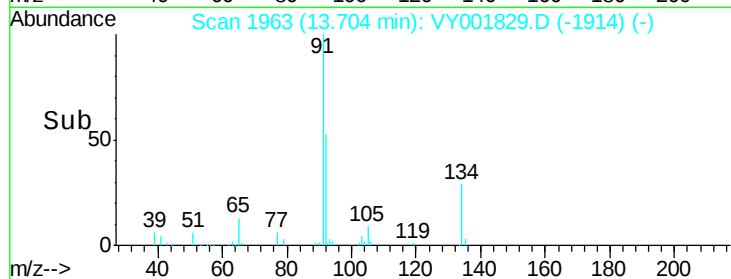
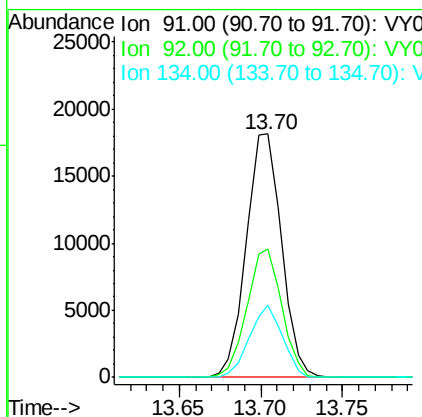
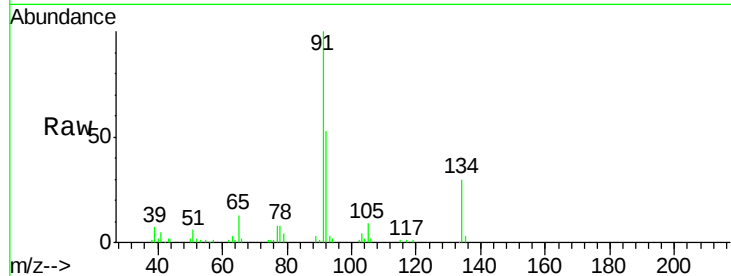
#89
n-Butylbenzene
Concen: 3.089 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	27.5	82.4
134	27.5	12.4	37.4

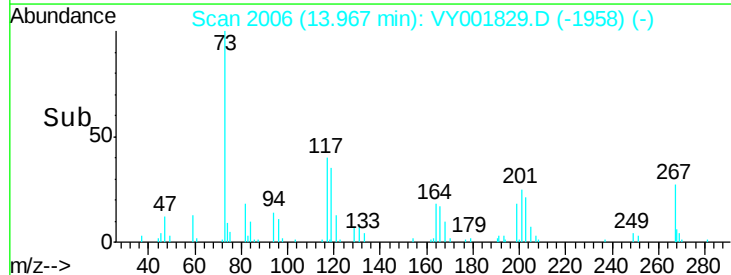
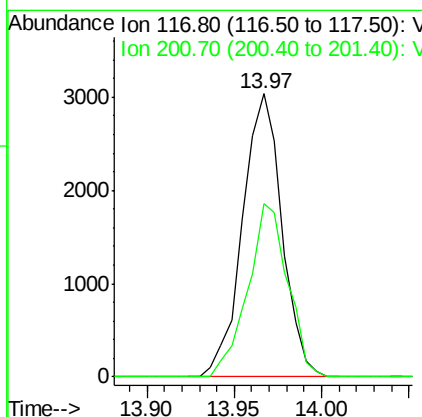
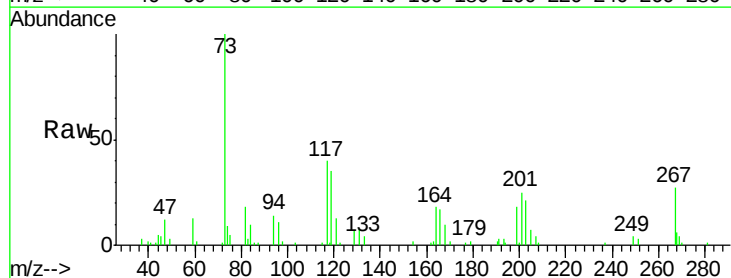
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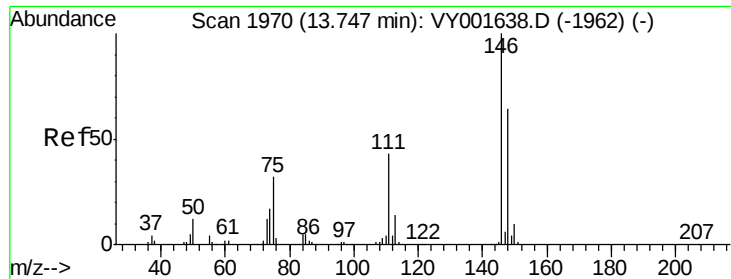
MMDadoda
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#90
Hexachloroethane
Concen: 2.907 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.7	32.5	97.4





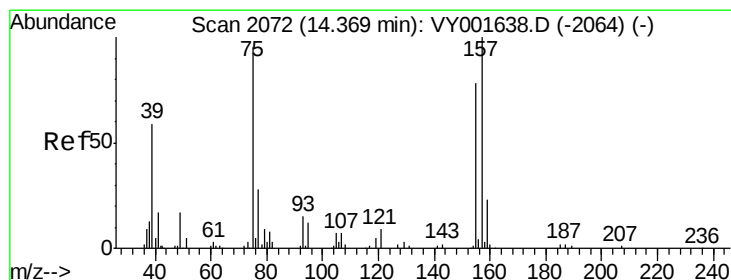
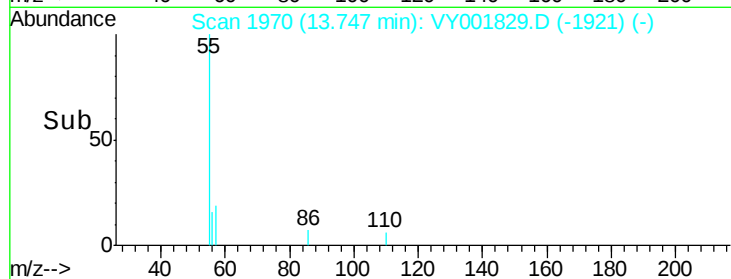
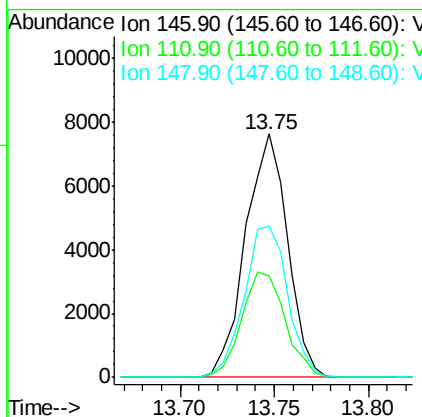
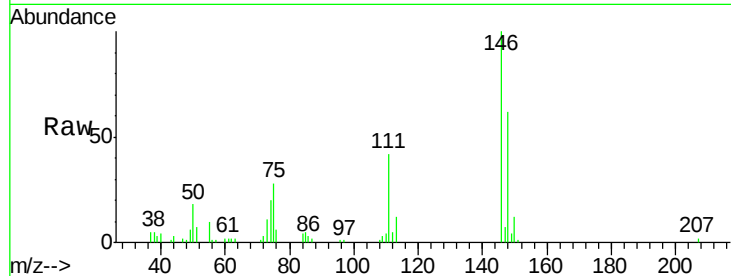
#91
 1,2-Dichlorobenzene
 Concen: 3.096 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.9	65.7
148	64.6	31.5	94.5

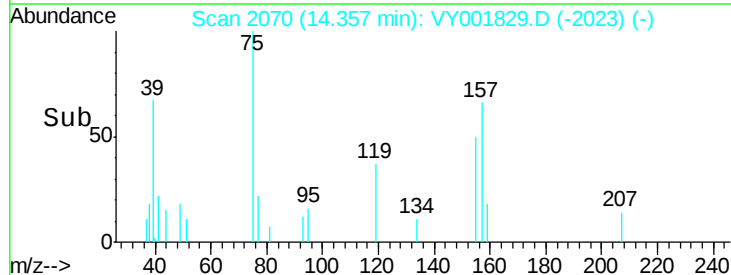
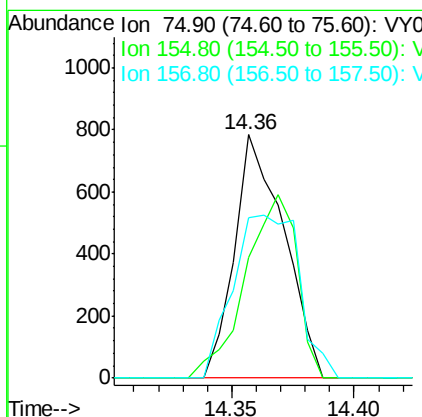
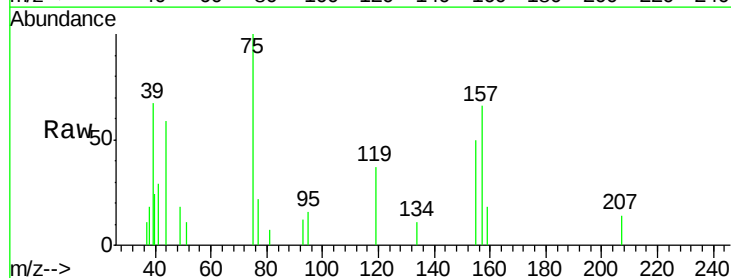
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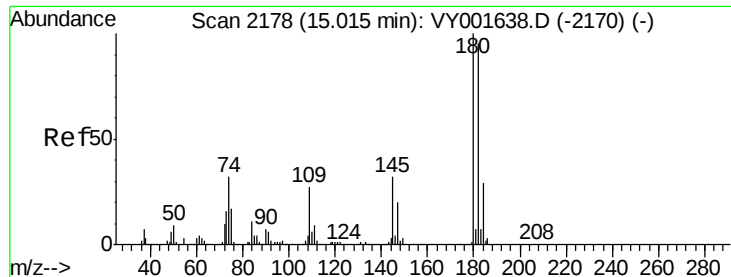
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.188 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.8	40.8	122.4
157	90.1	52.1	156.4





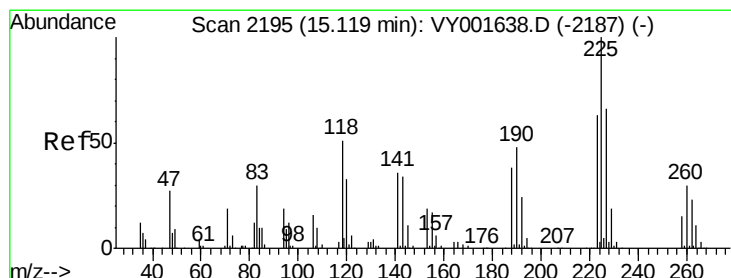
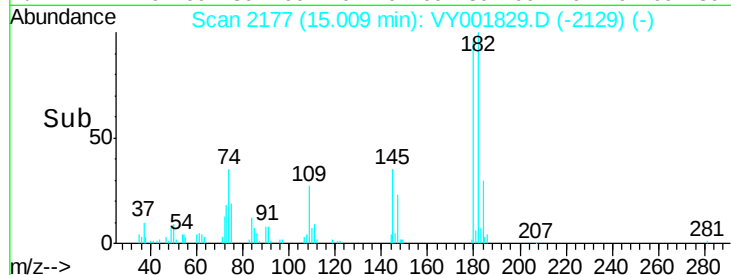
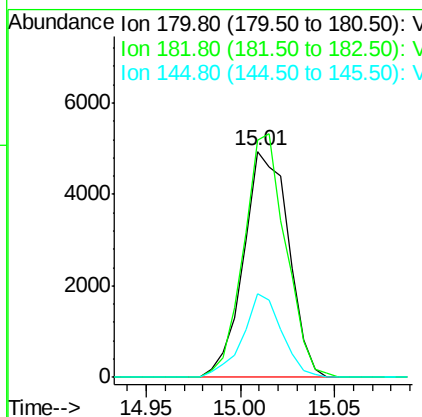
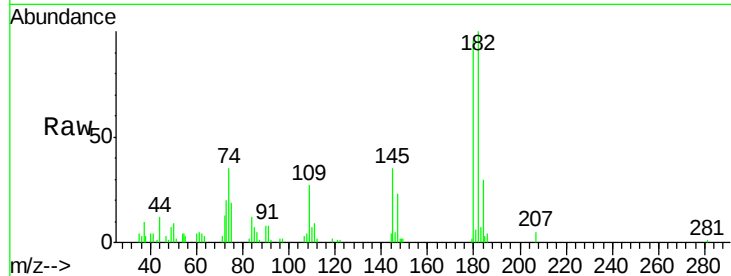
#93
 1,2,4-Trichlorobenzene
 Concen: 3.241 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	100.7	46.8	140.3	
145	32.2	16.2	48.5	

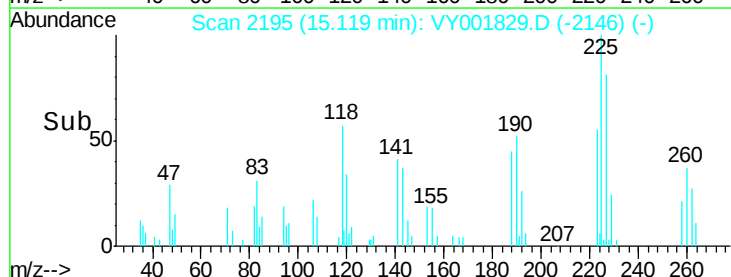
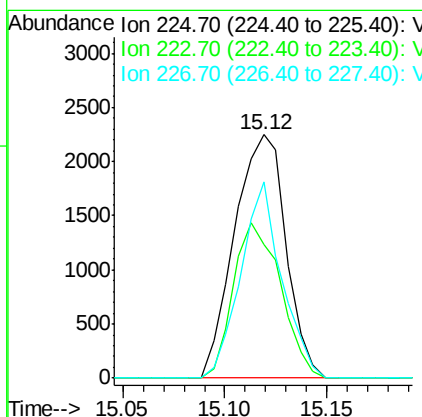
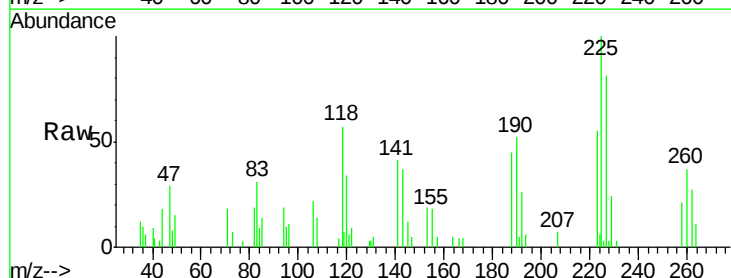
Manual Integrations
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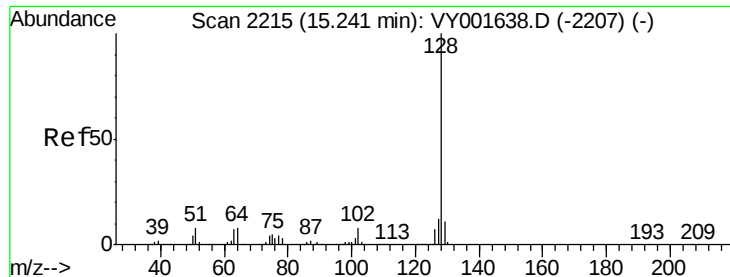
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#94
 Hexachlorobutadiene
 Concen: 3.128 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	58.7	31.4	94.0	
227	64.6	31.6	94.8	





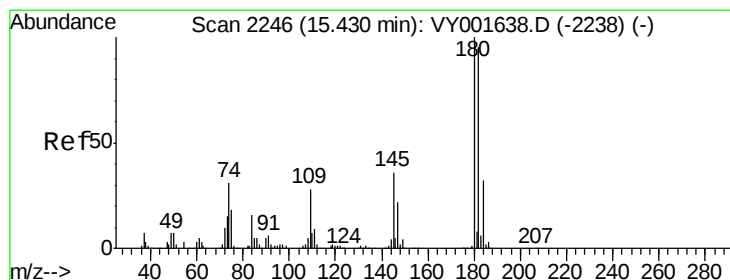
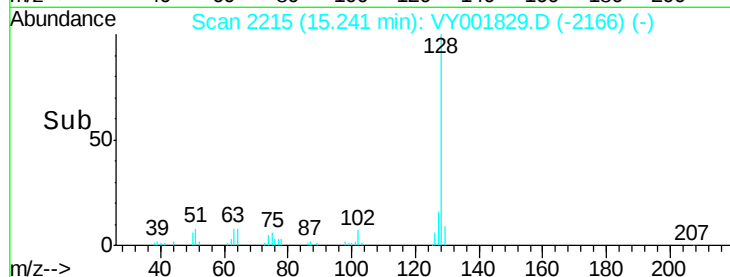
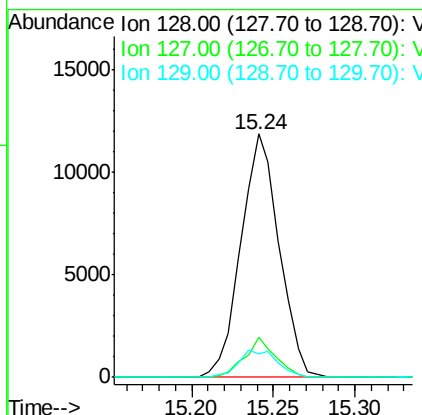
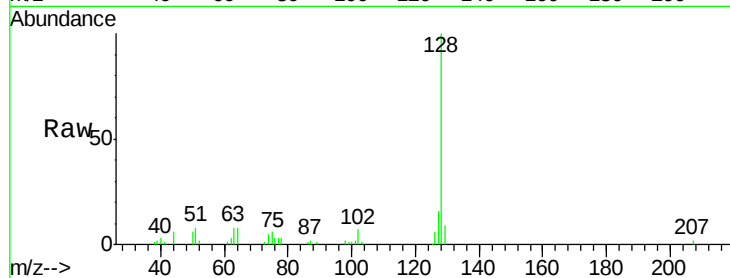
#95
Naphthalene
Concen: 3.325 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.9	14.9
129	11.1	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 3.550 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.4	47.2	141.6
145	35.0	17.3	52.0

