

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001836.D
 Acq On : 03 Mar 2020 15:42
 Operator : SY/MD
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
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 3/4/2020 2:02:12 PM

Quant Time: Mar 04 04:35:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 04:23:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	163335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	294110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	262783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	119144	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	90101	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
35) Dibromofluoromethane	7.74	113	81084	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	10.19	98	333273	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.48	95	116531	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	5465	3.432	ug/l	98
3) Chloromethane	2.12	50	6097	2.847	ug/l	98
4) Vinyl Chloride	2.26	62	5757	2.665	ug/l	99
5) Bromomethane	2.66	94	4513	3.343	ug/l	93
6) Chloroethane	2.81	64	3643	2.737	ug/l	90
7) Trichlorofluoromethane	3.15	101	9705	3.511	ug/l	93
8) Diethyl Ether	3.55	74	2961	2.717	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.92	101	5249	3.021	ug/l	98
10) Methyl Iodide	4.11	142	4148	1.951	ug/l	98
11) Tert butyl alcohol	4.97	59	7334m	30.084	ug/l	
12) 1,1-Dichloroethene	3.89	96	5071	2.861	ug/l	95
13) Acrolein	3.75	56	1868	10.528	ug/l	87
14) Allyl chloride	4.50	41	9017	2.859	ug/l	97
15) Acrylonitrile	5.19	53	7902	14.146	ug/l	98
16) Acetone	3.97	43	8378	13.782	ug/l	93
17) Carbon Disulfide	4.21	76	15131	2.557	ug/l	96
18) Methyl Acetate	4.50	43	6319	4.773	ug/l	94
19) Methyl tert-butyl Ether	5.25	73	13681	2.773	ug/l	98
20) Methylene Chloride	4.74	84	12839	5.946	ug/l #	91
21) trans-1,2-Dichloroethene	5.25	96	5549	2.744	ug/l	89
22) Diisopropyl ether	6.14	45	17918	2.766	ug/l	94
23) Vinyl Acetate	6.09	43	47246	11.182	ug/l	98
24) 1,1-Dichloroethane	6.04	63	9801	2.831	ug/l	96
25) 2-Butanone	7.01	43	11254	13.628	ug/l	95
26) 2,2-Dichloropropane	7.01	77	9286	3.083	ug/l	96
27) cis-1,2-Dichloroethene	7.01	96	5863	2.627	ug/l	89
28) Bromochloromethane	7.36	49	3939	2.731	ug/l	93
29) Tetrahydrofuran	7.37	42	7139	14.303	ug/l	97
30) Chloroform	7.53	83	9914	2.931	ug/l	98
31) Cyclohexane	7.81	56	13513	3.661	ug/l #	59
32) 1,1,1-Trichloroethane	7.73	97	7690	2.705	ug/l	96
36) 1,1-Dichloropropene	7.94	75	7620	2.712	ug/l	98
37) Ethyl Acetate	7.11	43	4866	2.902	ug/l #	79
38) Carbon Tetrachloride	7.92	117	6871	2.785	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	10184	2.732	ug/l	92
40) Benzene	8.18	78	23411	2.833	ug/l	97
41) Methacrylonitrile	7.33	41	1868	2.219	ug/l #	59
42) 1,2-Dichloroethane	8.26	62	6477	2.877	ug/l	88
43) Isopropyl Acetate	8.29	43	8596	2.702	ug/l	99
44) Trichloroethene	8.96	130	5519	2.676	ug/l	93
45) 1,2-Dichloropropane	9.23	63	5828	2.817	ug/l	92
46) Dibromomethane	9.32	93	2962	2.737	ug/l	94
47) Bromodichloromethane	9.51	83	7100	2.718	ug/l #	99
48) Methyl methacrylate	9.31	41	3954	2.748	ug/l	98
49) 1,4-Dioxane	9.31	88	769	50.307	ug/l #	87
51) 4-Methyl-2-Pentanone	10.08	43	21531	13.172	ug/l	98
52) Toluene	10.25	92	14450	2.804	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	6950	2.407	ug/l #	85
54) cis-1,3-Dichloropropene	9.94	75	8433	2.537	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	4160	2.607	ug/l	95
56) Ethyl methacrylate	10.52	69	6239	2.606	ug/l	98
57) 1,3-Dichloropropane	10.80	76	7883	2.780	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	13461	13.464	ug/l	100
59) 2-Hexanone	10.84	43	14638	11.935	ug/l	97
60) Dibromochloromethane	10.99	129	4410	2.506	ug/l	98
61) 1,2-Dibromoethane	11.10	107	3936	2.608	ug/l	91
64) Tetrachloroethene	10.73	164	5042	3.056	ug/l	94
65) Chlorobenzene	11.52	112	14463	2.757	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	4561	2.577	ug/l	99
67) Ethyl Benzene	11.60	91	26515	2.723	ug/l	93
68) m/p-Xylenes	11.71	106	19817	5.449	ug/l	97
69) o-Xylene	12.03	106	9825	2.842	ug/l	95
70) Styrene	12.05	104	15511	2.581	ug/l	98
71) Bromoform	12.22	173	2496	2.468	ug/l #	95
73) Isopropylbenzene	12.33	105	24841	2.737	ug/l	98
74) N-amyl acetate	12.15	43	8145	2.812	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	5471	2.823	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	3904m	2.856	ug/l	
77) Bromobenzene	12.61	156	5574	2.833	ug/l	89
78) n-propylbenzene	12.68	91	30102	2.723	ug/l	99
79) 2-Chlorotoluene	12.77	91	17096	2.757	ug/l	96
80) 1,3,5-Trimethylbenzene	12.82	105	20795	2.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	1673m	2.322	ug/l	
82) 4-Chlorotoluene	12.86	91	17487	2.674	ug/l	99
83) tert-Butylbenzene	13.08	119	17222	2.741	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	20135	2.688	ug/l	99
85) sec-Butylbenzene	13.26	105	25378	2.746	ug/l	100
86) p-Isopropyltoluene	13.37	119	21670	2.699	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	10291	2.697	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	10804	2.801	ug/l	86
89) n-Butylbenzene	13.70	91	21715	2.647	ug/l	100
90) Hexachloroethane	13.97	117	3781	2.499	ug/l	93
91) 1,2-Dichlorobenzene	13.75	146	9617	2.731	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.36	75	732	2.289	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	6390	2.738	ug/l	98
94) Hexachlorobutadiene	15.12	225	3082	2.655	ug/l	92
95) Naphthalene	15.24	128	13443	2.498	ug/l	97
96) 1,2,3-Trichlorobenzene	15.44	180	5331	2.597	ug/l	96

(#) = 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: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:168 Resp: 163335

Ion Ratio Lower Upper

168 100

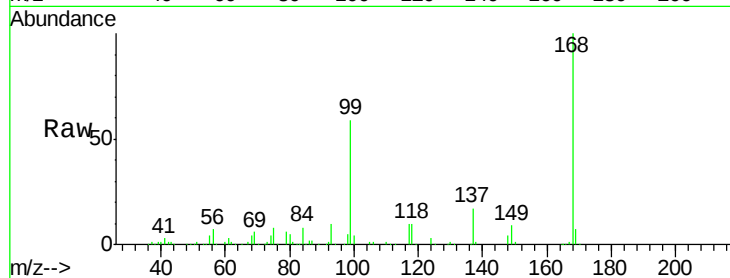
99 58.9 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001836.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001836.D (-948) (-)

7.81

80000

60000

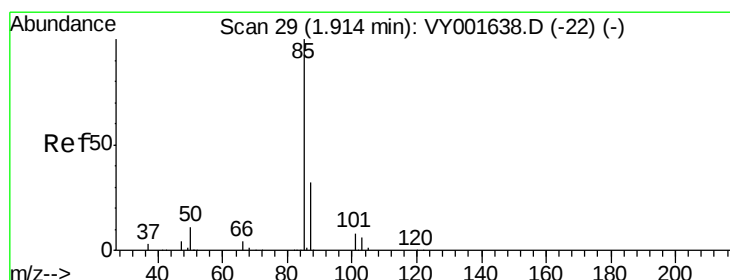
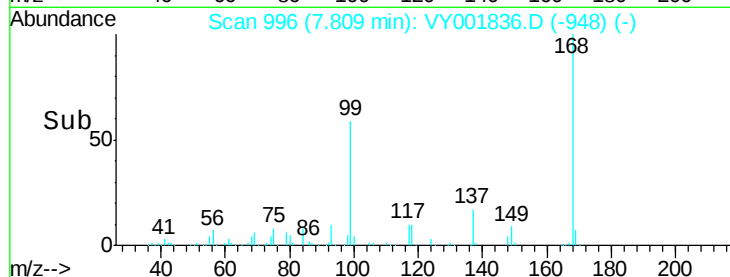
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 3.432 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY001836.D

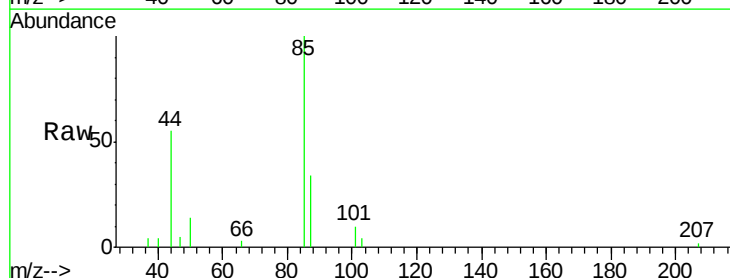
Acq: 03 Mar 2020 15:42

Tgt Ion: 85 Resp: 5465

Ion Ratio Lower Upper

85 100

87 33.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001836.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001836.D (-1) (-)

1.91

4000

3000

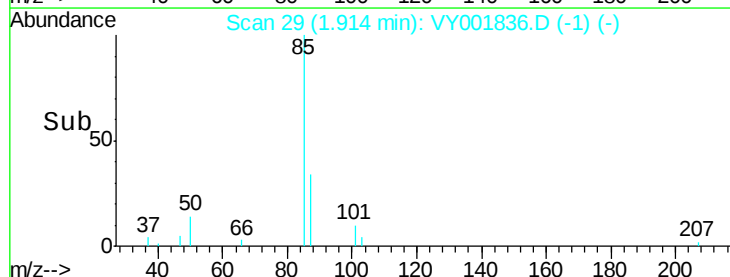
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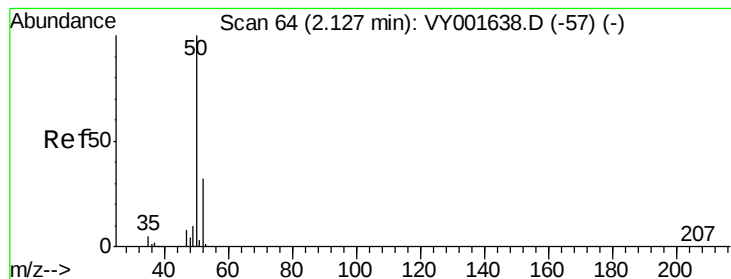
1000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 2.847 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 50 Resp: 6097

Ion Ratio Lower Upper

50 100

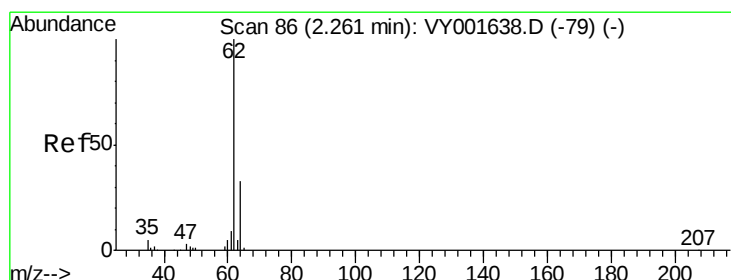
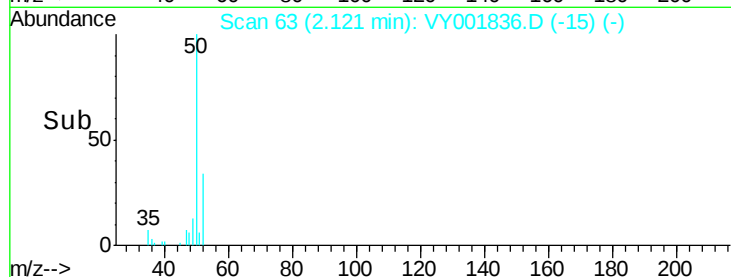
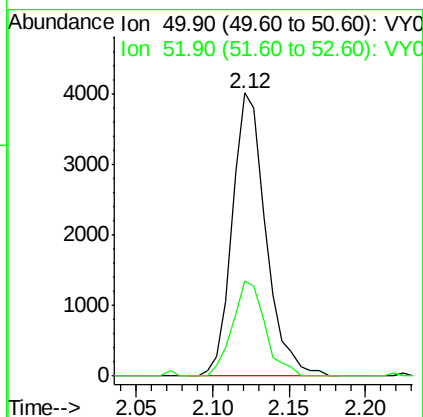
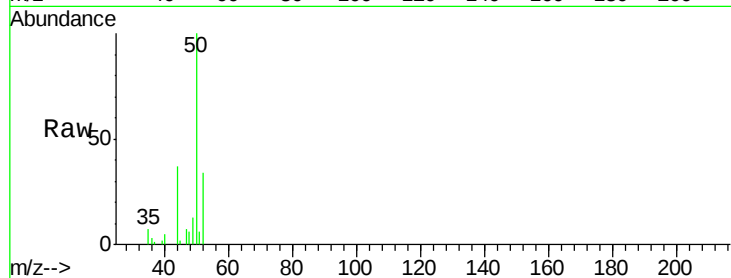
52 33.6 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.665 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY001836.D

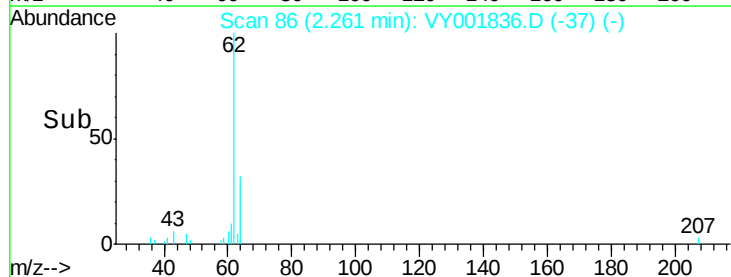
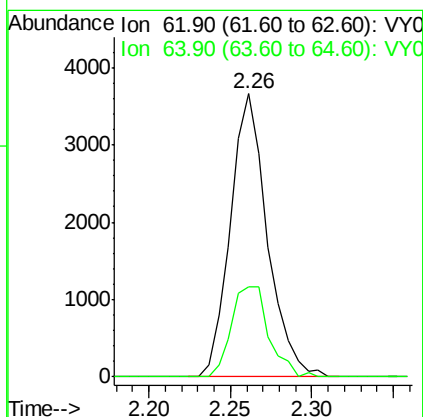
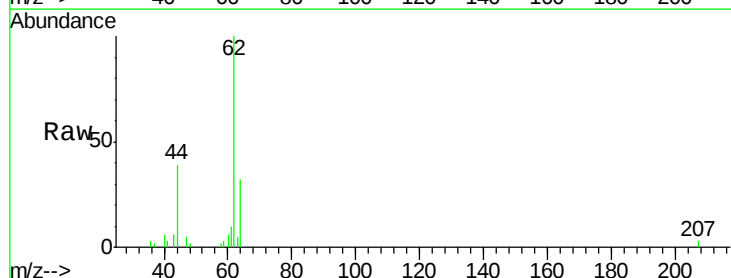
Acq: 03 Mar 2020 15:42

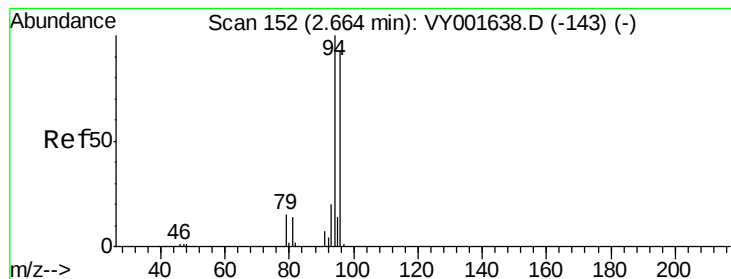
Tgt Ion: 62 Resp: 5757

Ion Ratio Lower Upper

62 100

64 31.9 24.9 37.3





#5

Bromomethane

Concen: 3.343 ug/l

RT: 2.66 min Scan# 152

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

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LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 94 Resp: 4513

Ion Ratio Lower Upper

94 100

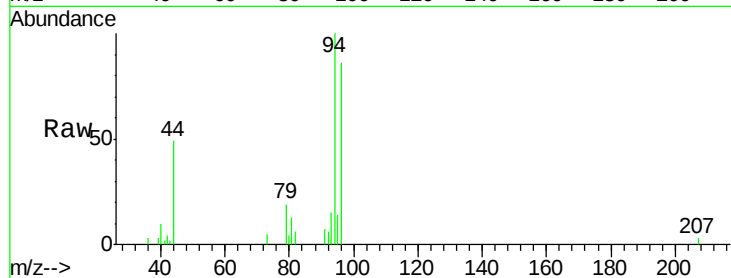
96 85.8 73.7 110.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

2500

2000

1500

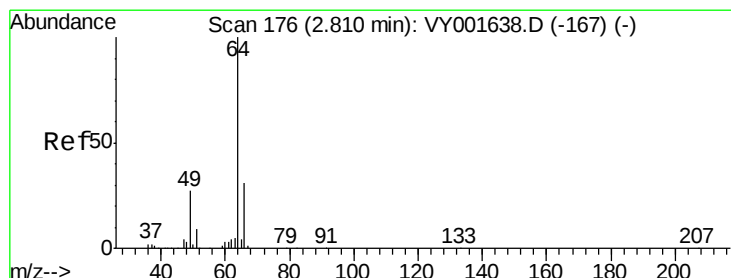
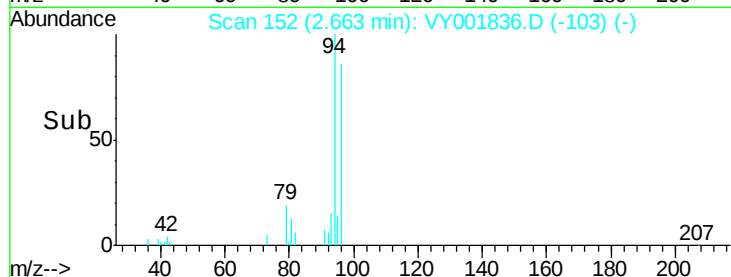
1000

500

0

Time-->

2.60 2.65 2.70 2.75



#6

Chloroethane

Concen: 2.737 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.00 min

Lab File: VY001836.D

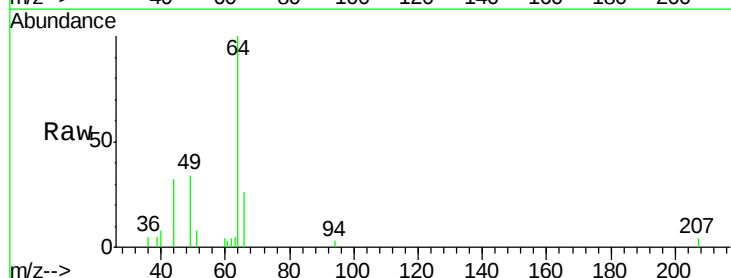
Acq: 03 Mar 2020 15:42

Tgt Ion: 64 Resp: 3643

Ion Ratio Lower Upper

64 100

66 26.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.81

2000

1500

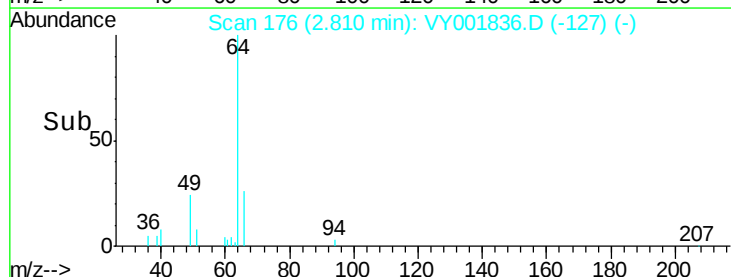
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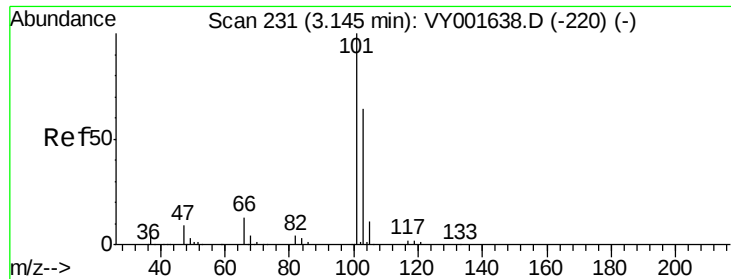
500

0

Time-->

2.75 2.80 2.85





#7

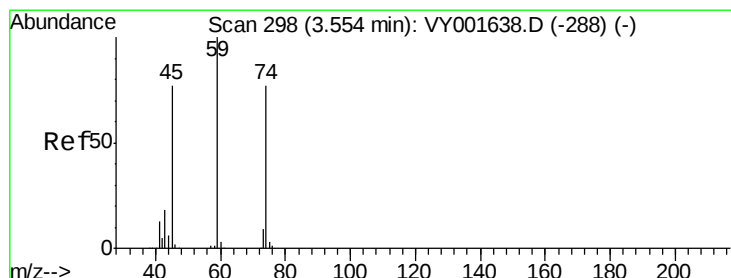
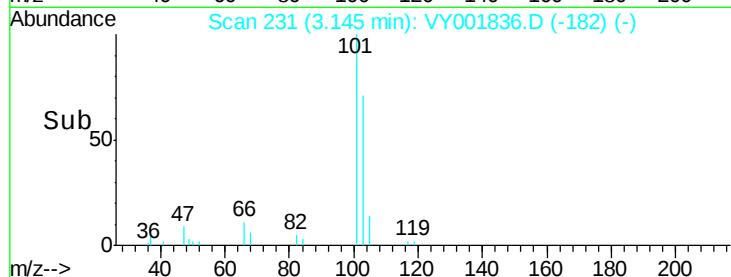
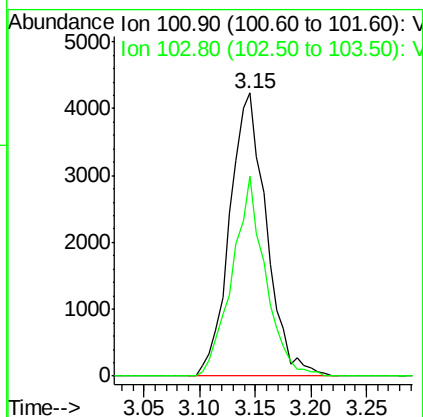
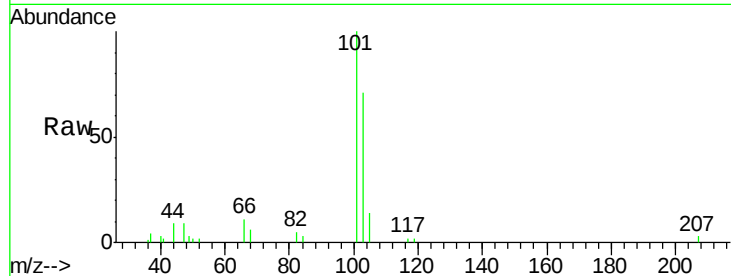
Trichlorofluoromethane
Concen: 3.511 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.00 min
Lab File: VY001836.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	70.9	52.2	78.2

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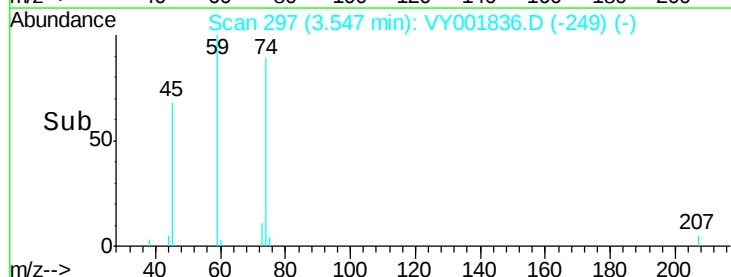
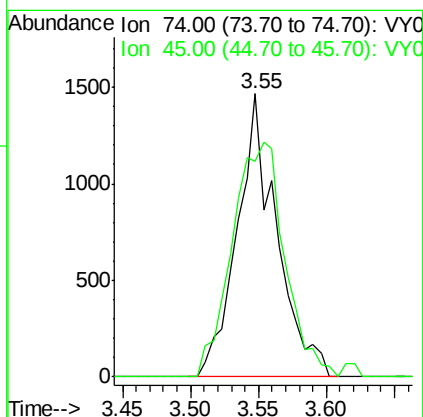
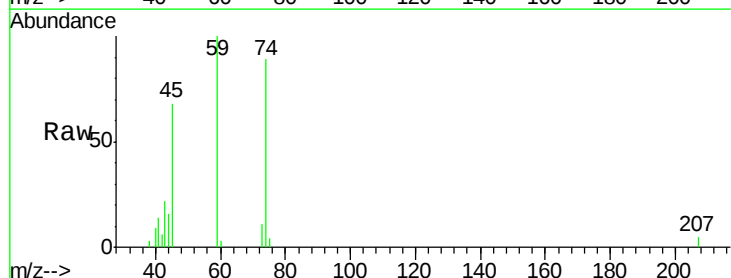
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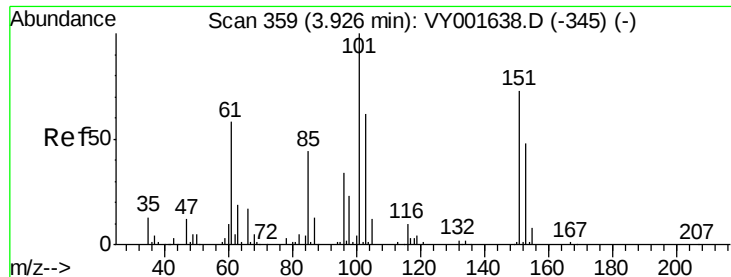


#8

Diethyl Ether
Concen: 2.717 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.1	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.021 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

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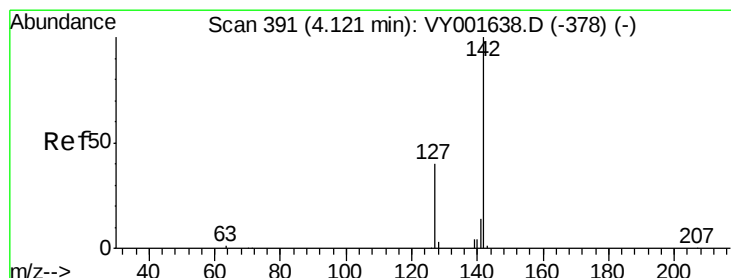
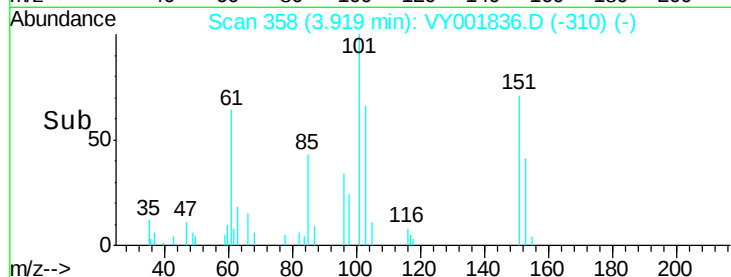
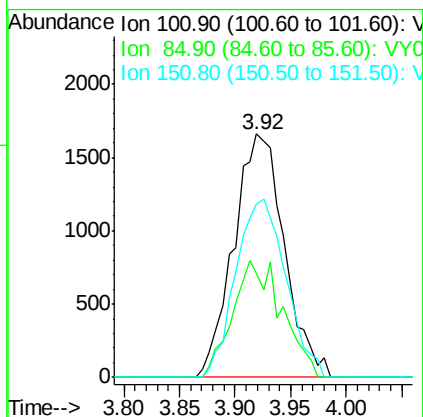
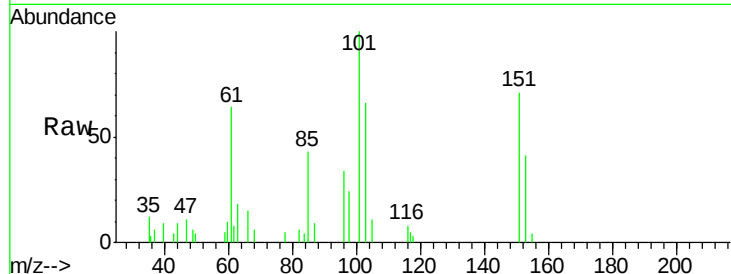
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	101	Resp:	5249
Ion Ratio	Lower	Upper	
101	100		
85	46.8	35.1	52.7
151	72.5	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 1.951 ug/l

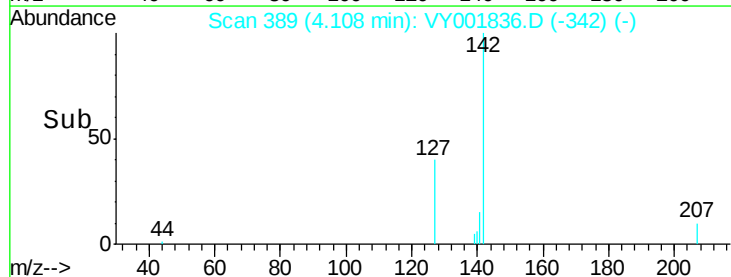
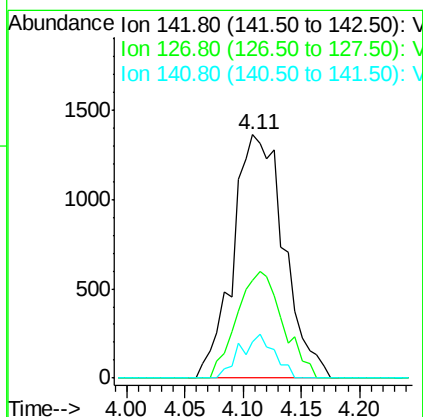
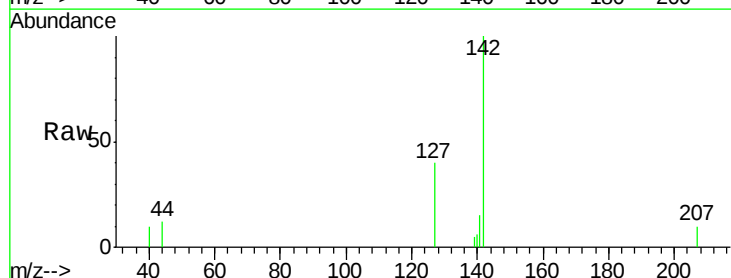
RT: 4.11 min Scan# 389

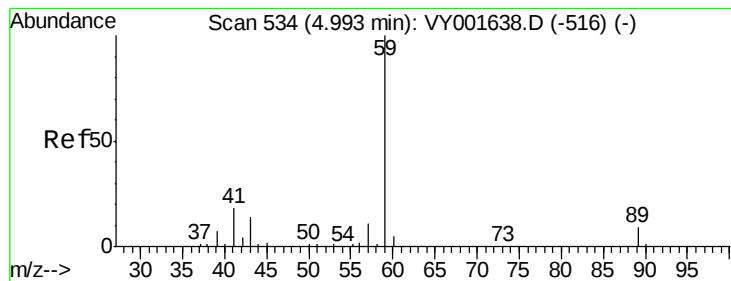
Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Tgt Ion:	142	Resp:	4148
Ion Ratio	Lower	Upper	
142	100		
127	39.6	32.1	48.1
141	12.2	11.3	16.9





#11

Tert butyl alcohol

Concen: 30.084 ug/l m

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 59 Resp: 7334

Ion Ratio Lower Upper

59 100

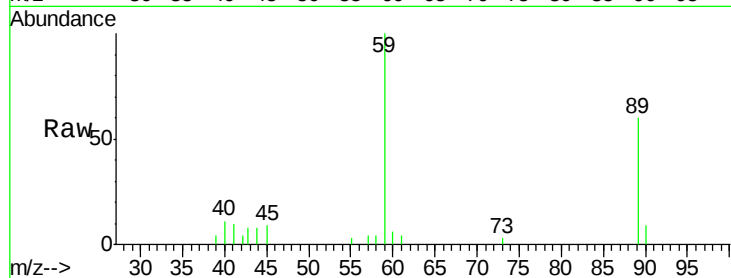
57 2.9 7.4 11.2#

Manual Integrations

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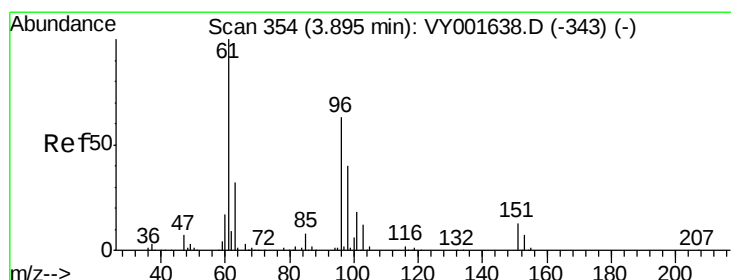
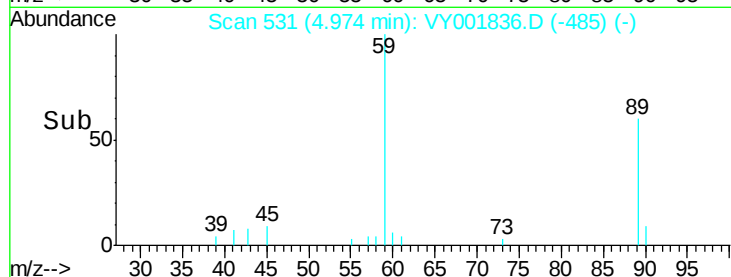
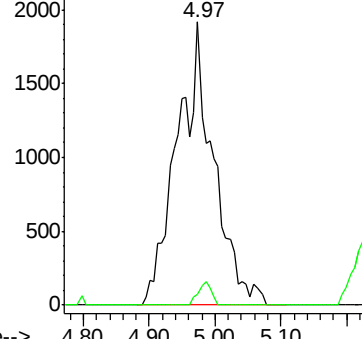
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Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#12

1,1-Dichloroethene

Concen: 2.861 ug/l

RT: 3.89 min Scan# 354

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

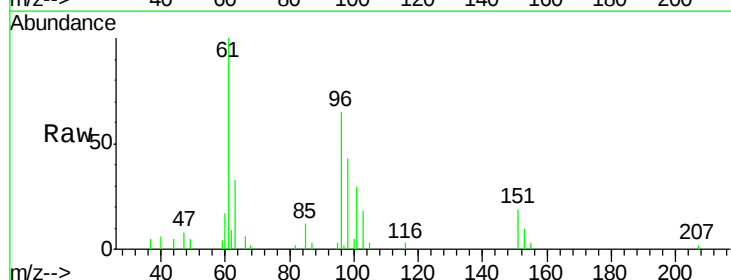
Tgt Ion: 96 Resp: 5071

Ion Ratio Lower Upper

96 100

61 154.6 128.7 193.1

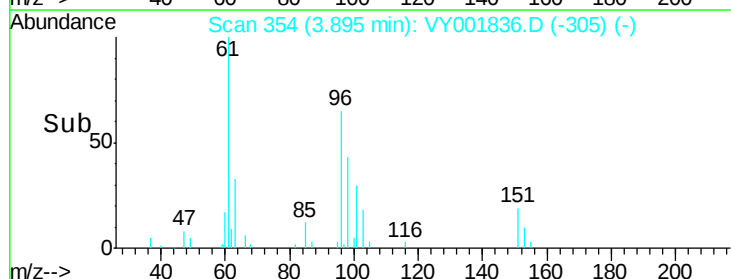
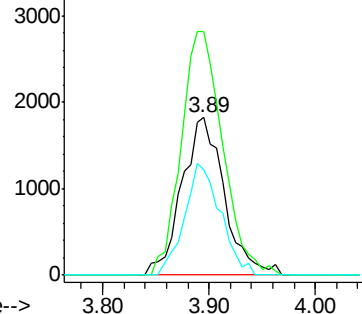
98 67.2 50.7 76.1

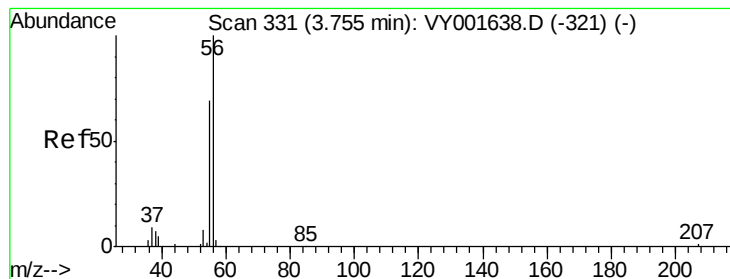


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#13

Acrolein

Concen: 10.528 ug/l

RT: 3.75 min Scan# 331

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 56 Resp: 1868

Ion Ratio Lower Upper

56 100

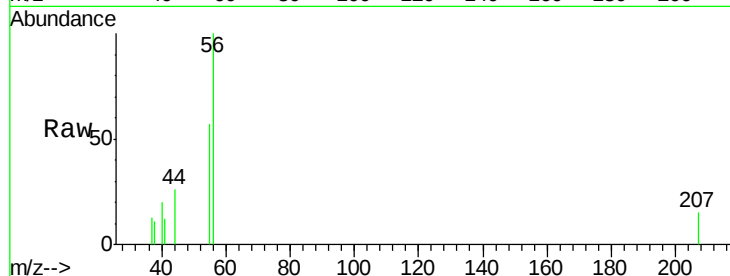
55 59.3 56.1 84.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VY001836.D (-321) (-)

Ion 55.00 (54.70 to 55.70): VY001836.D (-321) (-)

3.75

600

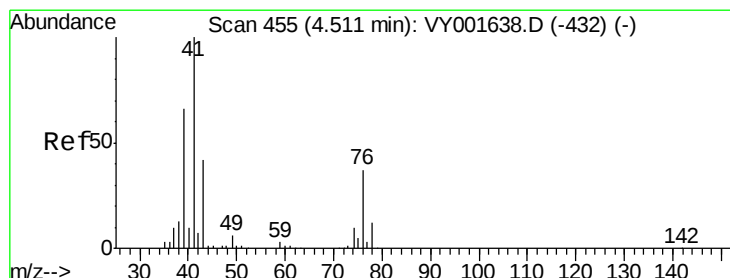
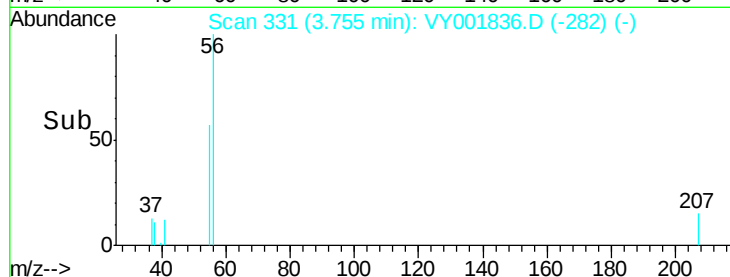
400

200

0

3.65 3.70 3.75 3.80 3.85

Time-->



#14

Allyl chloride

Concen: 2.859 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

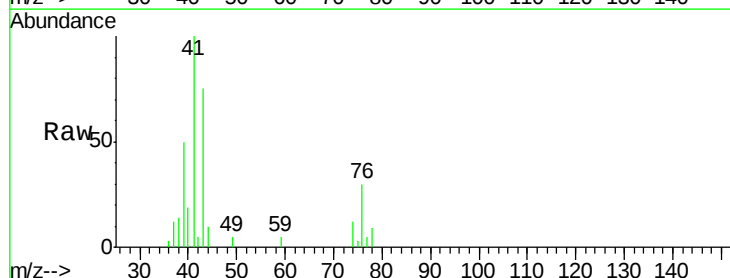
Tgt Ion: 41 Resp: 9017

Ion Ratio Lower Upper

41 100

39 64.3 49.4 74.0

76 35.1 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VY001836.D (-432) (-)

Ion 39.00 (38.70 to 39.70): VY001836.D (-432) (-)

Ion 75.90 (75.60 to 76.60): VY001836.D (-432) (-)

4.50

4000

3000

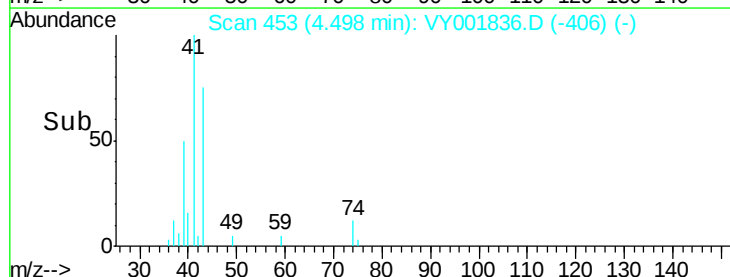
2000

1000

0

4.40 4.50 4.60

Time-->





#15

Acrylonitrile

Concen: 14.146 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

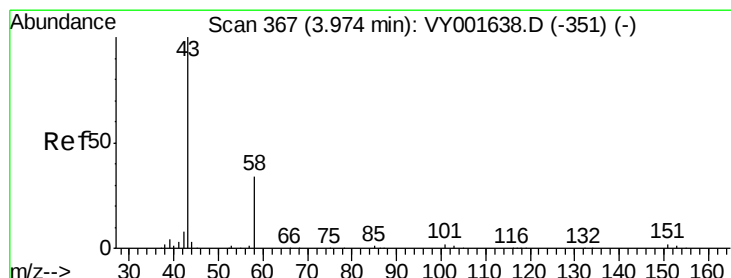
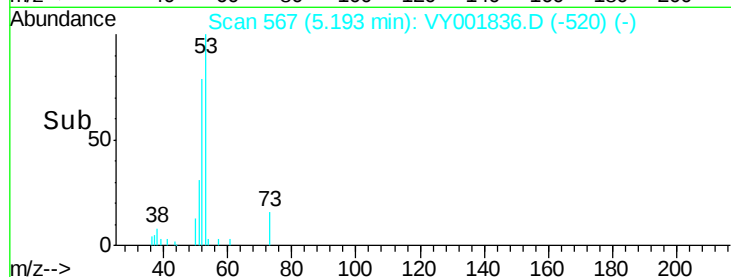
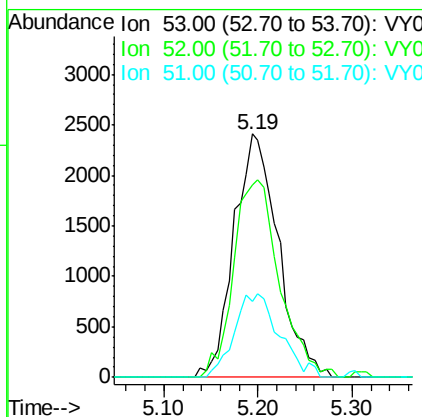
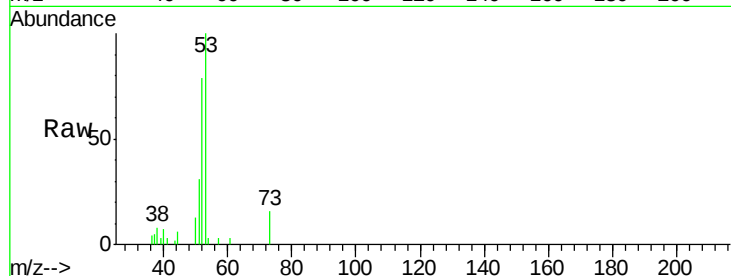
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	53	Resp:	7902
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.4	98.0
51	35.1	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 13.782 ug/l

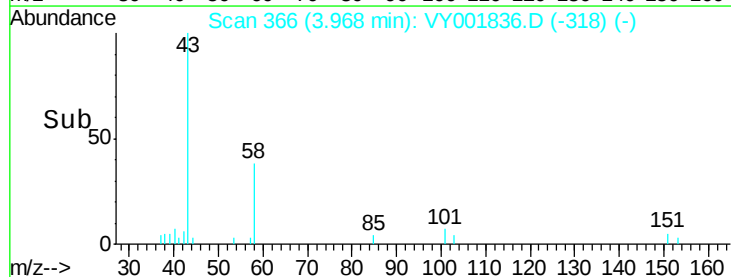
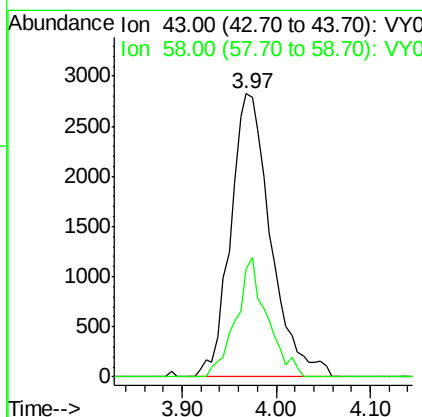
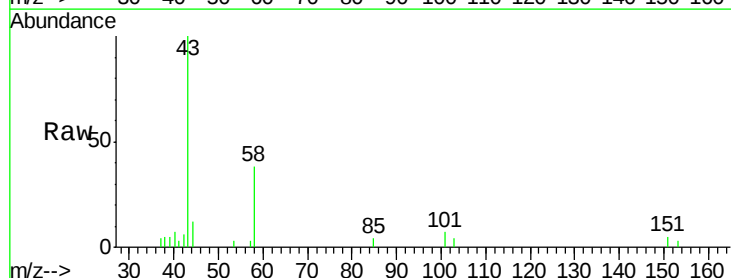
RT: 3.97 min Scan# 366

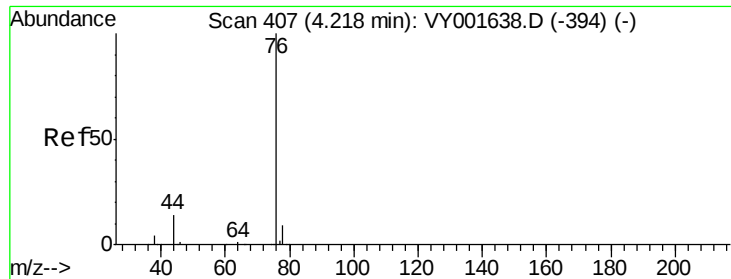
Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Tgt Ion:	43	Resp:	8378
Ion	Ratio	Lower	Upper
43	100		
58	38.4	27.3	40.9





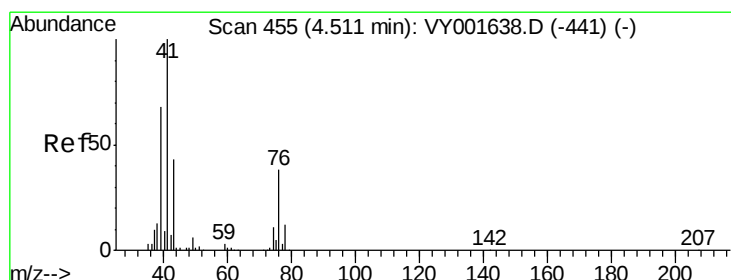
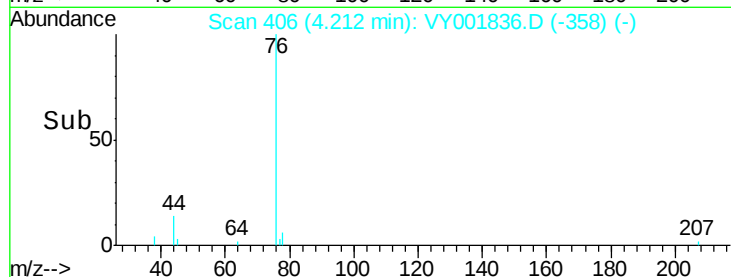
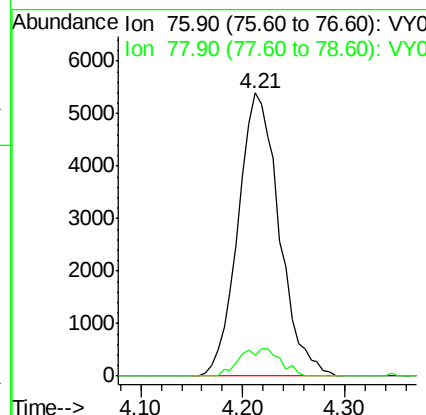
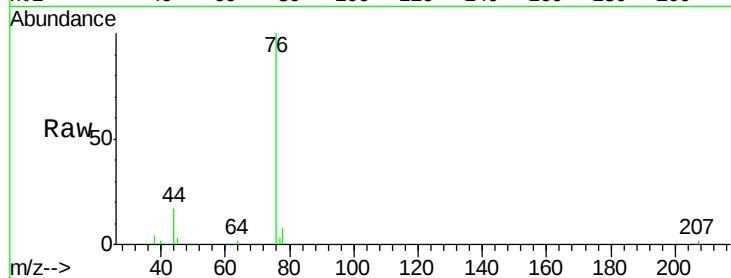
#17
Carbon Disulfide
Concen: 2.557 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.6	7.3	10.9

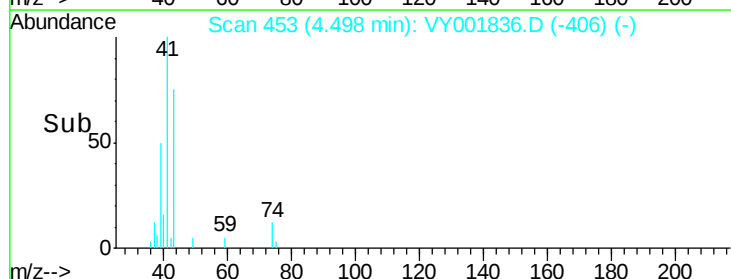
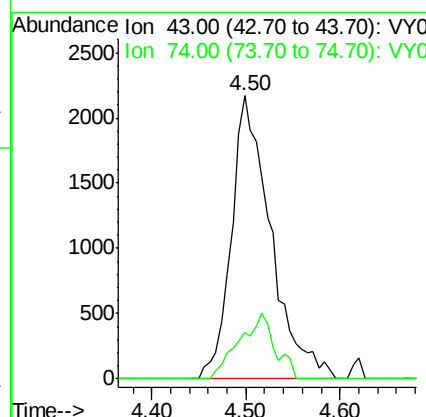
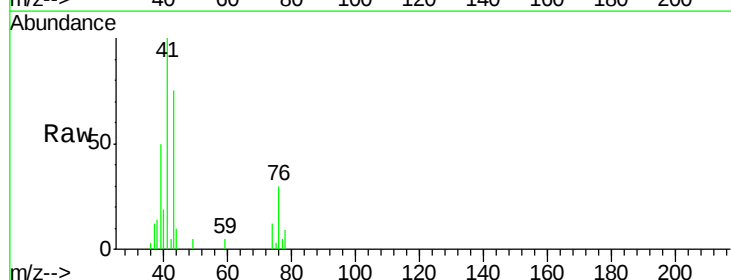
Manual Integrations
APPROVED

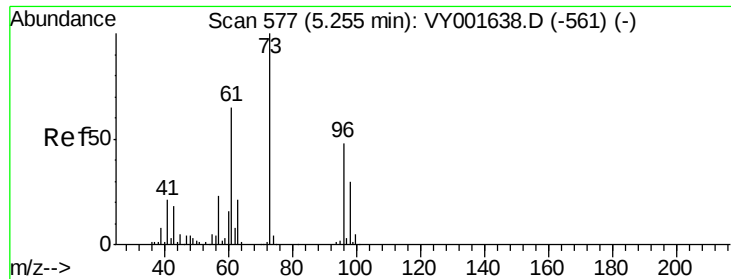
MMDadoda
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#18
Methyl Acetate
Concen: 4.773 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	19.1	28.7





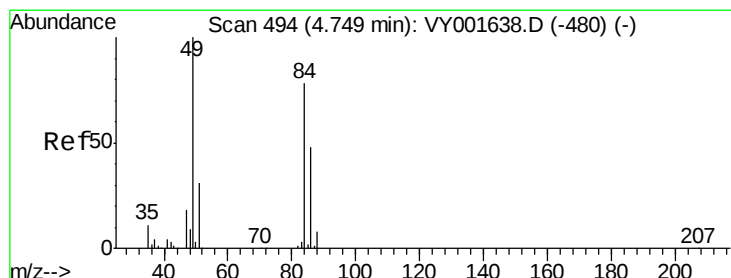
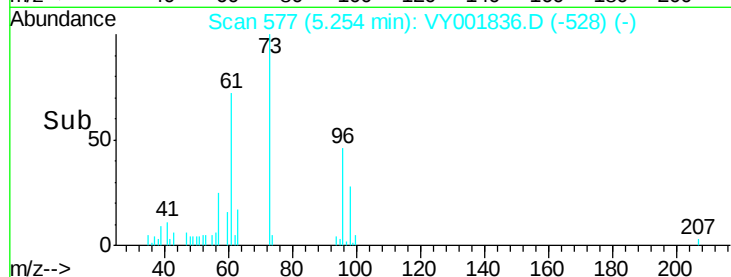
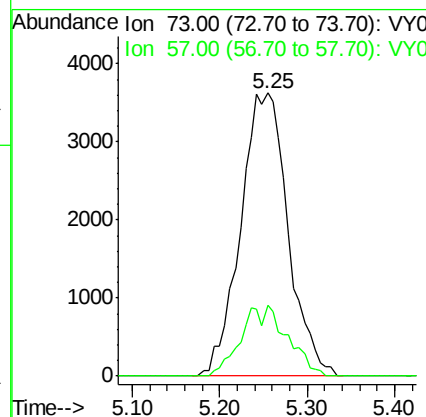
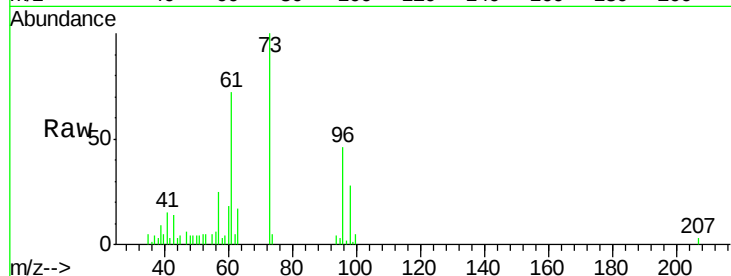
#19
Methvl tert-butvl Ether
Concen: 2.773 ug/l
RT: 5.25 min Scan# 577
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion: 73 Resp: 13681
Ion Ratio Lower Upper
73 100
57 25.0 19.0 28.6

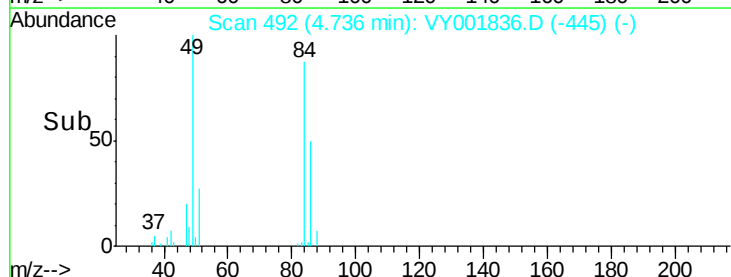
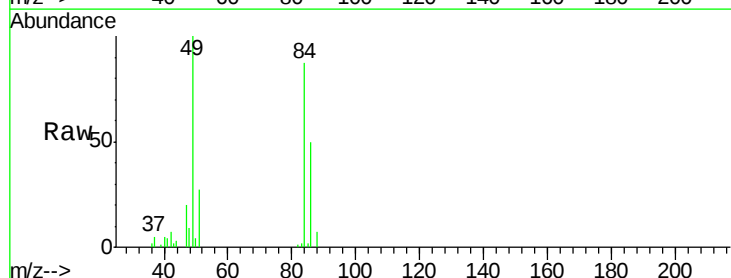
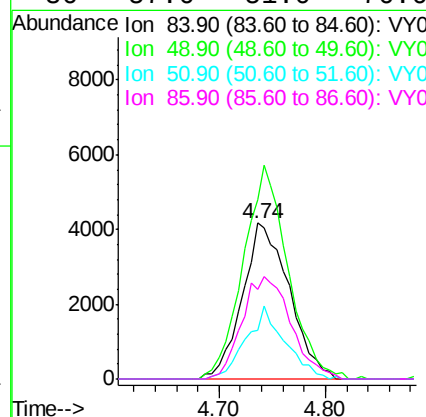
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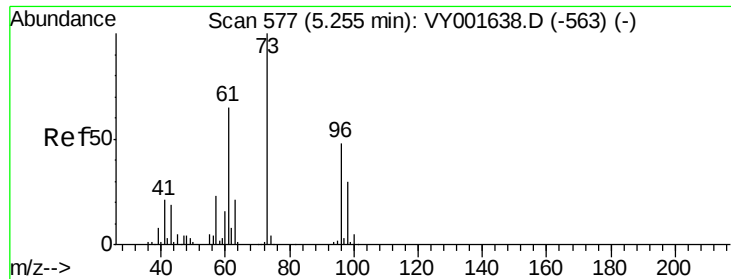
MMDadoda
3/4/2020 2:02:12 PM



#20
Methylene Chloride
Concen: 5.946 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 84 Resp: 12839
Ion Ratio Lower Upper
84 100
49 114.9 99.2 148.8
51 31.5 31.5 47.3#
86 57.6 51.0 76.6





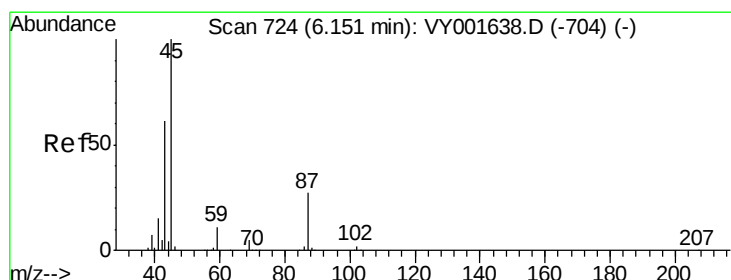
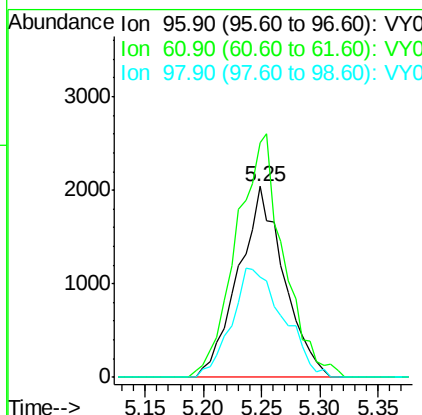
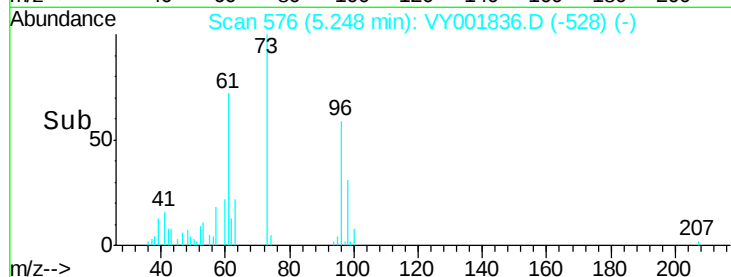
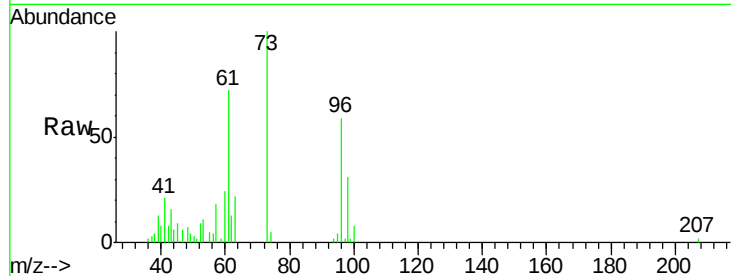
#21
trans-1,2-Dichloroethene
Concen: 2.744 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.3	107.9	161.9
98	52.5	49.8	74.8

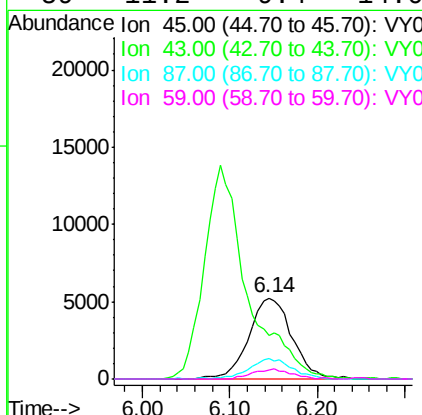
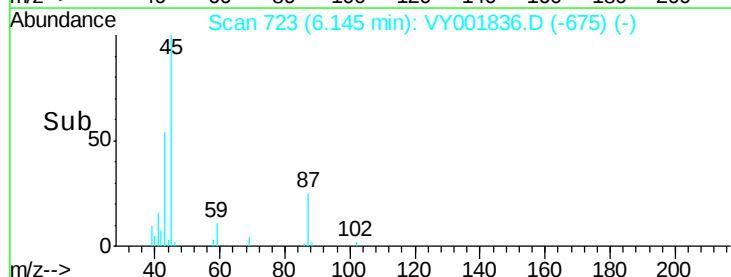
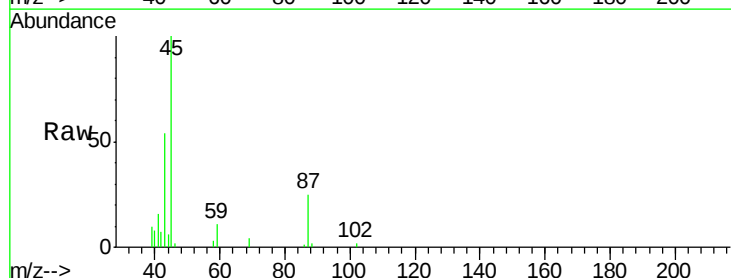
Manual Integrations
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#22
Diisopropyl ether
Concen: 2.766 ug/l
RT: 6.14 min Scan# 723
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.2	46.4	69.6
87	24.8	22.1	33.1
59	11.2	9.4	14.0





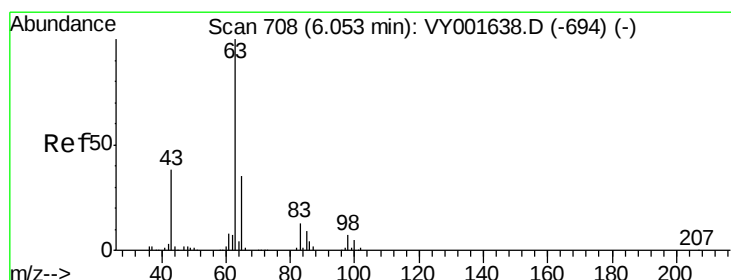
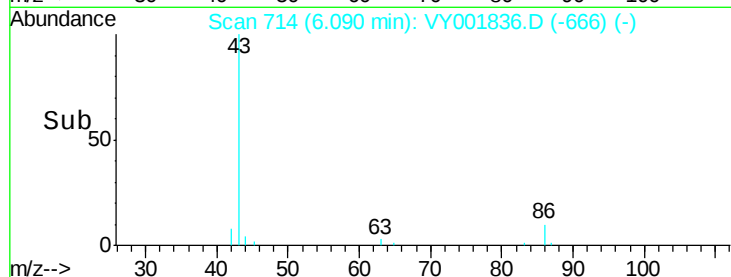
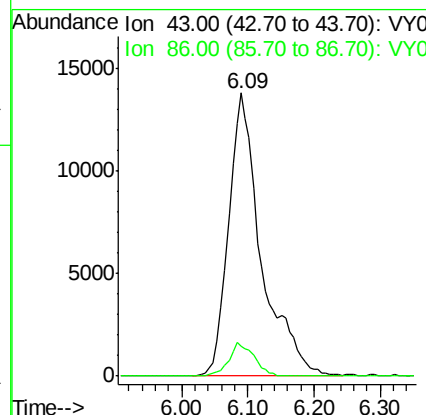
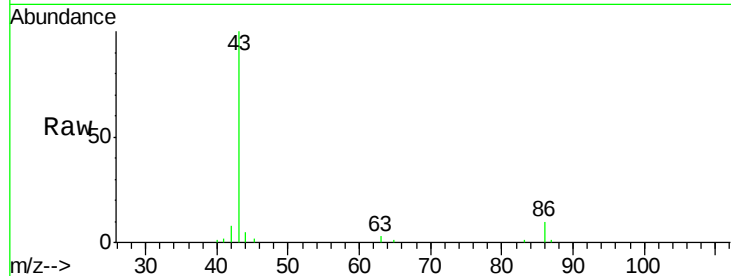
#23
 Vinyl Acetate
 Concen: 11.182 ug/l
 RT: 6.09 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

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

Tot Ion	43	Resp	47246
Ion Ratio	100	Lower	Upper
43	100		
86	10.4	8.8	13.2

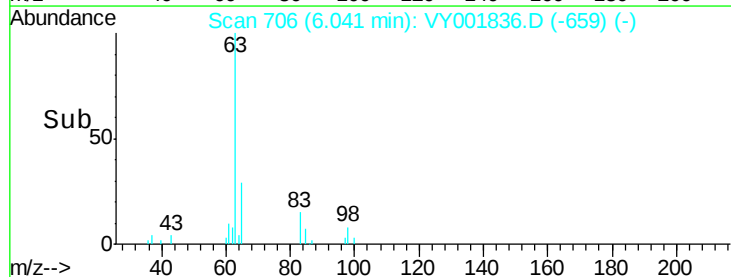
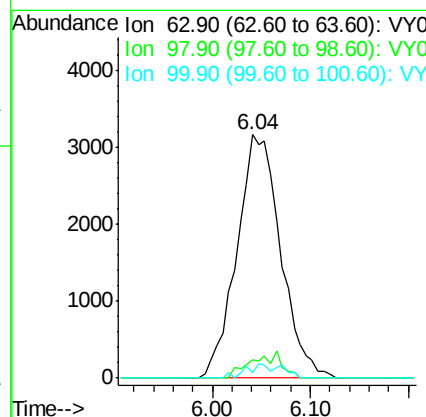
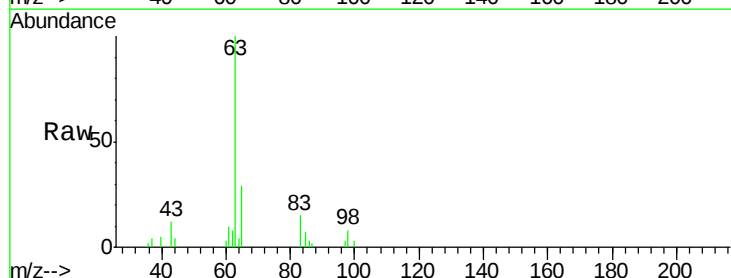
Manual Integrations
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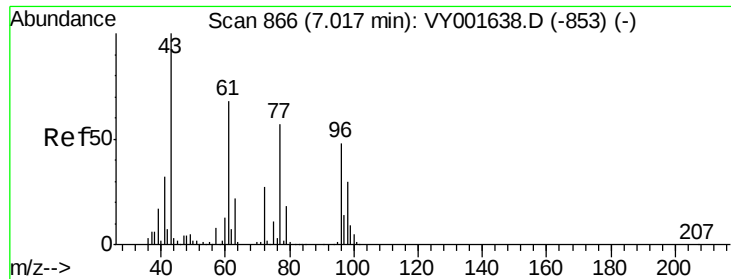
MMDadoda
 3/4/2020 2:02:12 PM



#24
 1,1-Dichloroethane
 Concen: 2.831 ug/l
 RT: 6.04 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion	63	Resp	9801
Ion Ratio	100	Lower	Upper
63	100		
98	7.8	3.4	10.2
100	2.5	2.3	6.9





#25

2-Butanone

Concen: 13.628 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 11254

Ion Ratio Lower Upper

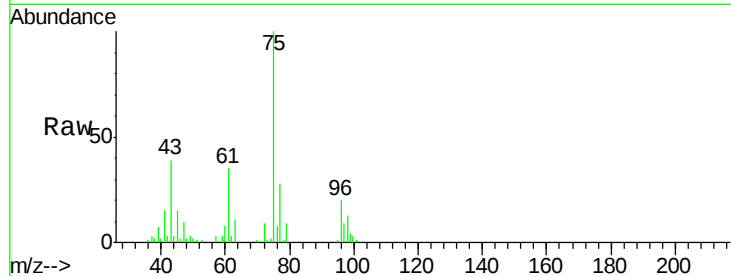
43 100

72 24.1 21.2 31.8

Manual Integrations
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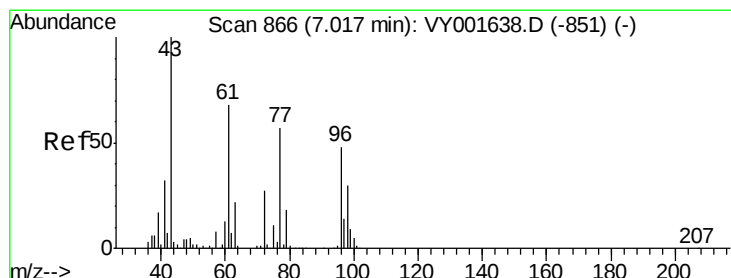
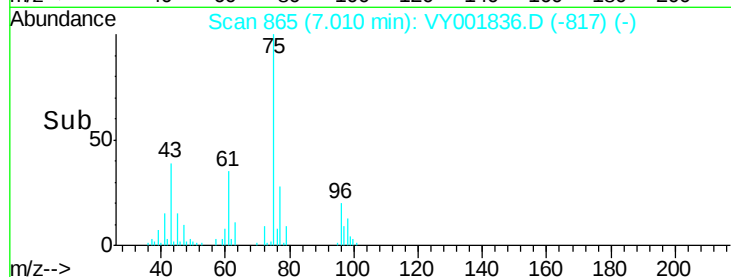
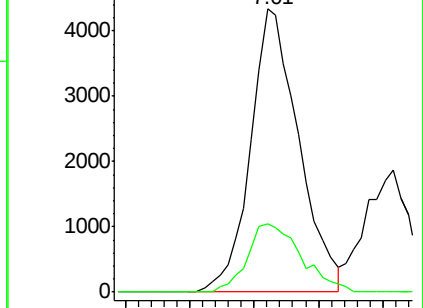
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 3.083 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001836.D

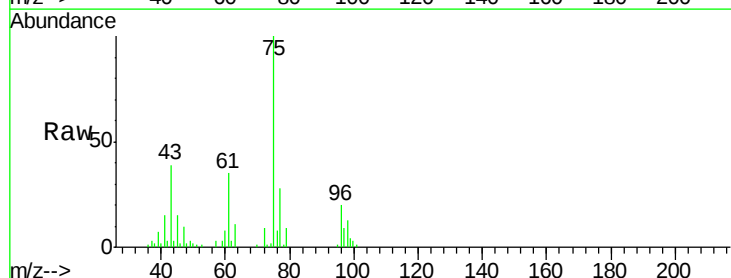
Acq: 03 Mar 2020 15:42

Tgt Ion: 77 Resp: 9286

Ion Ratio Lower Upper

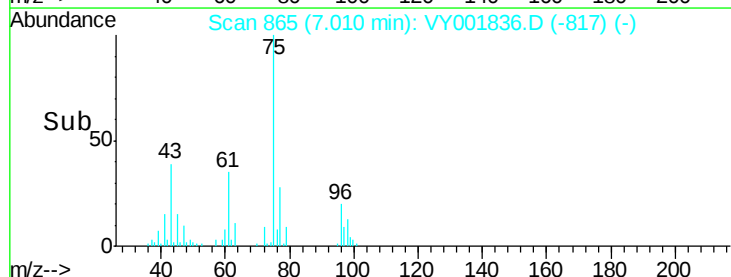
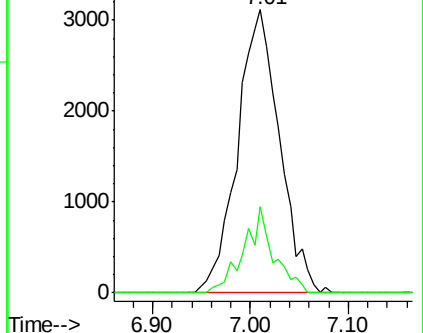
77 100

97 21.6 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

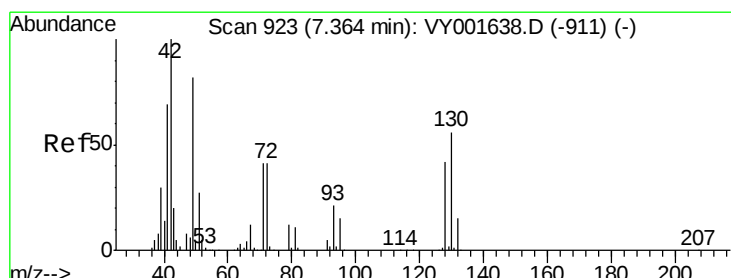
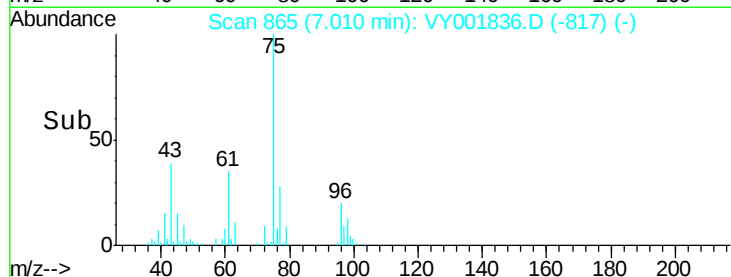
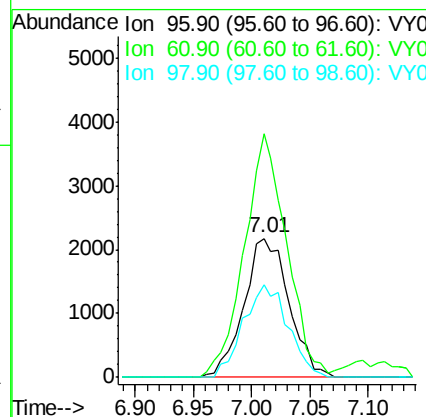
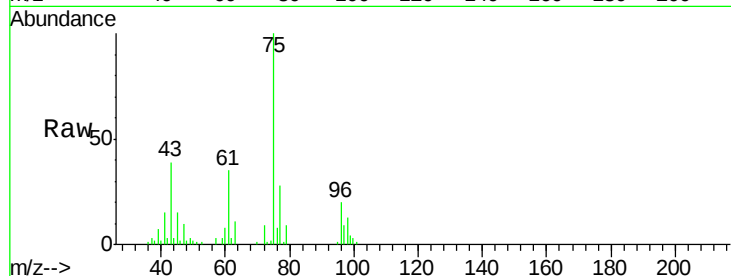
cis-1,2-Dichloroethene
Concen: 2.627 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.5	0.0	290.8
98	65.9	0.0	128.6

Manual Integrations
APPROVED

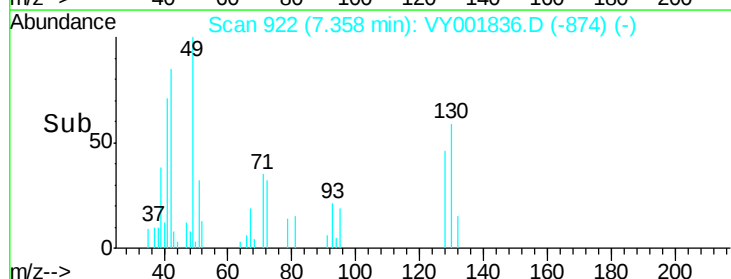
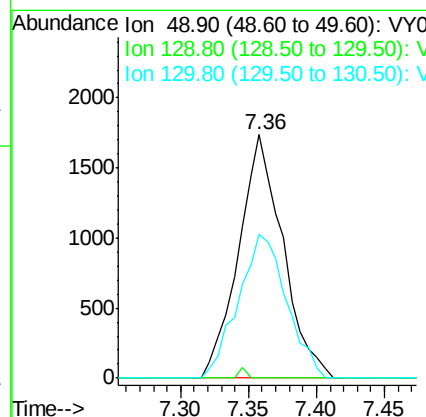
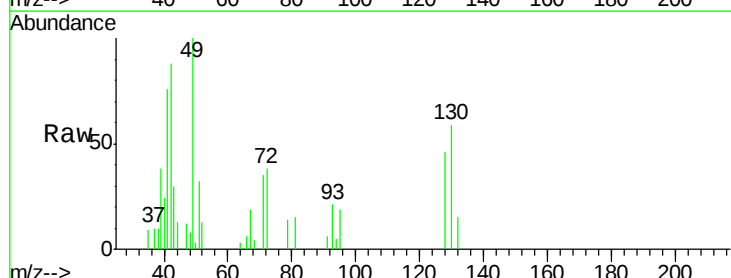
MMDadoda
3/4/2020 2:02:12 PM

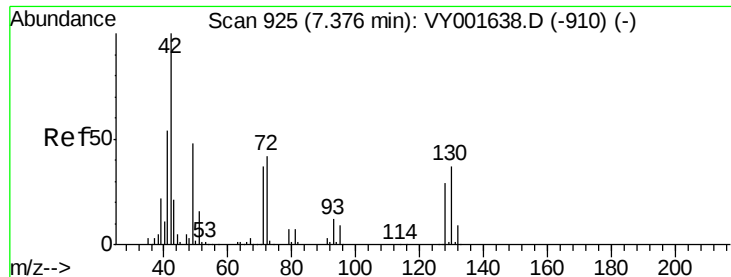


#28

Bromochloromethane
Concen: 2.731 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.6
130	64.6	56.2	84.4





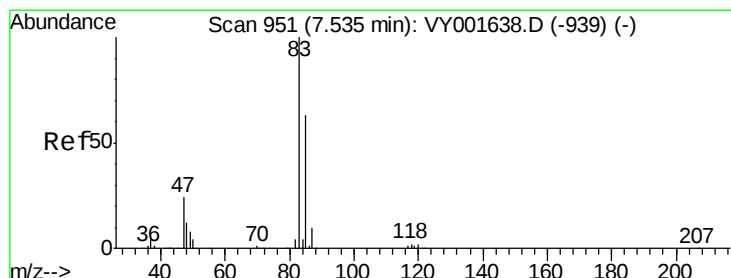
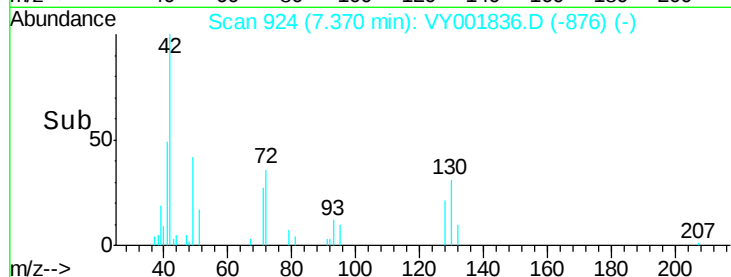
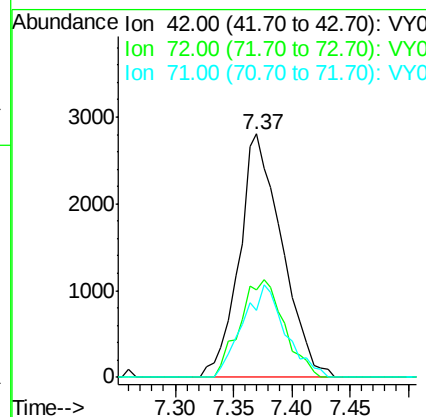
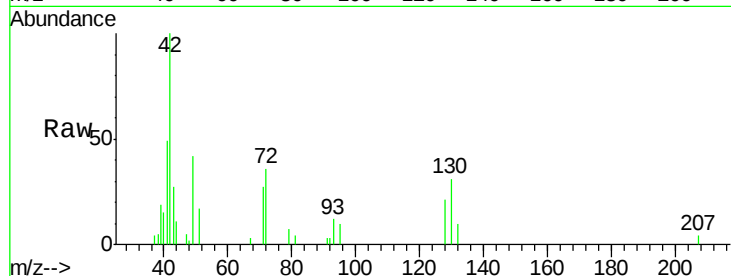
#29
Tetrahydrofuran
Concen: 14.303 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	34.4	51.6
71	37.9	31.8	47.8

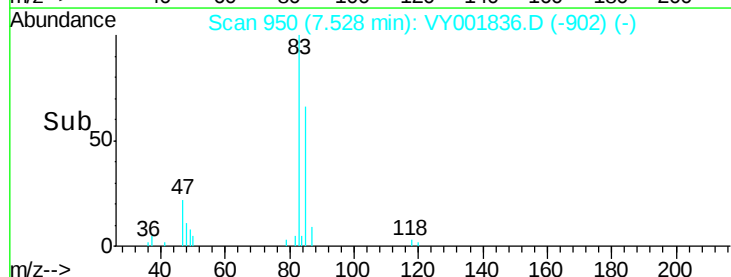
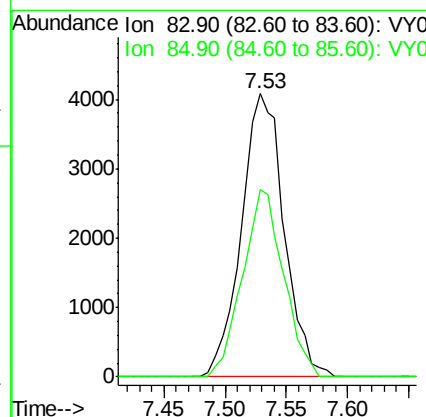
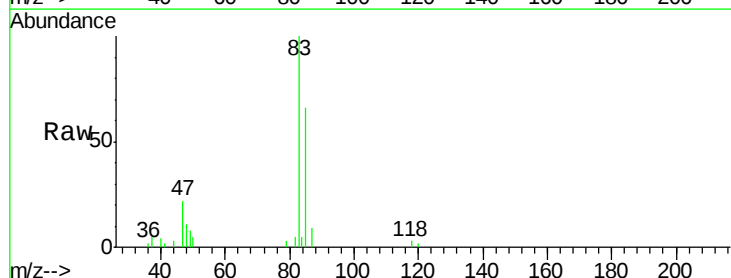
Manual Integrations
APPROVED

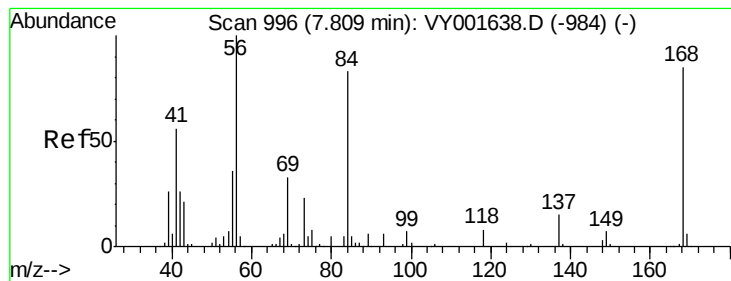
MMDadoda
3/4/2020 2:02:12 PM



#30
Chloroform
Concen: 2.931 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.6	77.4





#31

Cyclohexane

Concen: 3.661 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

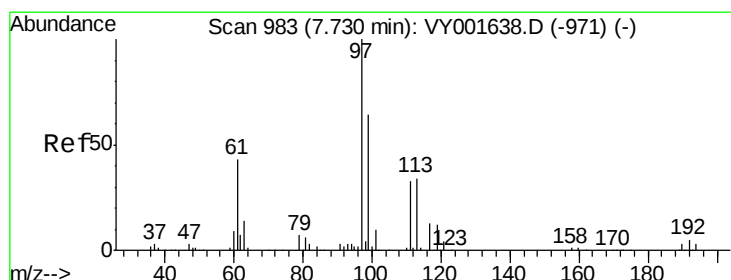
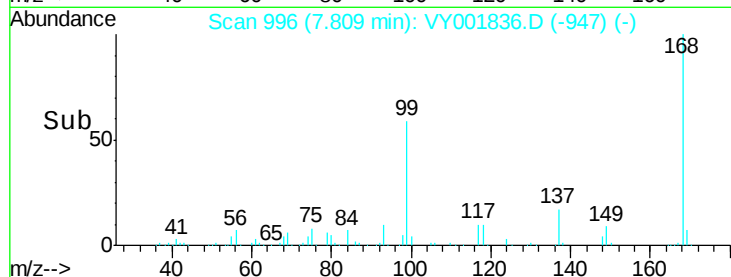
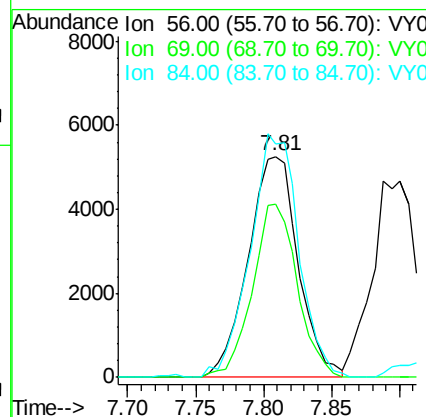
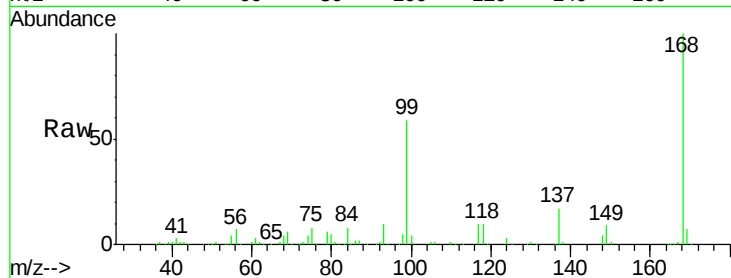
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	56	Resp:	13513
Ion Ratio	Lower	Upper	
56	100		
69	78.2	25.1	37.7#
84	105.8	66.9	100.3#

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:02:12 PM



#32

1,1,1-Trichloroethane

Concen: 2.705 ug/l

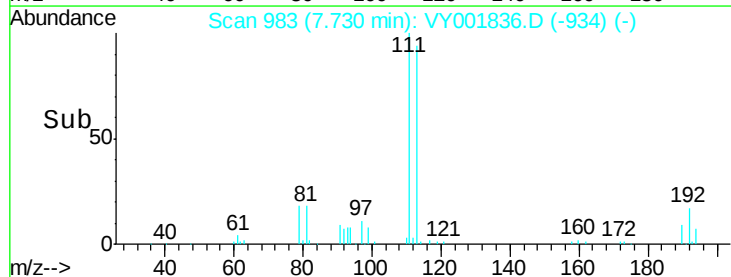
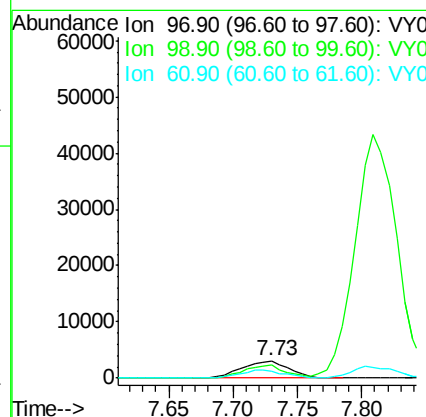
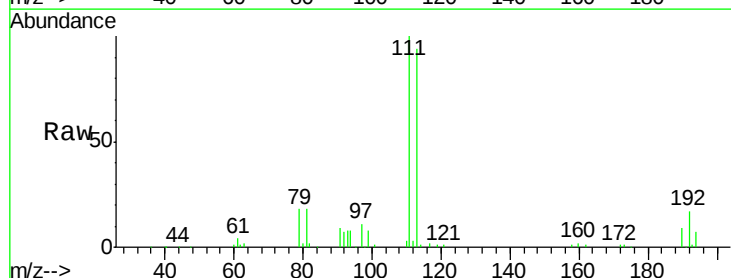
RT: 7.73 min Scan# 983

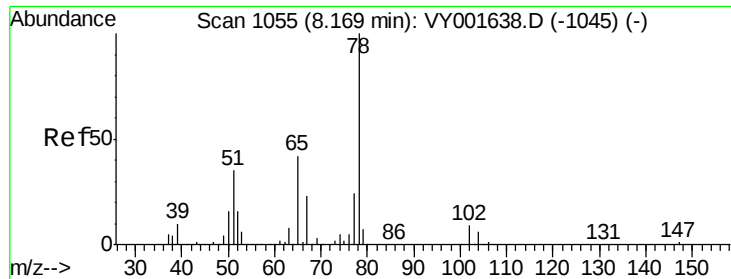
Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Tgt Ion:	97	Resp:	7690
Ion Ratio	Lower	Upper	
97	100		
99	67.3	51.2	76.8
61	46.8	35.0	52.6





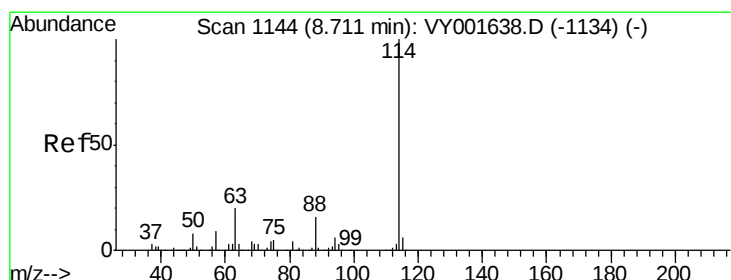
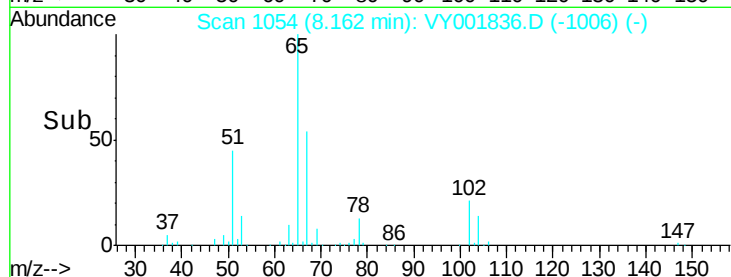
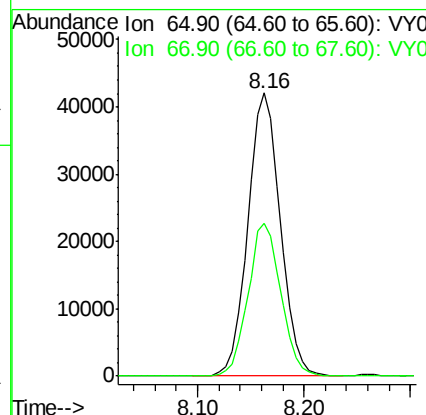
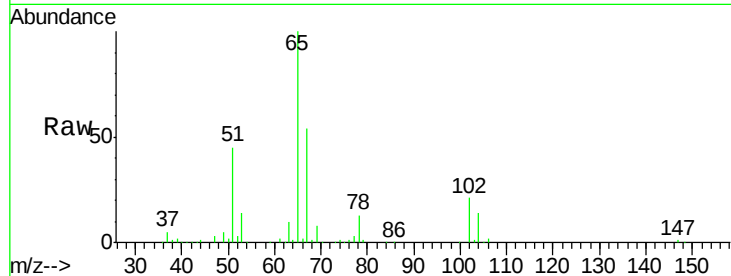
#33
 1,2-Dichloroethane-d4
 Concen: 51.284 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	111.0

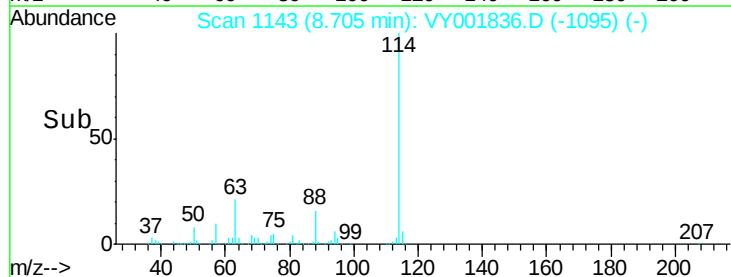
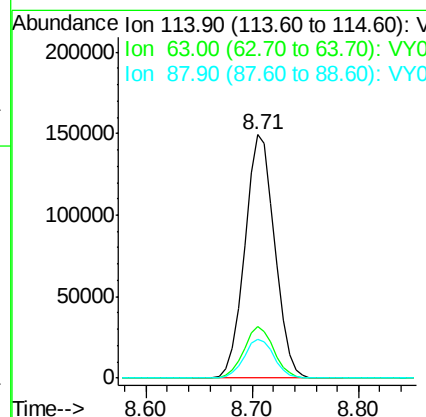
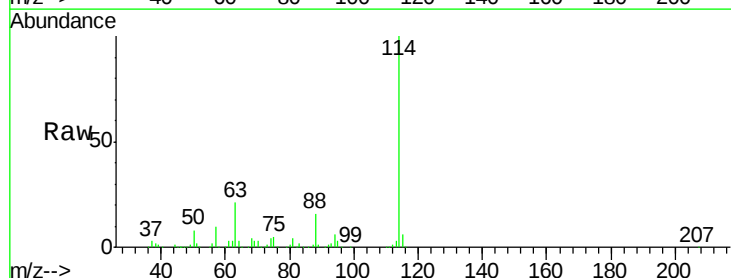
Manual Integrations
 APPROVED

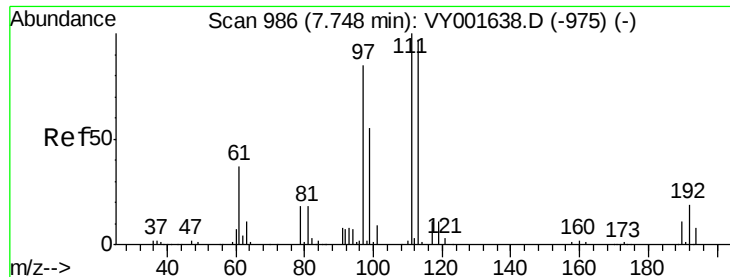
MMDadoda
 3/4/2020 2:02:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.4
88	16.0	0.0	32.8





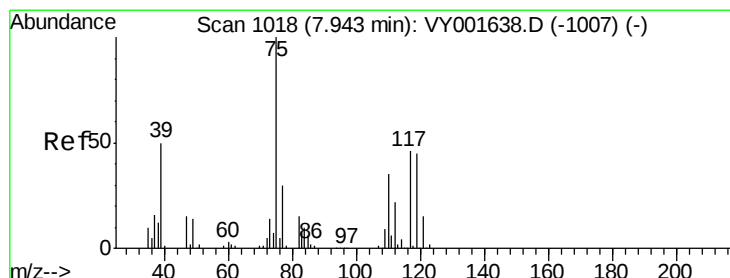
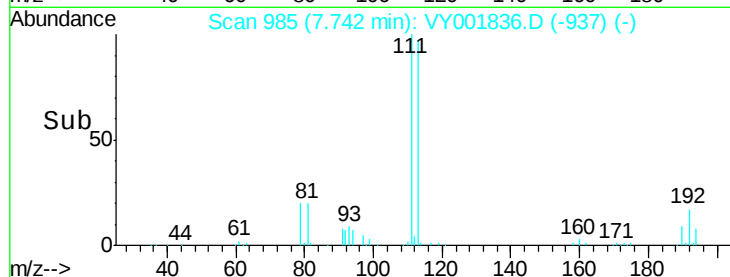
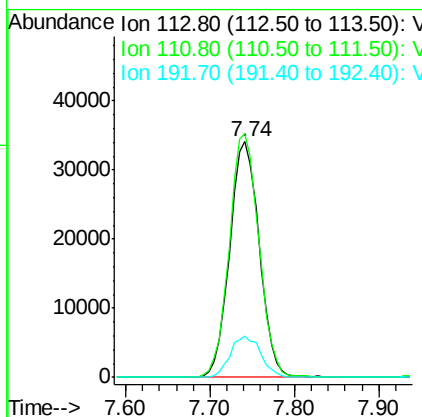
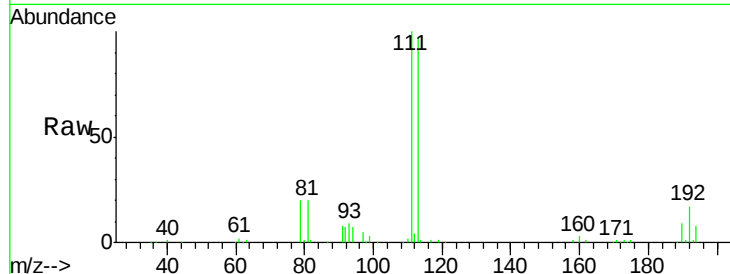
#35
Dibromofluoromethane
Concen: 48.134 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.9	122.9
192	18.0	14.3	21.5

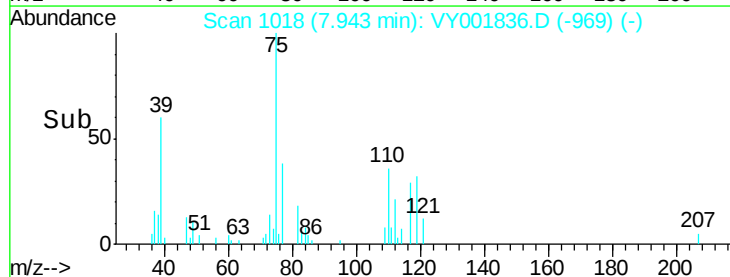
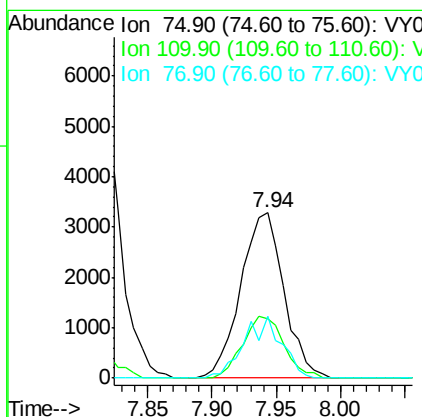
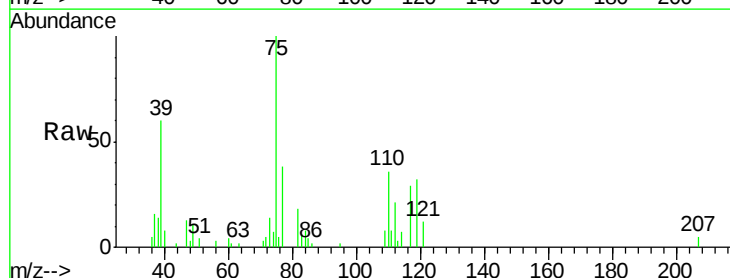
Manual Integrations
APPROVED

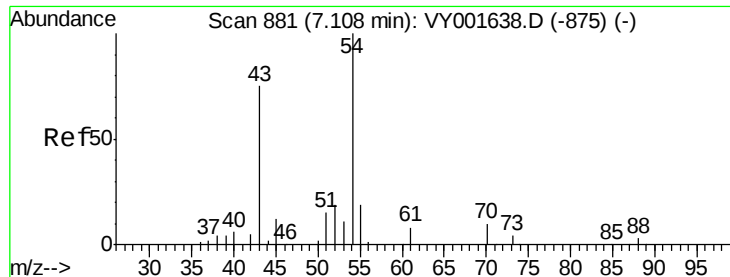
MMDadoda
3/4/2020 2:02:12 PM



#36
1,1-Dichloropropene
Concen: 2.712 ug/l
RT: 7.94 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.2	51.6
77	32.4	24.8	37.2





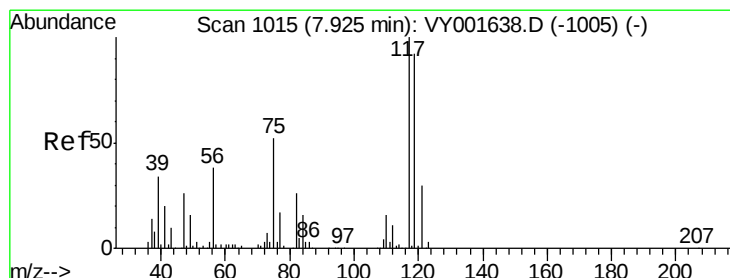
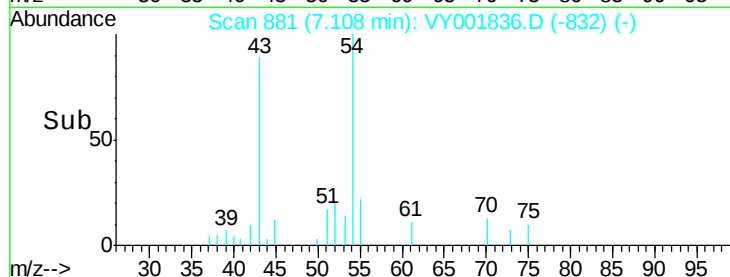
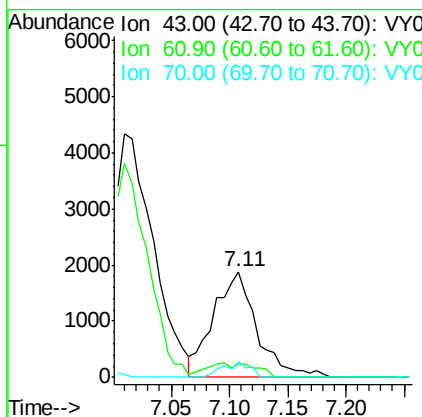
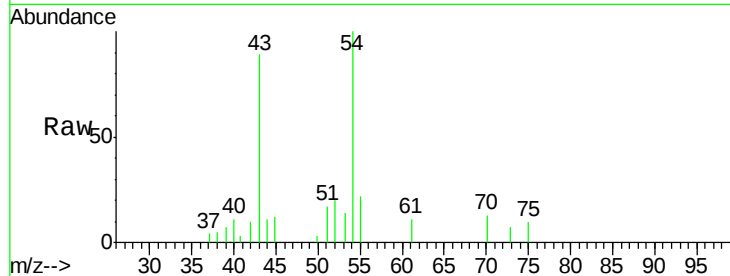
#37
Ethyl Acetate
Concen: 2.902 ug/l
RT: 7.11 min Scan# 881
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.6#
70	8.9	8.8	13.2

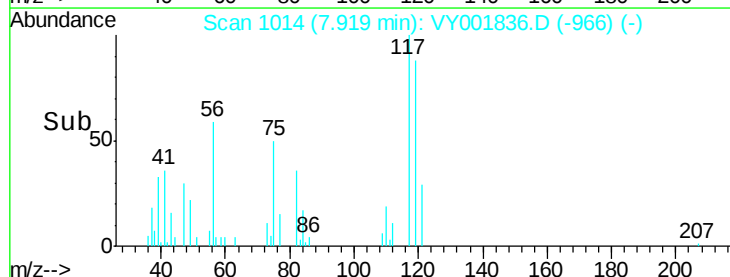
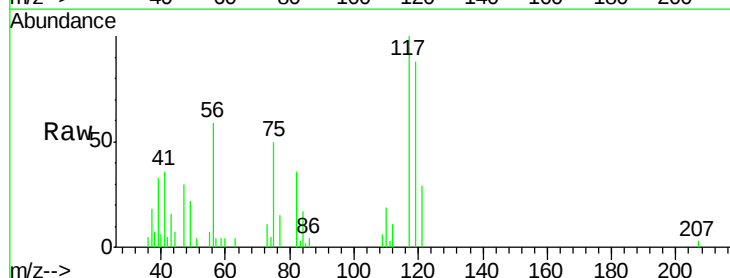
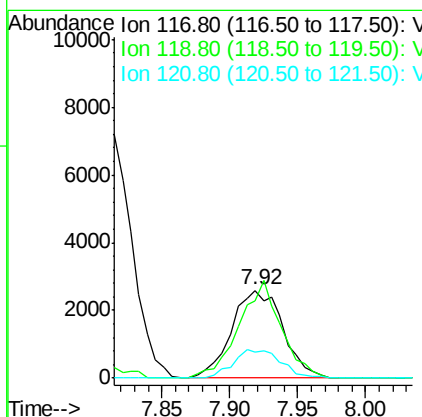
Manual Integrations
APPROVED

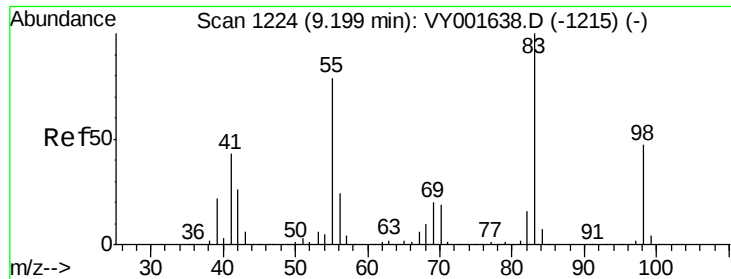
MMDadoda
3/4/2020 2:02:12 PM



#38
Carbon Tetrachloride
Concen: 2.785 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.3	74.8	112.2
121	29.3	23.8	35.6





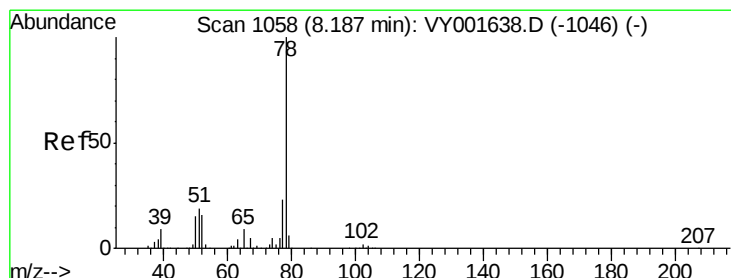
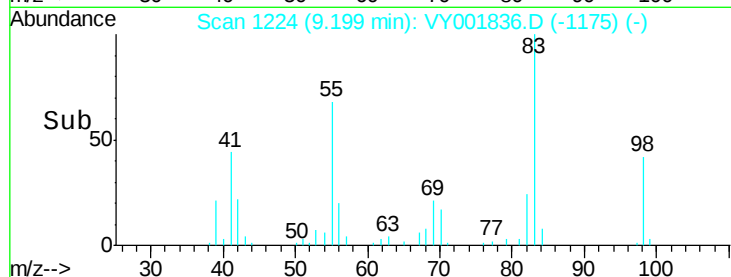
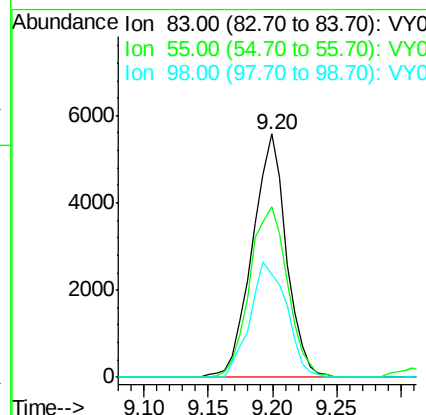
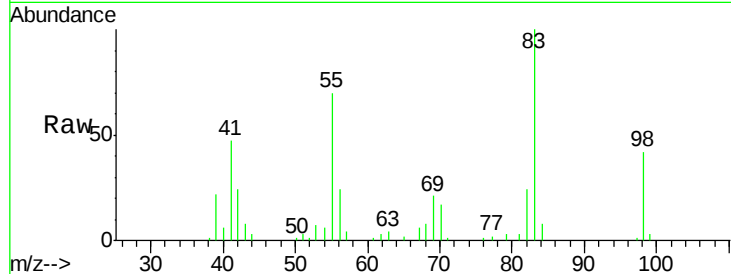
#39
Methvlcvclohexane
Concen: 2.732 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.0	61.3	91.9
98	42.4	38.0	57.0

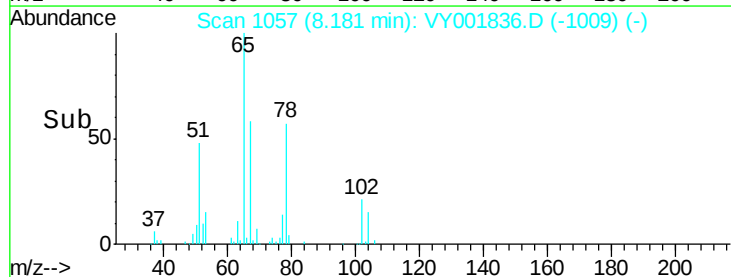
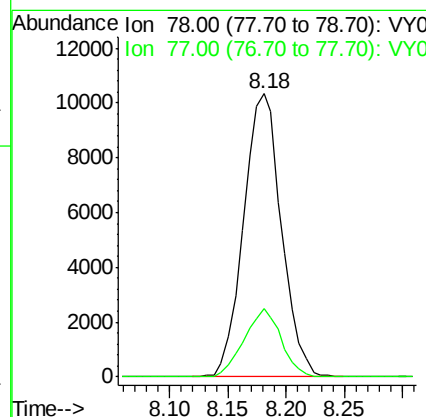
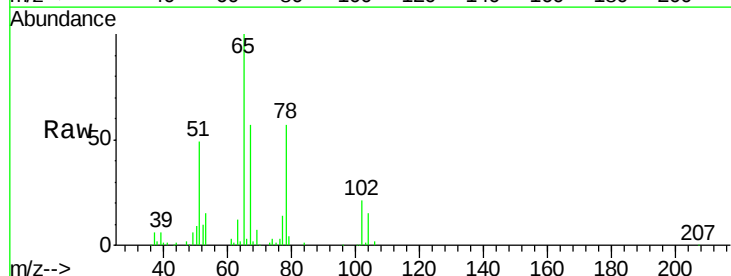
Manual Integrations
APPROVED

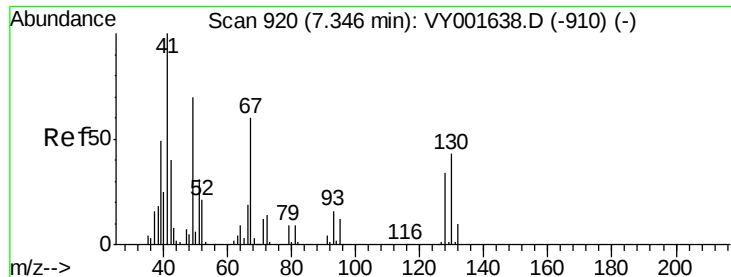
MMDadoda
3/4/2020 2:02:12 PM



#40
Benzene
Concen: 2.833 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.2	27.4





#41

Methacrylonitrile

Concen: 2.219 ug/l

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 41 Resp: 1868

Ion Ratio Lower Upper

41 100

39 71.8 36.0 54.0#

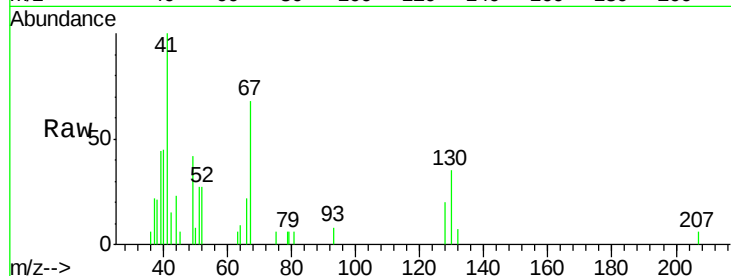
67 99.3 0.0 0.0#

52 27.4 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

3/4/2020 2:02:12 PM

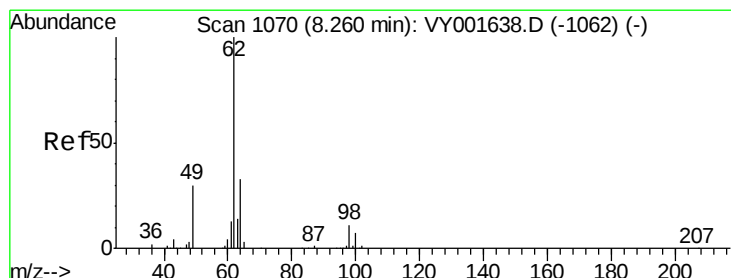
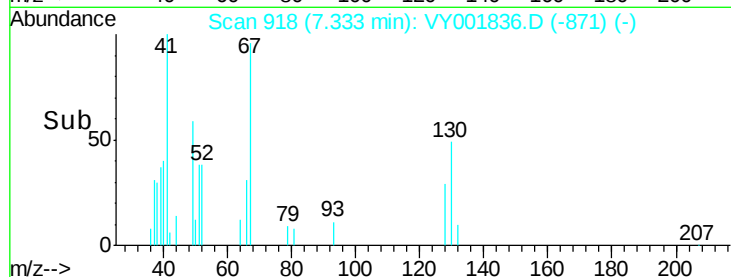
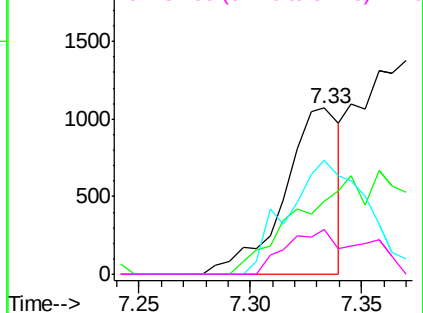


Abundance Ion 41.00 (40.70 to 41.70): VY001638.D (-910) (-)

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: 2.877 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VY001836.D

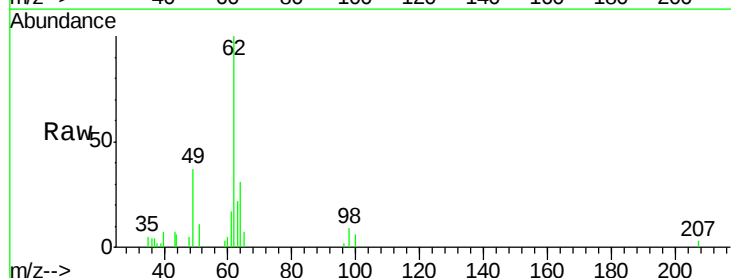
Acq: 03 Mar 2020 15:42

Tgt Ion: 62 Resp: 6477

Ion Ratio Lower Upper

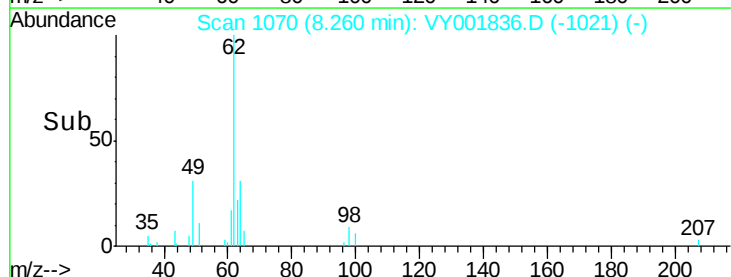
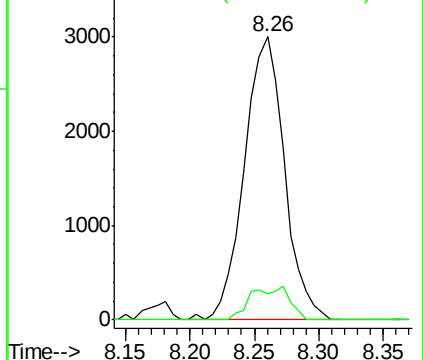
62 100

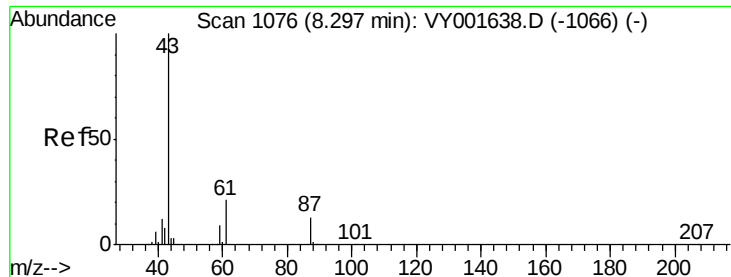
98 6.1 0.0 20.8



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: 2.702 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

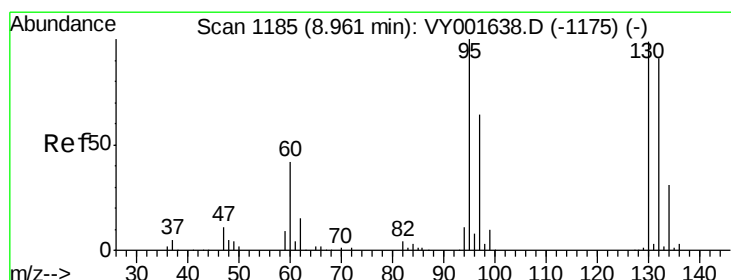
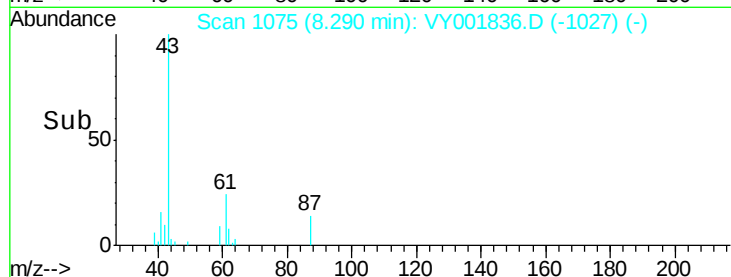
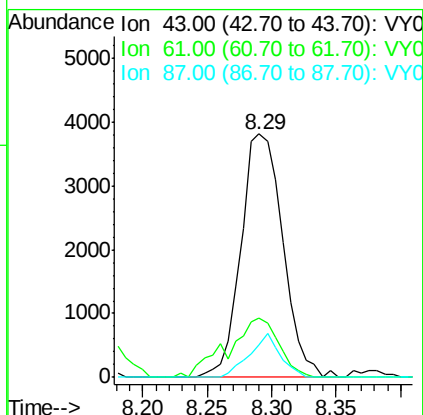
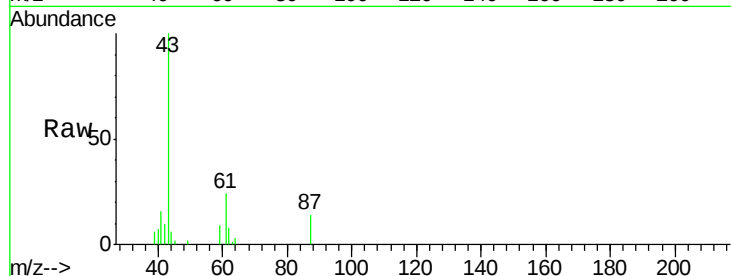
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	43	Resp:	8596
Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.0	34.4
87	13.1	10.7	16.1

Manual Integrations
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3/4/2020 2:02:12 PM



#44

Trichloroethene

Concen: 2.676 ug/l

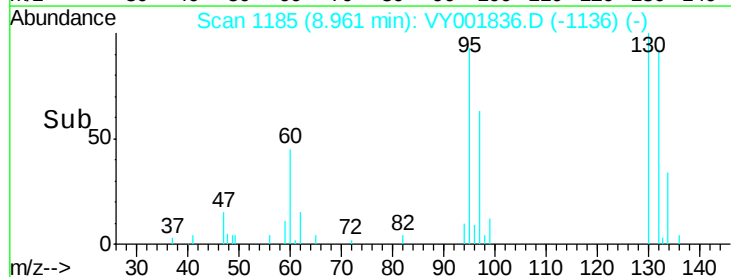
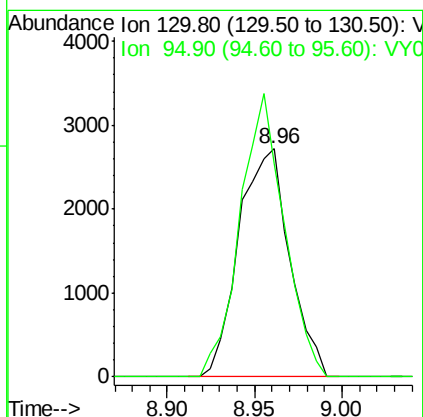
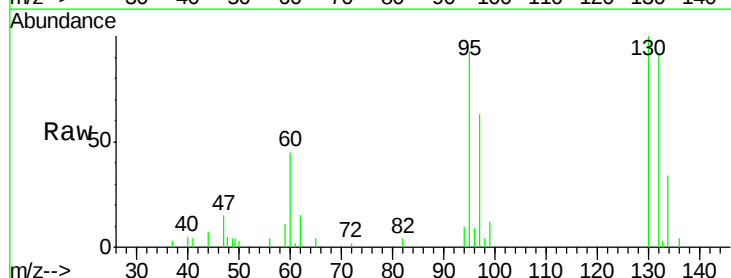
RT: 8.96 min Scan# 1185

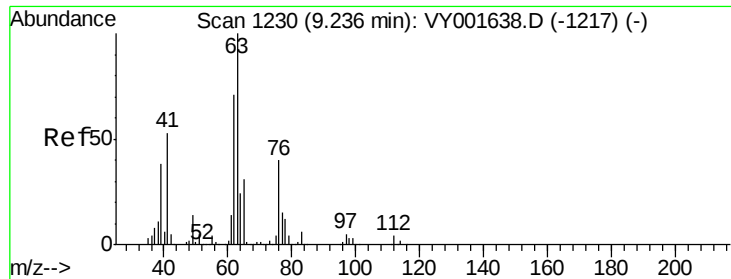
Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Tgt Ion:	130	Resp:	5519
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	200.6





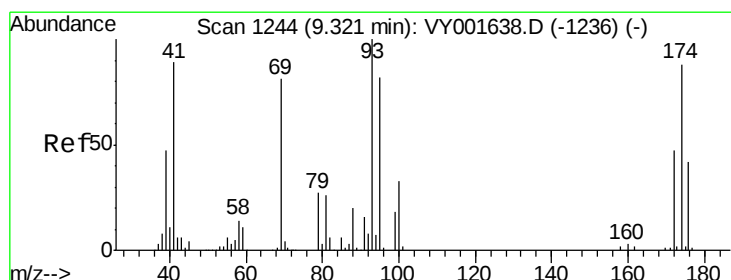
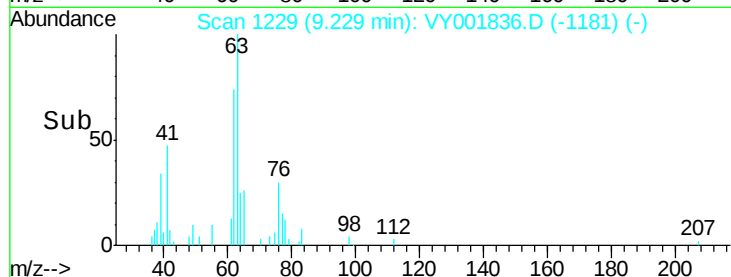
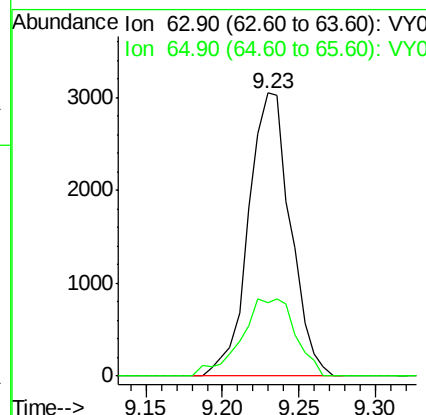
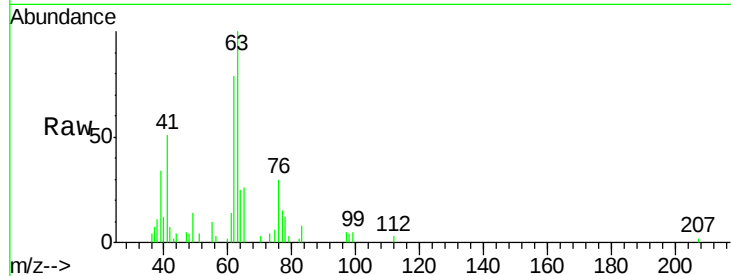
#45
 1,2-Dichloropropane
 Concen: 2.817 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

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

Tot Ion: 63 Resp: 5828
 Ion Ratio Lower Upper
 63 100
 65 26.2 24.6 37.0

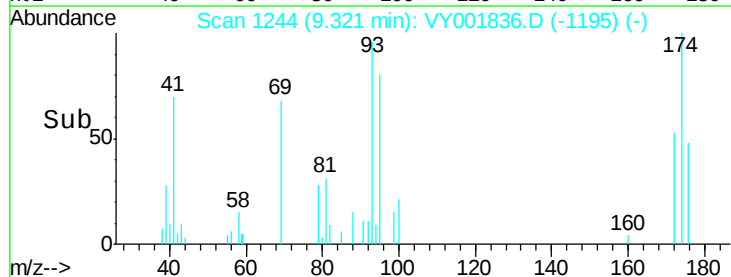
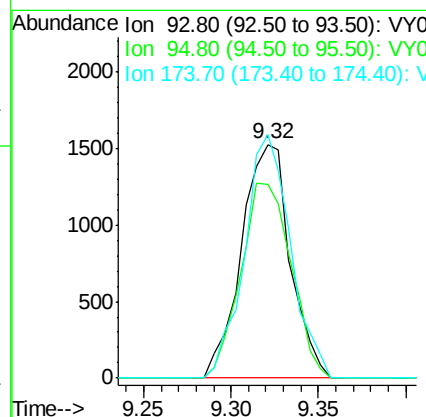
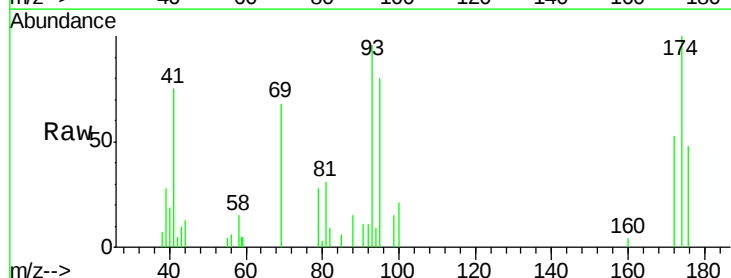
Manual Integrations
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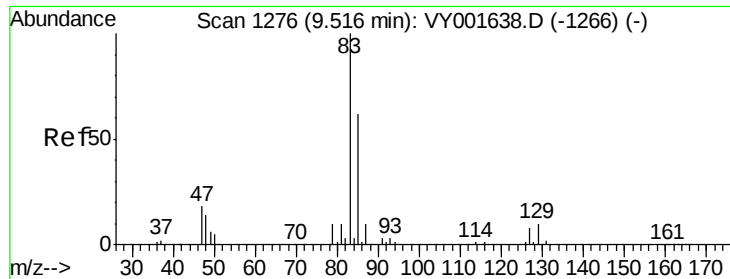
MMDadoda
 3/4/2020 2:02:12 PM



#46
 Dibromomethane
 Concen: 2.737 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion: 93 Resp: 2962
 Ion Ratio Lower Upper
 93 100
 95 86.2 66.1 99.1
 174 98.3 72.5 108.7





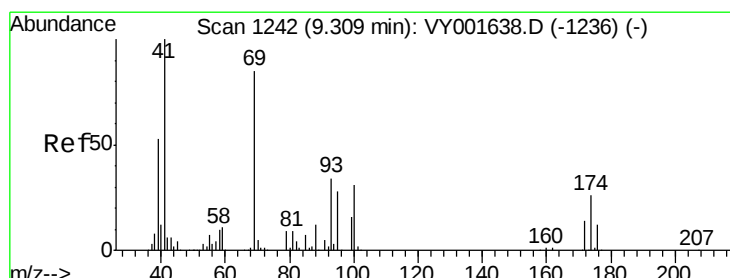
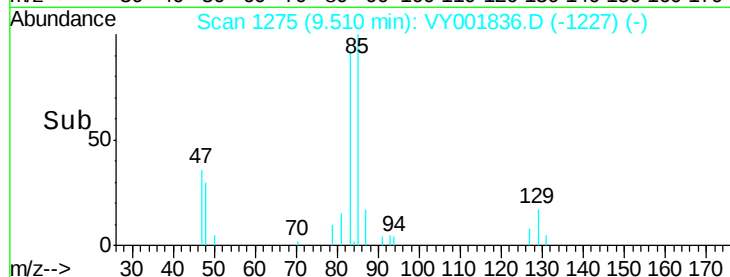
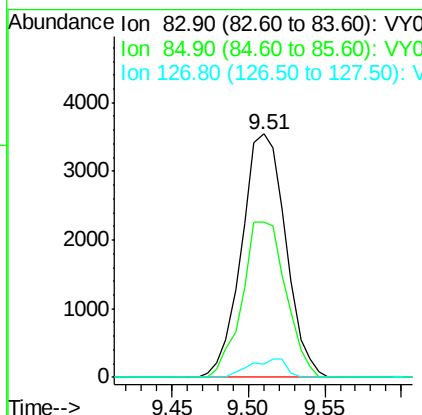
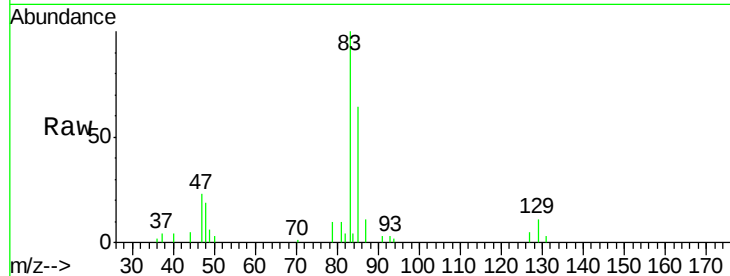
#47
Bromodichloromethane
Concen: 2.718 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.0
127	5.3	6.4	9.6#

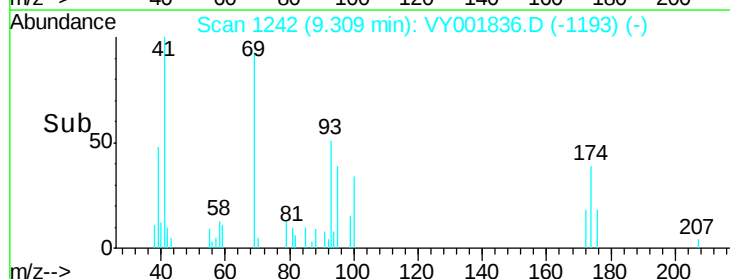
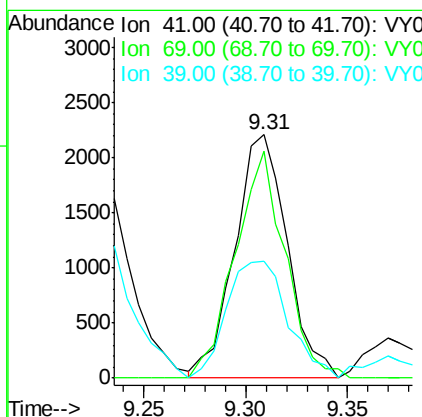
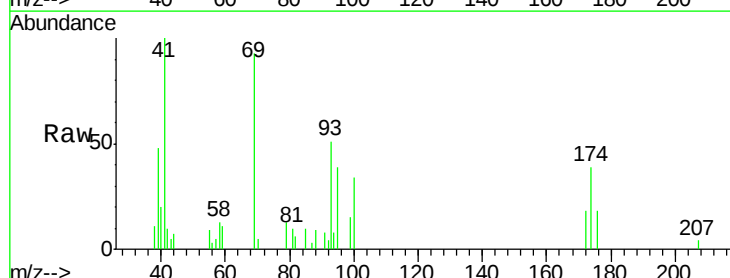
Manual Integrations
APPROVED

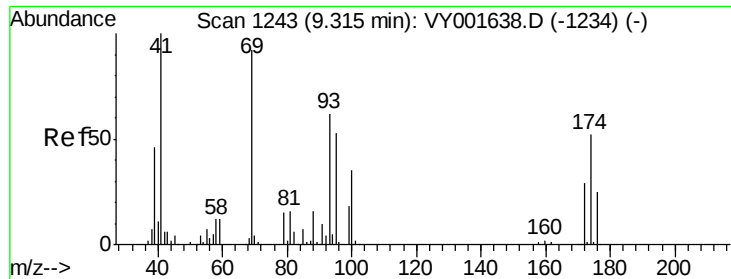
MMDadoda
3/4/2020 2:02:12 PM



#48
Methyl methacrylate
Concen: 2.748 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.1	70.7	106.1
39	55.8	42.2	63.2





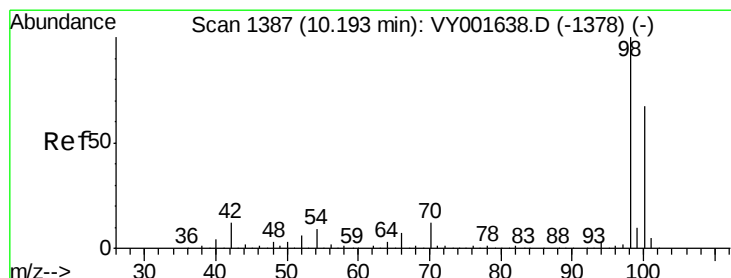
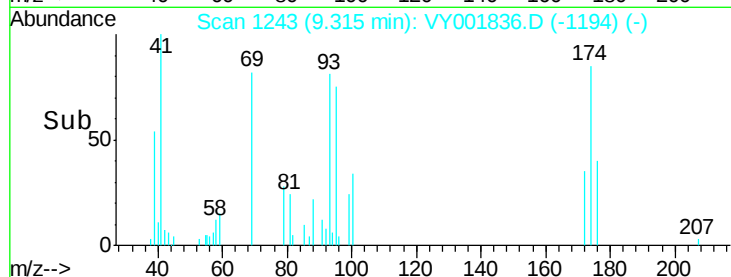
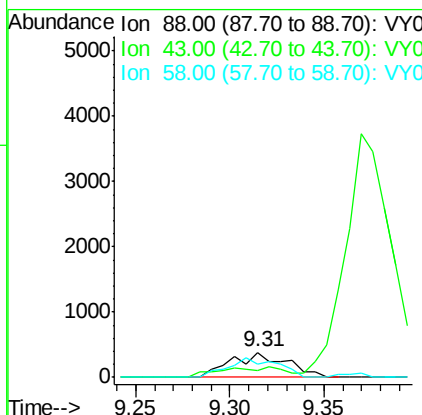
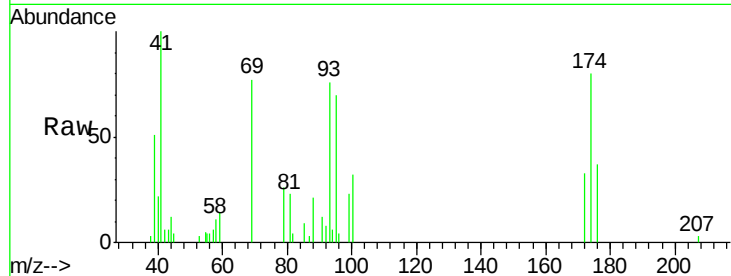
#49
1,4-Dioxane
Concen: 50.307 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion: 88 Resp: 769
Ion Ratio Lower Upper
88 100
43 50.6 23.1 34.7#
58 70.6 58.1 87.1

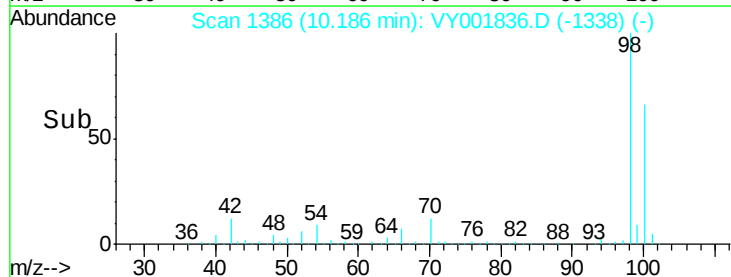
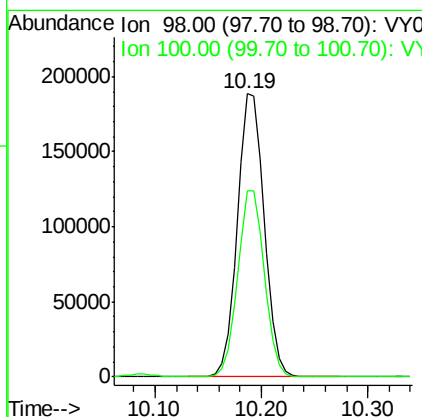
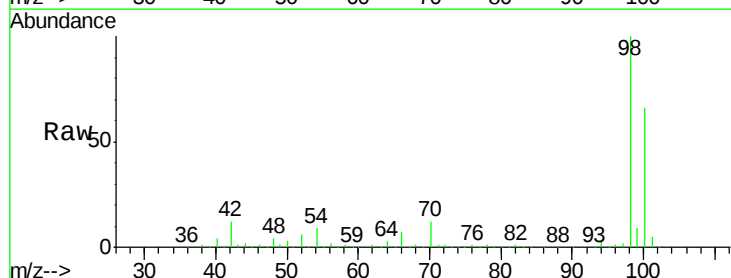
Manual Integrations
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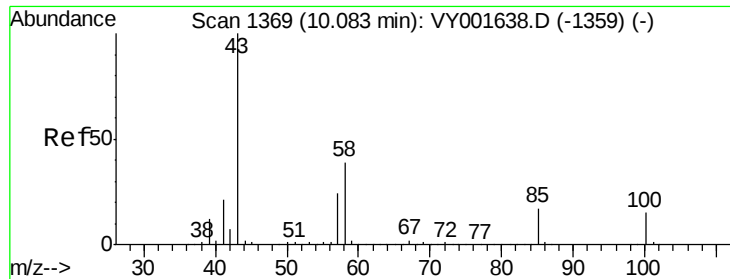
MMDadoda
3/4/2020 2:02:12 PM



#50
Toluene-d8
Concen: 50.500 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 98 Resp: 333273
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 13.172 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 21531

Ion Ratio Lower Upper

43 100

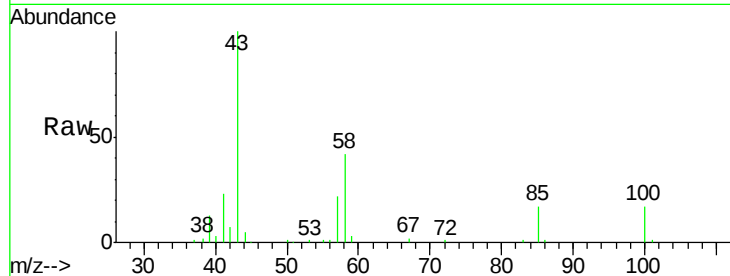
58 38.9 32.2 48.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY001836.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY001836.D (-1359) (-)

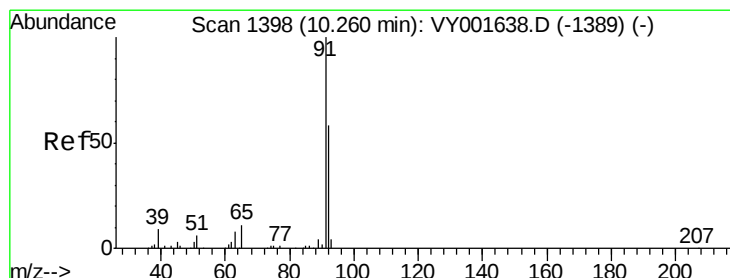
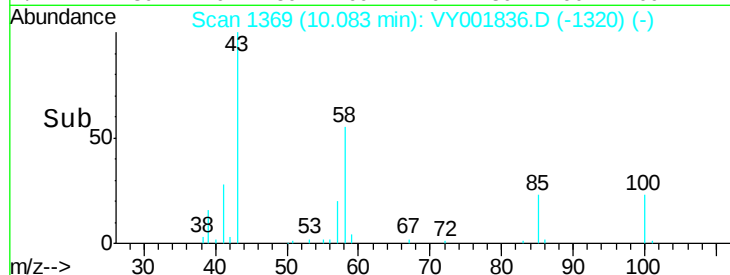
10.08

10000

5000

0

Time-->



#52

Toluene

Concen: 2.804 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001836.D

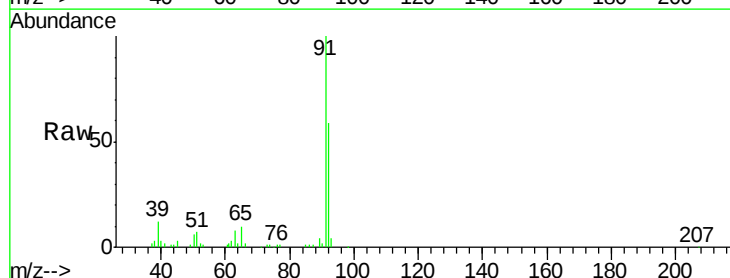
Acq: 03 Mar 2020 15:42

Tgt Ion: 92 Resp: 14450

Ion Ratio Lower Upper

92 100

91 168.9 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY001836.D (-1389) (-)

Ion 91.00 (90.70 to 91.70): VY001836.D (-1389) (-)

10.25

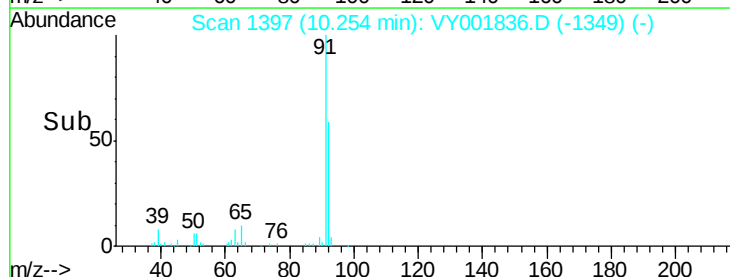
15000

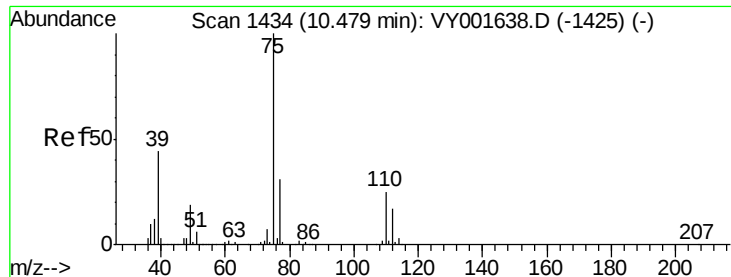
10000

5000

0

Time-->





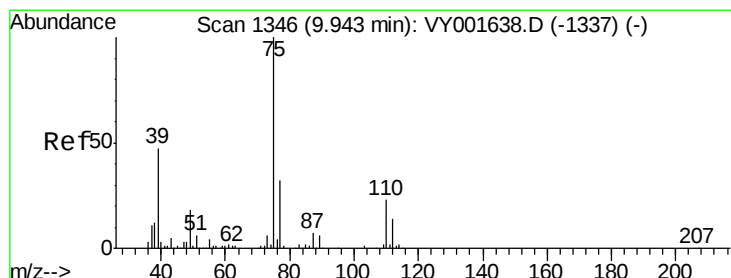
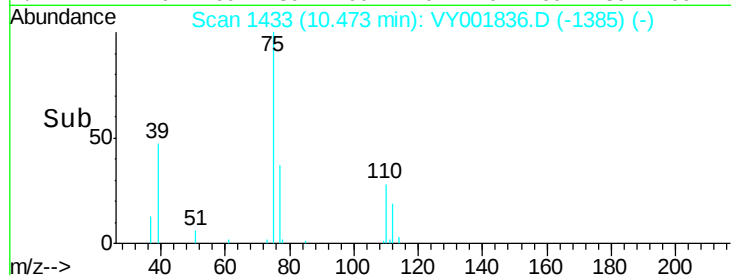
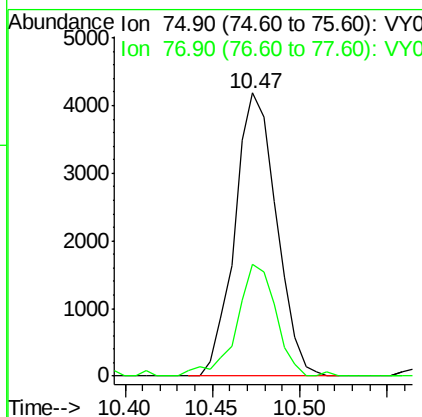
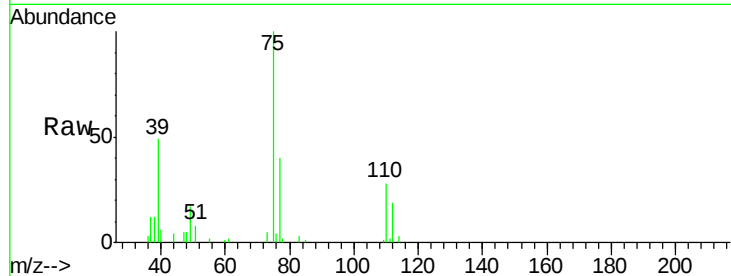
#53
t-1,3-Dichloropropene
Concen: 2.407 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion: 75 Resp: 6950
Ion Ratio Lower Upper
75 100
77 39.7 25.2 37.8#

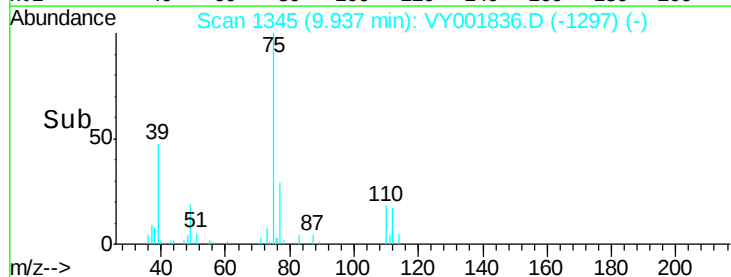
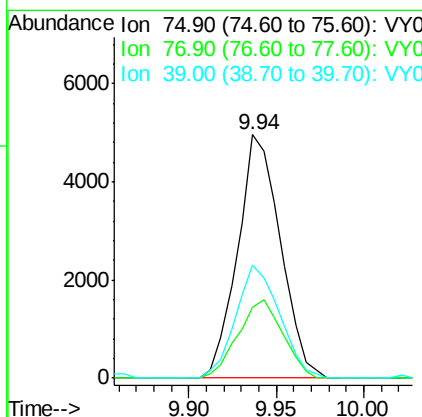
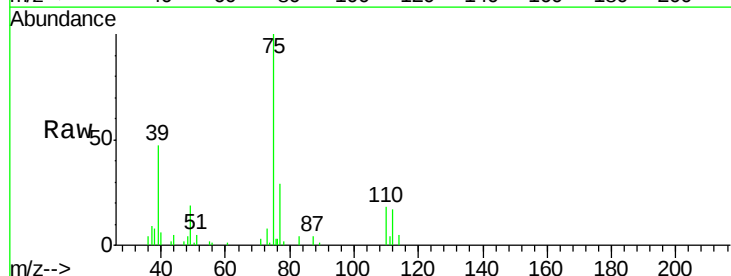
Manual Integrations
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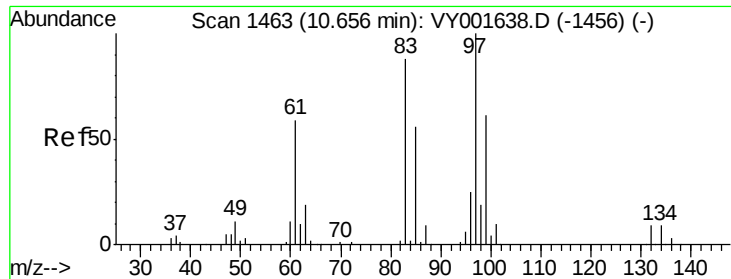
MMDadoda
3/4/2020 2:02:12 PM



#54
cis-1,3-Dichloropropene
Concen: 2.537 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 75 Resp: 8433
Ion Ratio Lower Upper
75 100
77 29.0 25.7 38.5
39 46.6 35.7 53.5





#55

1,1,2-Trichloroethane

Concen: 2.607 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

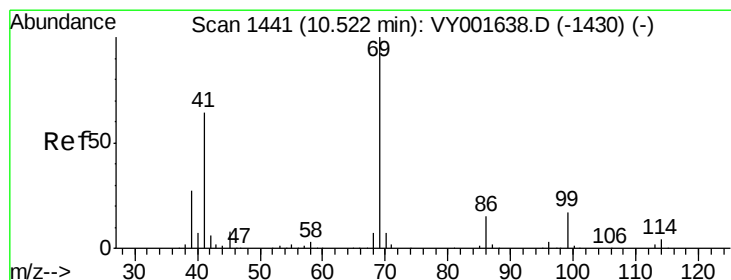
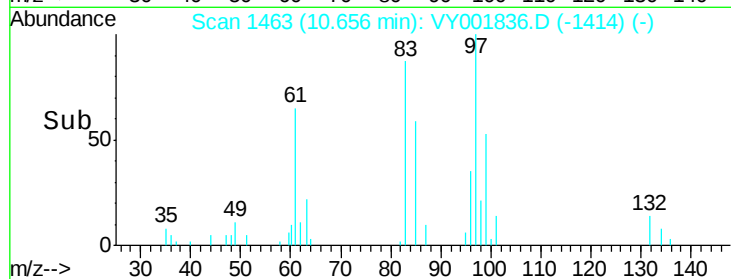
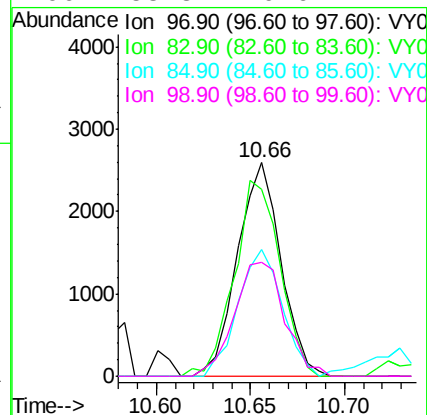
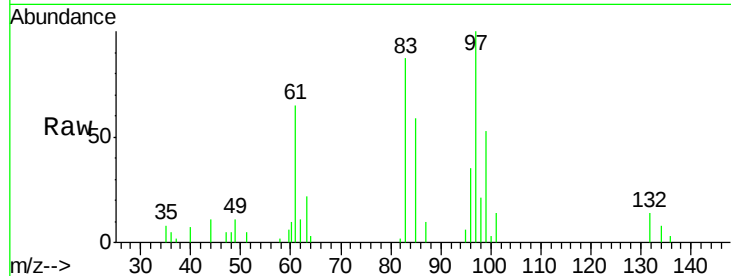
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	97	Resp:	4160
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.7	104.5
85	59.1	44.5	66.7
99	53.3	49.6	74.4

Manual Integrations
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3/4/2020 2:02:12 PM



#56

Ethyl methacrylate

Concen: 2.606 ug/l

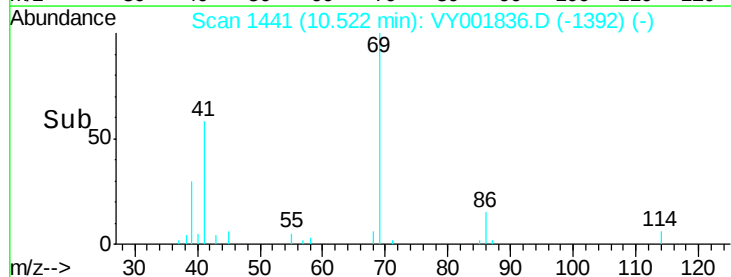
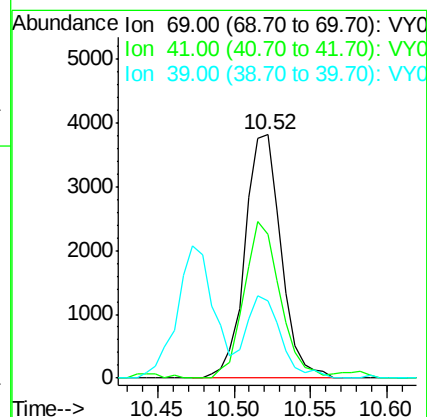
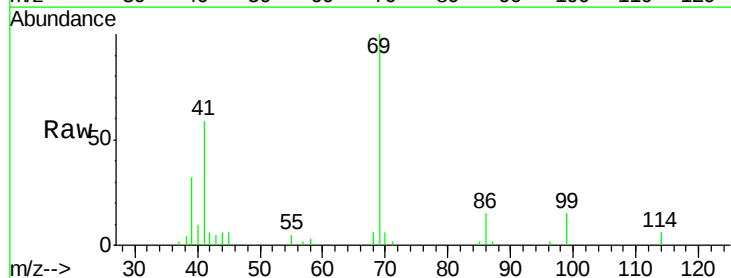
RT: 10.52 min Scan# 1441

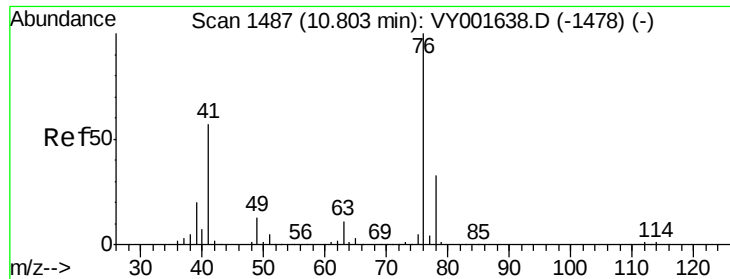
Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Tgt Ion:	69	Resp:	6239
Ion	Ratio	Lower	Upper
69	100		
41	65.0	51.0	76.4
39	33.1	24.7	37.1





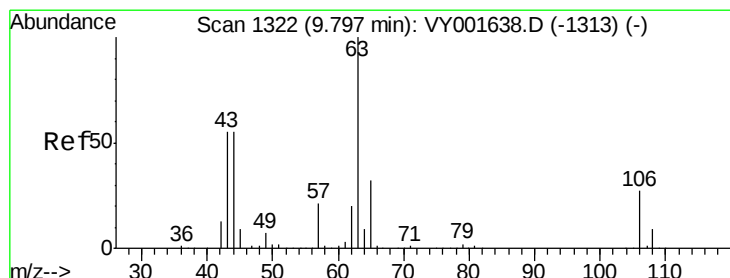
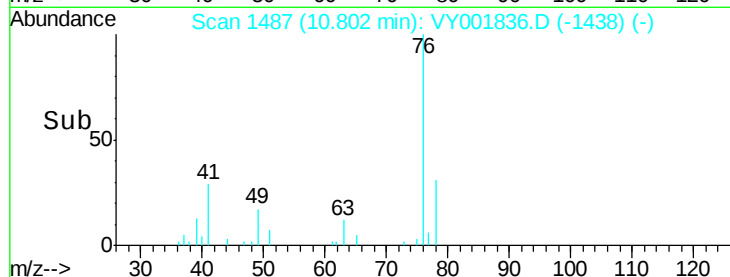
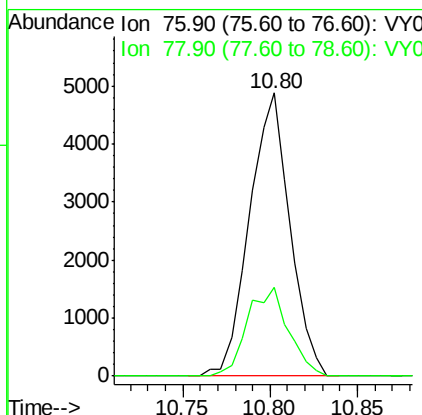
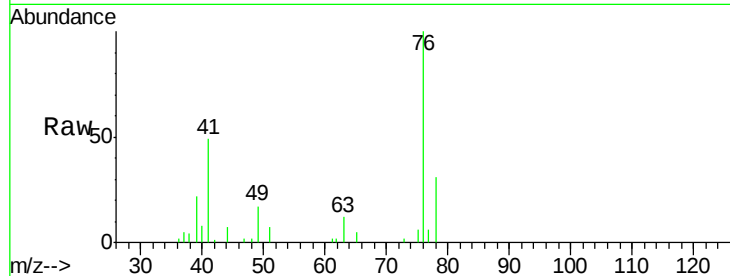
#57
 1,3-Dichloropropane
 Concen: 2.780 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

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

Tot Ion: 76 Resp: 7883
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5

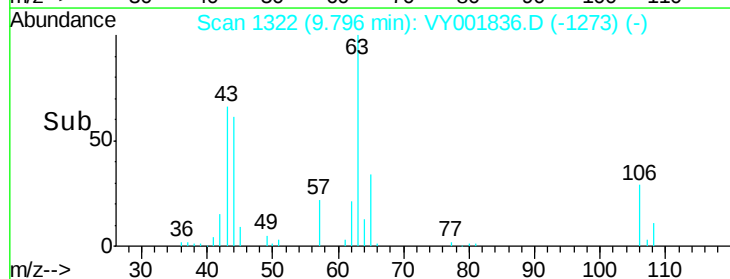
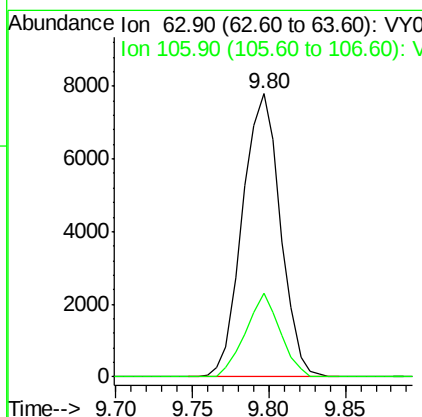
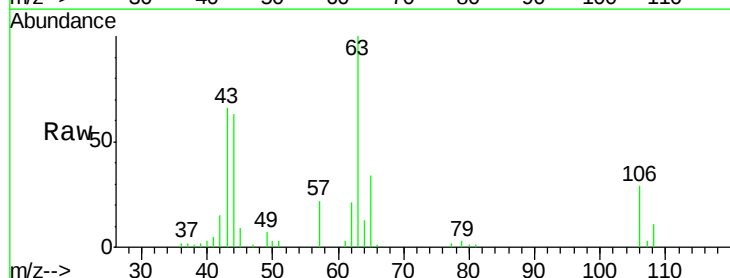
Manual Integrations
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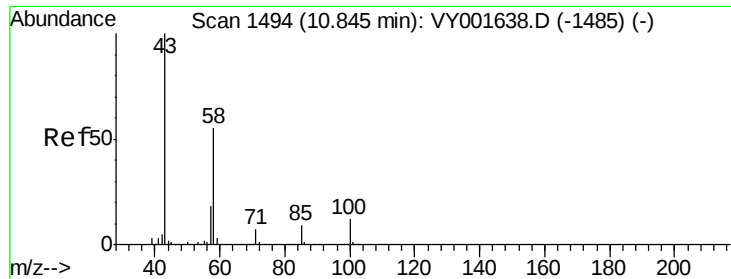
MMDadoda
 3/4/2020 2:02:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.464 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion: 63 Resp: 13461
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.6 32.4





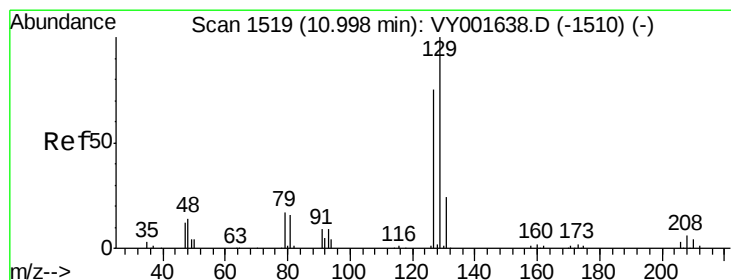
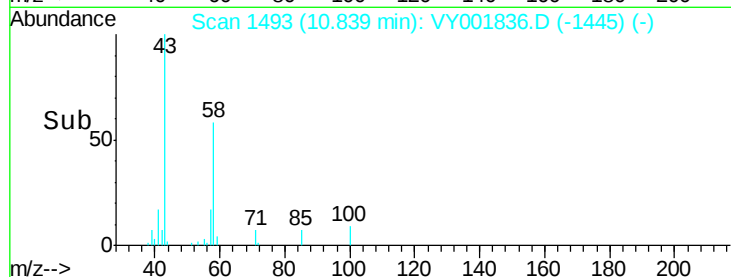
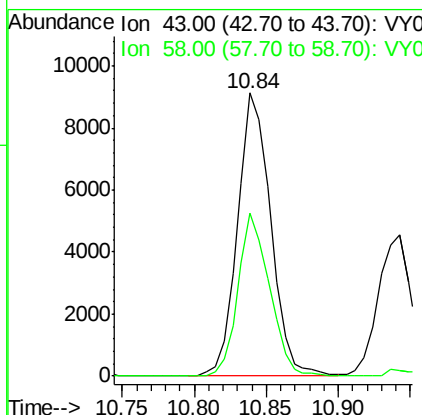
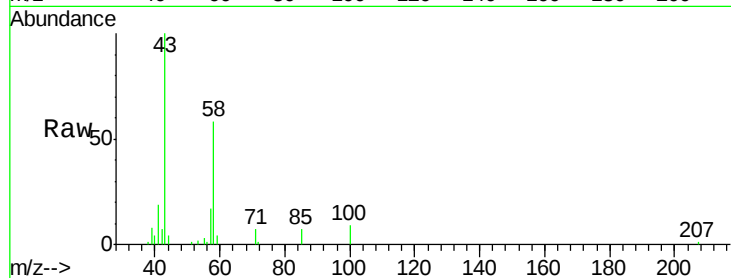
#59
2-Hexanone
Concen: 11.935 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion: 43 Resp: 14638
Ion Ratio Lower Upper
43 100
58 54.5 28.4 85.2

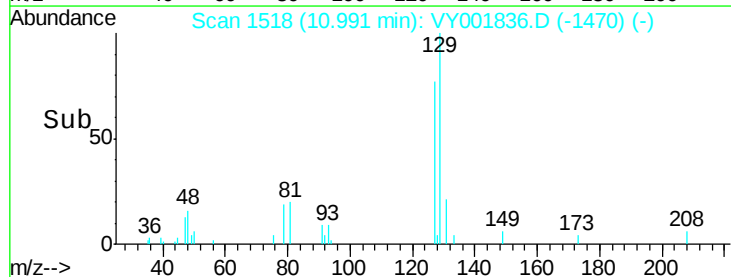
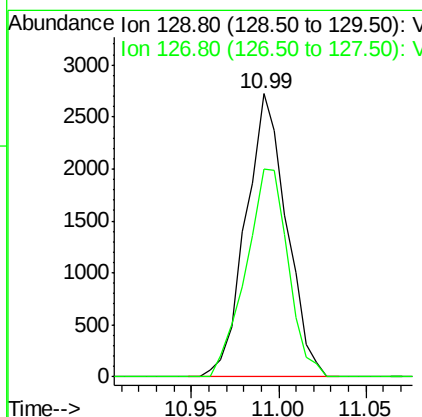
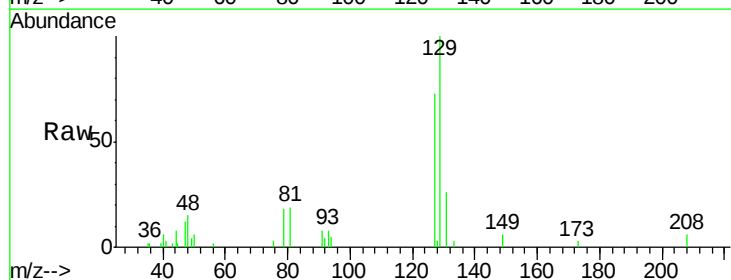
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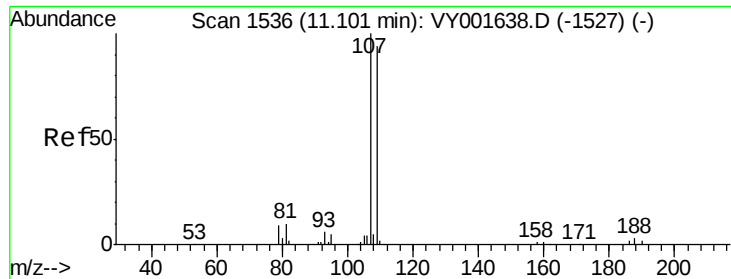
MMDadoda
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#60
Dibromochloromethane
Concen: 2.506 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 129 Resp: 4410
Ion Ratio Lower Upper
129 100
127 75.9 38.9 116.6





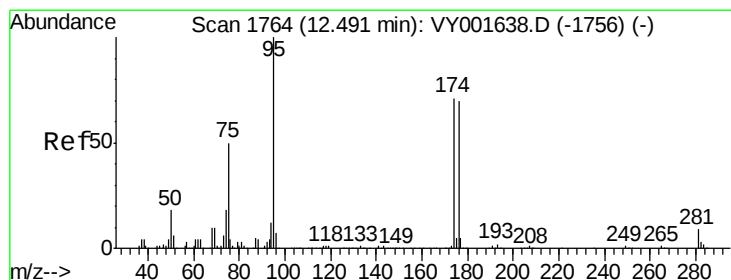
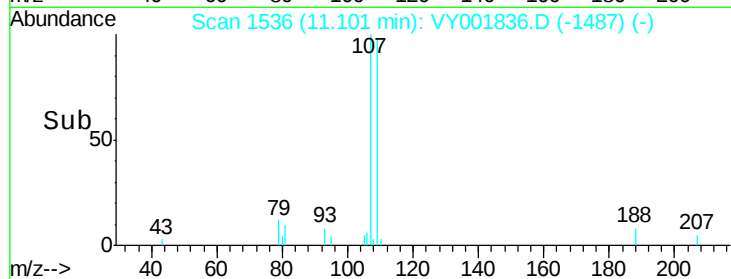
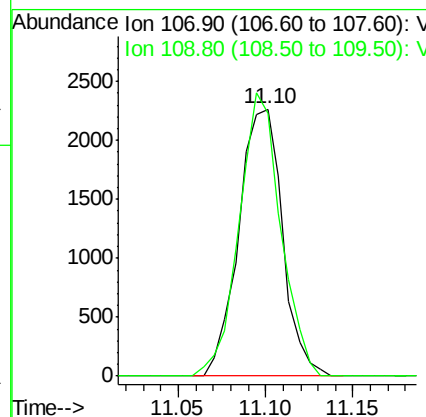
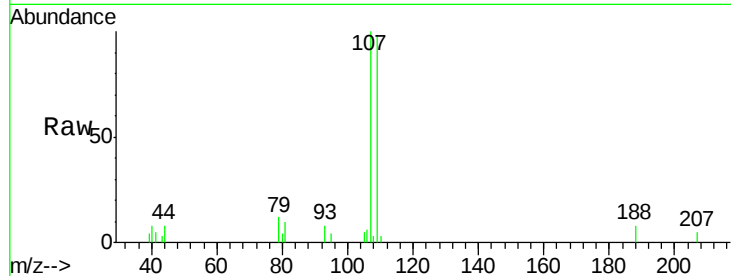
#61
 1,2-Dibromoethane
 Concen: 2.608 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
107	100		
109	101.0	74.2	111.4

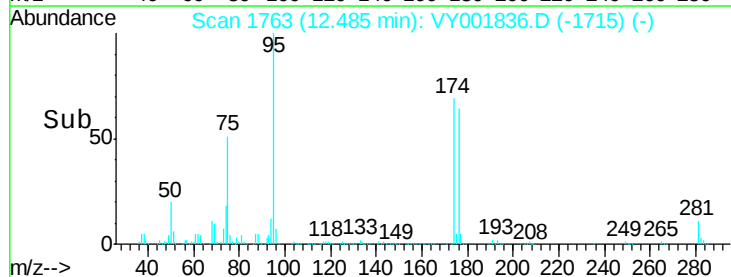
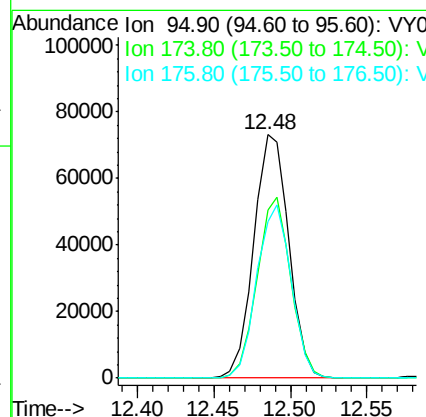
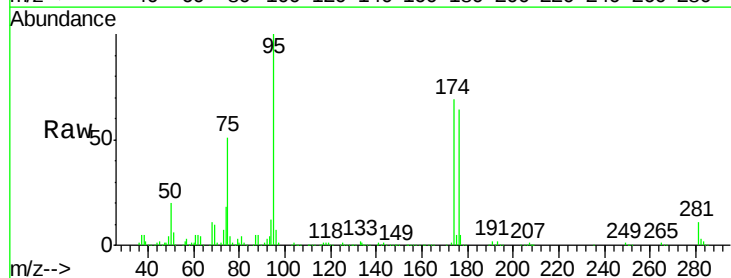
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#62
 4-Bromofluorobenzene
 Concen: 45.452 ug/l
 RT: 12.48 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	138.4
176	70.0	0.0	131.8





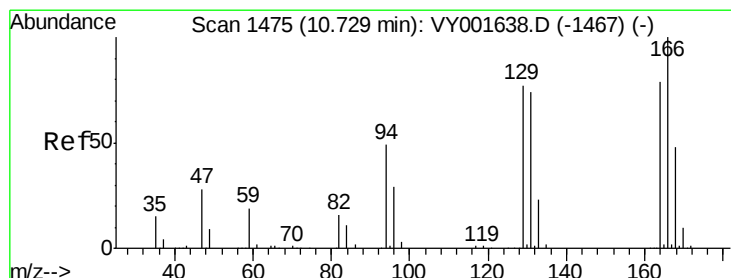
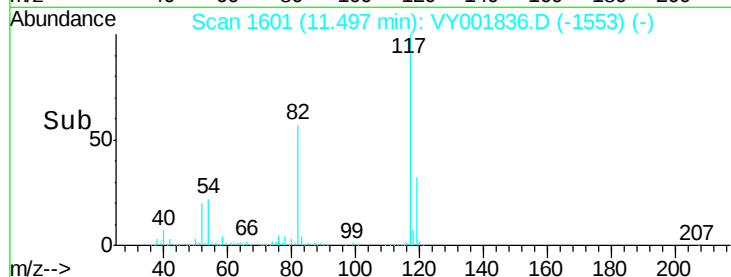
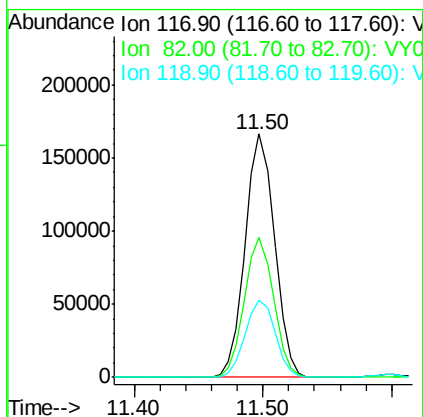
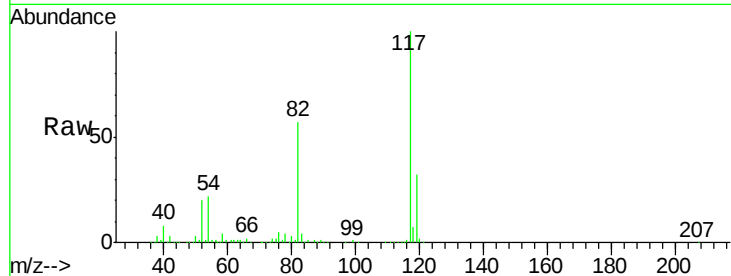
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	262783		
82	57.4		45.5	68.3
119	31.6		25.8	38.6

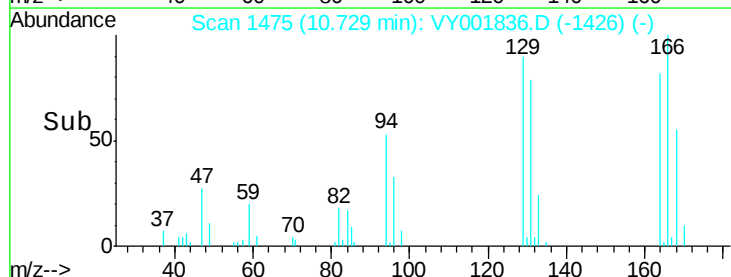
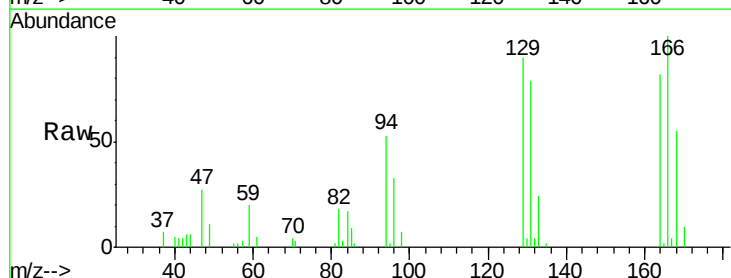
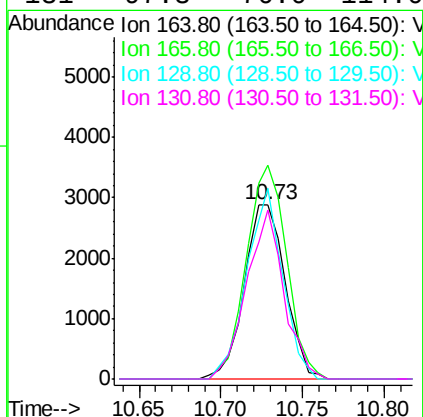
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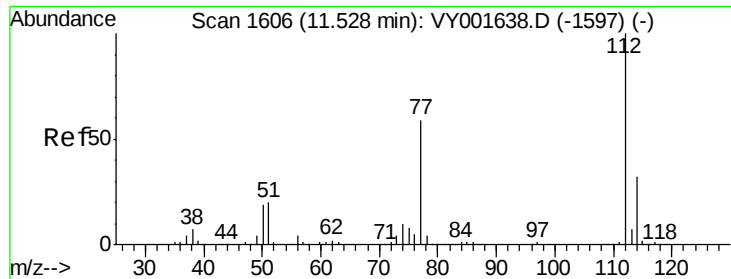
MMDadoda
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#64
Tetrachloroethene
Concen: 3.056 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5042		
166	122.6		101.4	152.0
129	109.7		78.7	118.1
131	97.3		76.0	114.0





#65

Chlorobenzene

Concen: 2.757 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:112 Resp: 14463

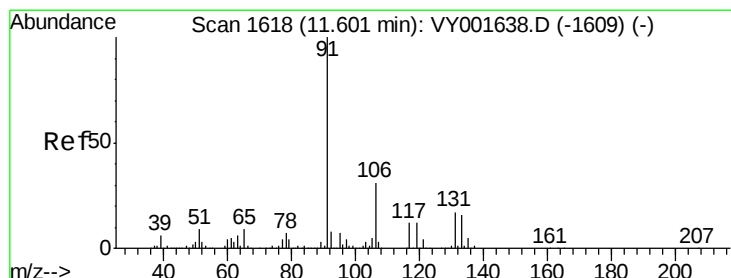
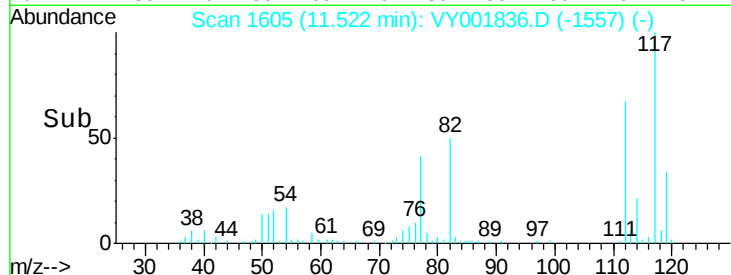
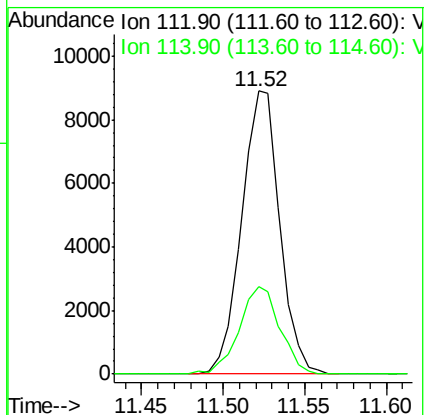
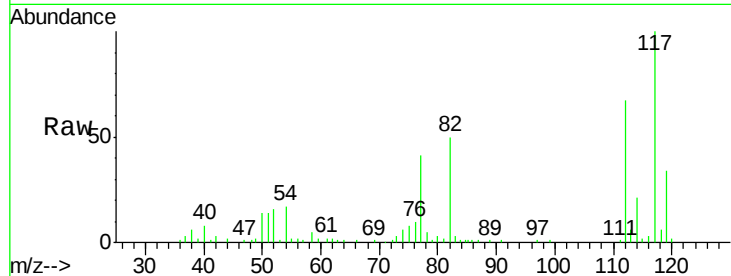
Ion Ratio Lower Upper

112 100

114 31.0 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 2.577 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

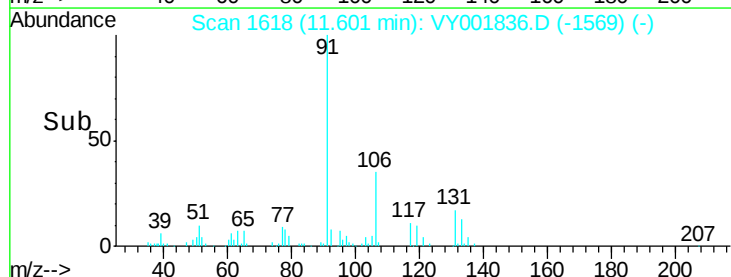
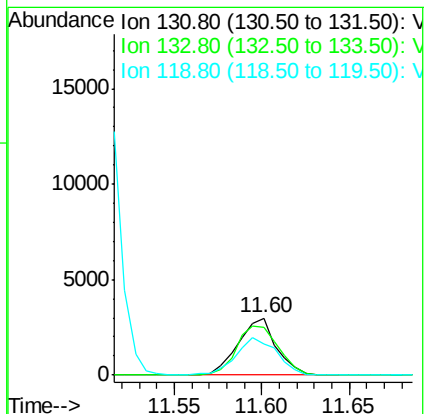
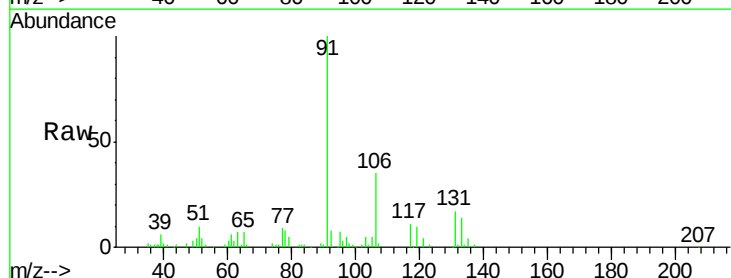
Tgt Ion:131 Resp: 4561

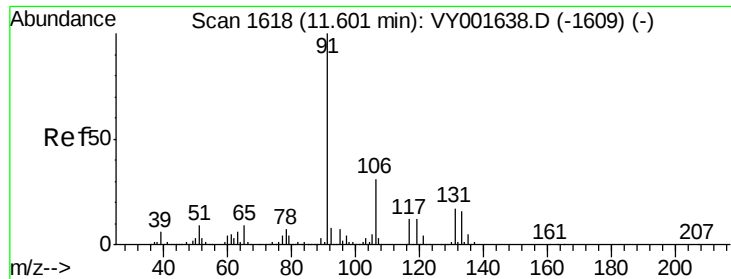
Ion Ratio Lower Upper

131 100

133 94.2 47.4 142.2

119 69.7 34.4 103.1





#67

Ethyl Benzene

Concen: 2.723 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 91 Resp: 26515

Ion Ratio Lower Upper

91 100

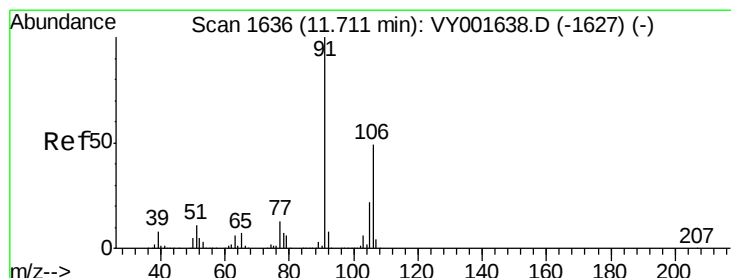
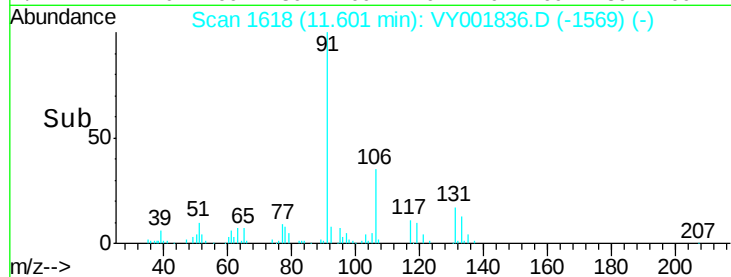
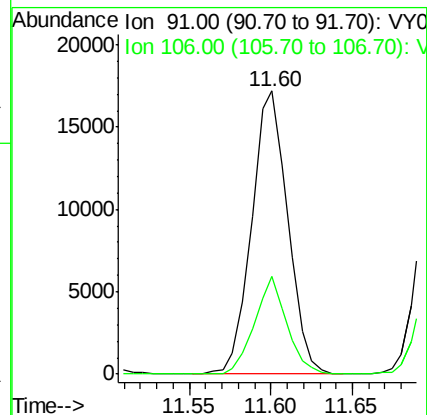
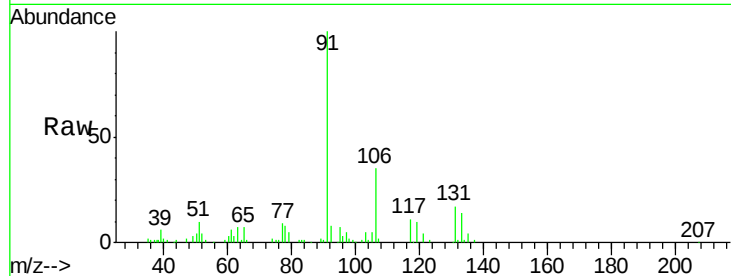
106 34.6 24.5 36.7

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#68

m/p-Xylenes

Concen: 5.449 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY001836.D

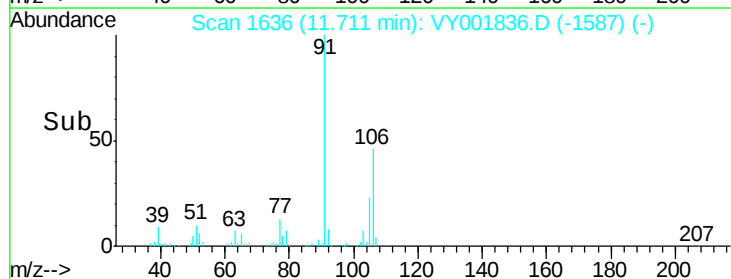
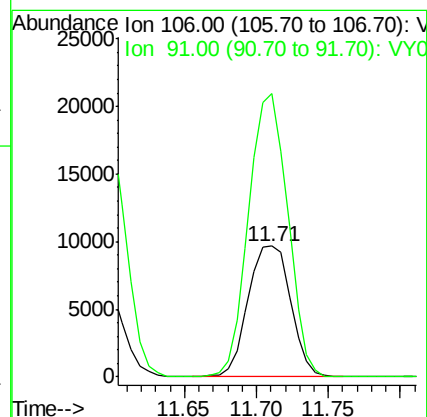
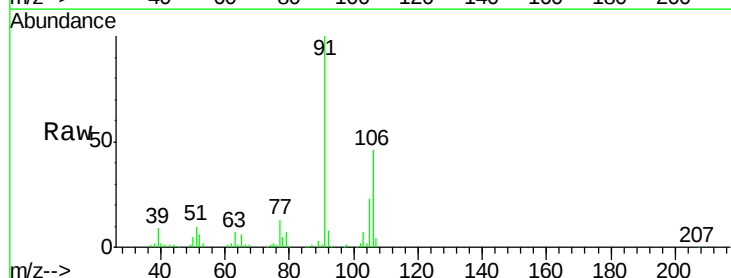
Acq: 03 Mar 2020 15:42

Tgt Ion: 106 Resp: 19817

Ion Ratio Lower Upper

106 100

91 199.2 163.3 244.9





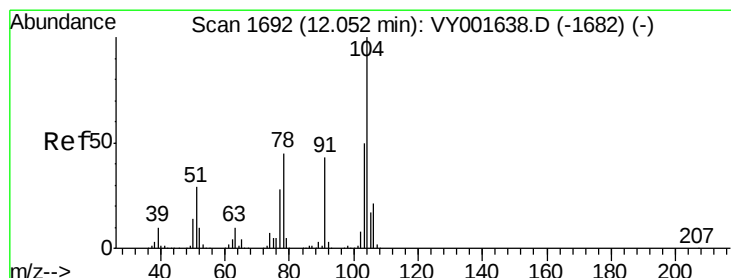
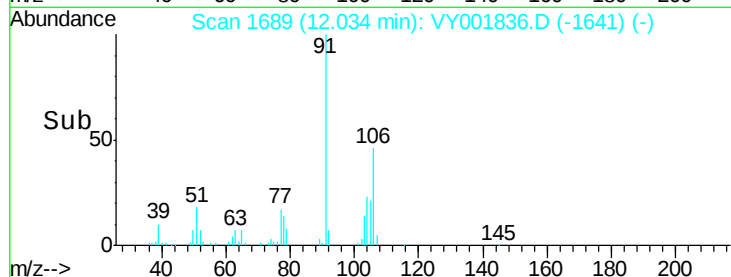
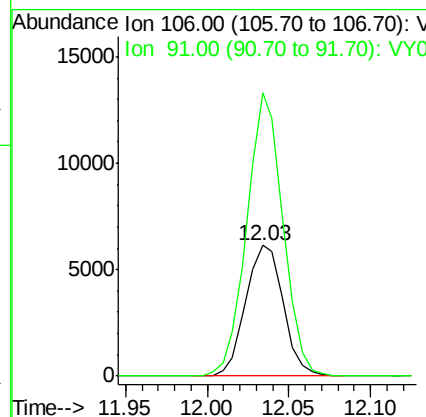
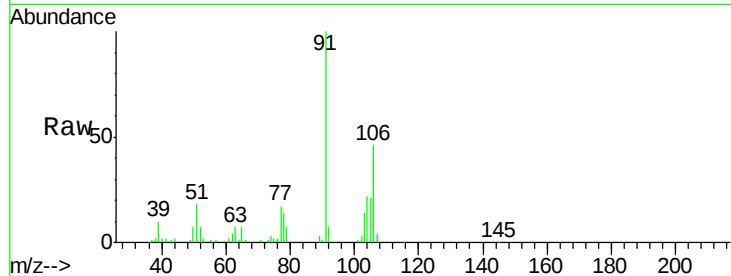
#69
o-Xylene
Concen: 2.842 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		9825		
91	208.5	108.3	324.9		

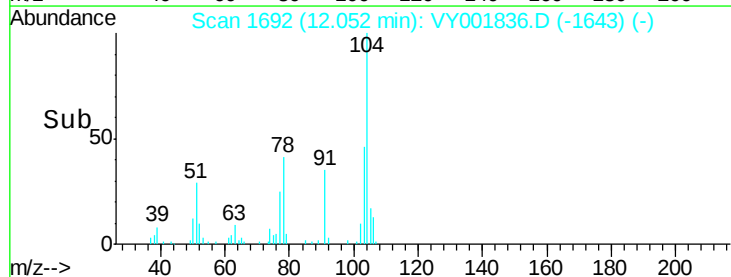
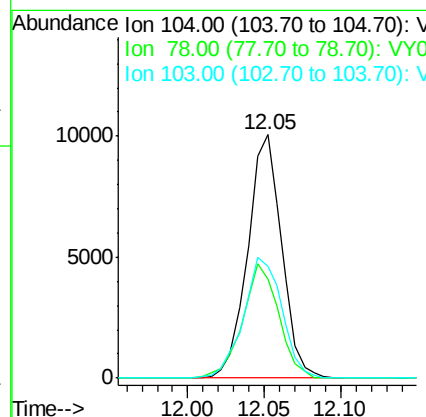
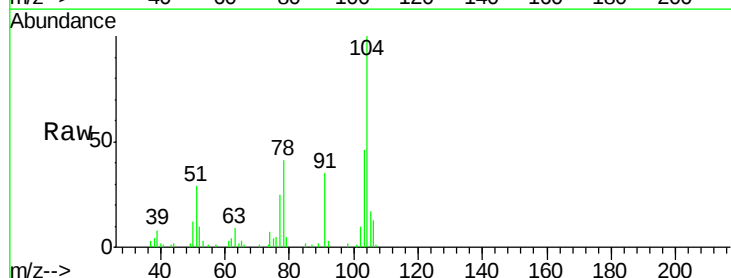
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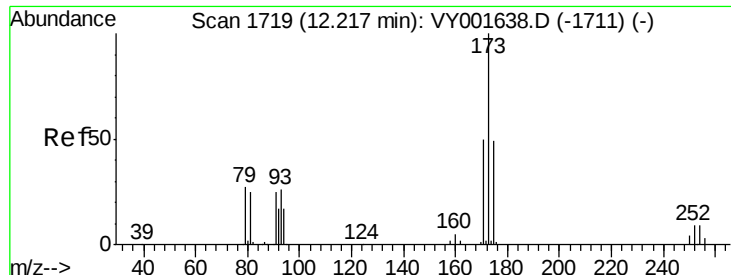
MMDadoda
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#70
Styrene
Concen: 2.581 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		15511		
78	49.7	39.2	58.8		
103	56.0	43.0	64.6		





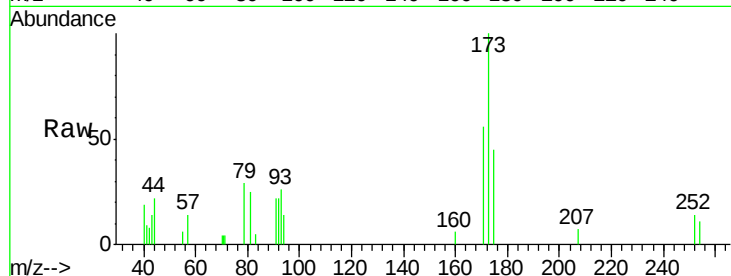
#71
Bromoform
Concen: 2.468 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.6	24.3	73.0
254	0.0	0.1	0.1#

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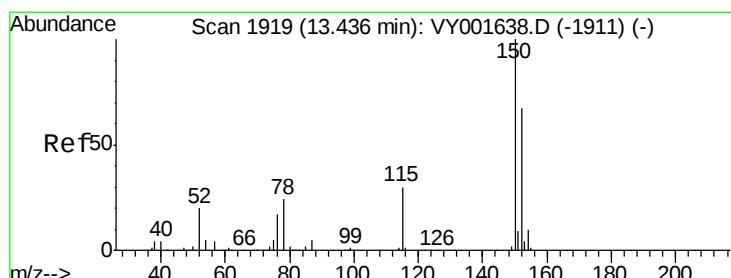
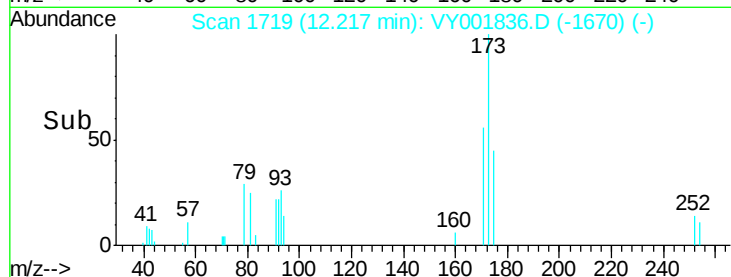
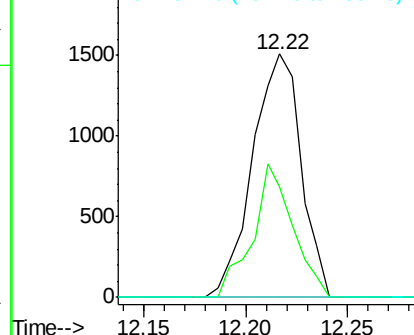


Abundance

Ion 172.70 (172.40 to 173.40): V

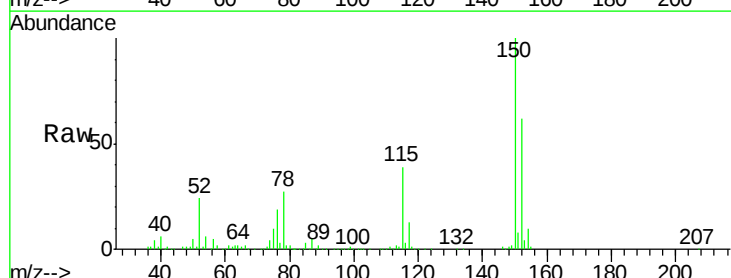
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.4	94.2
150	157.9	0.0	407.2

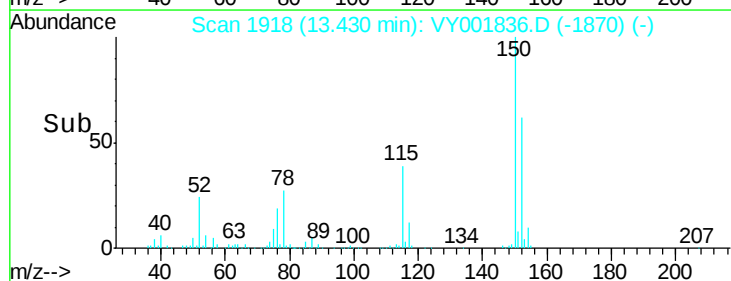
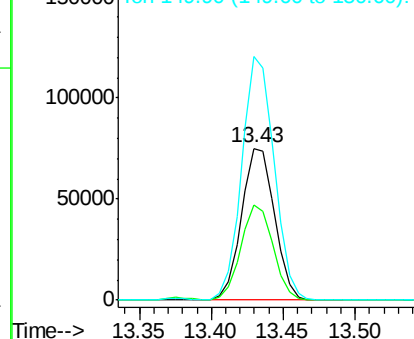


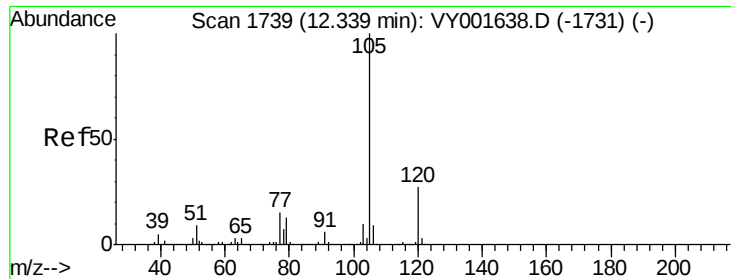
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





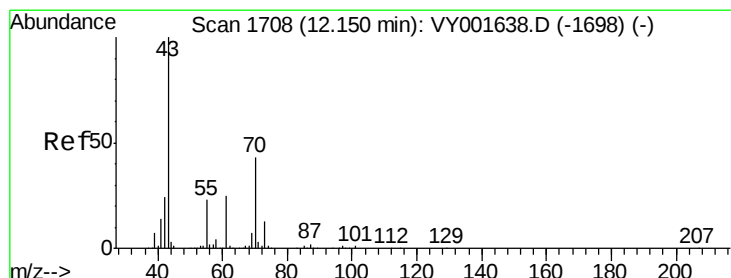
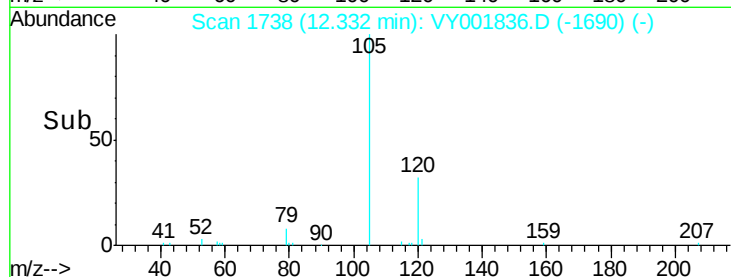
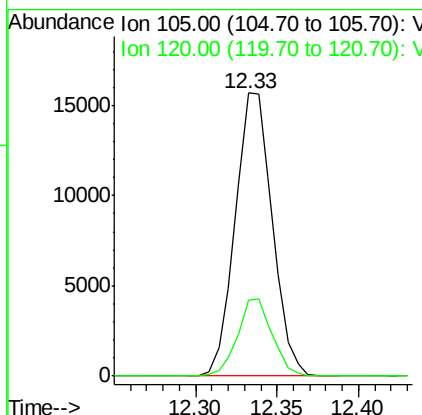
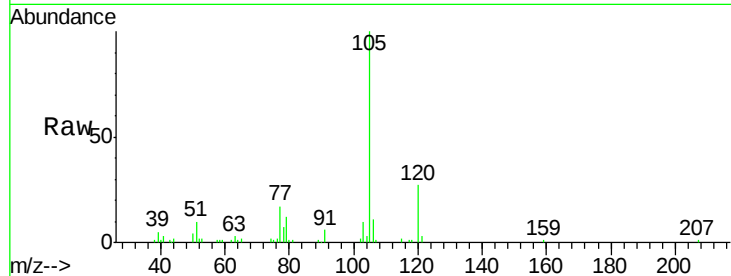
#73
Isopropylbenzene
Concen: 2.737 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.4	40.1

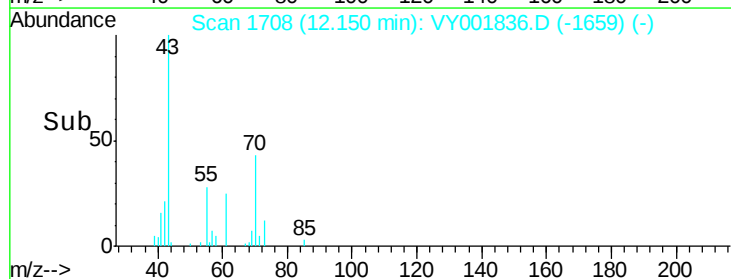
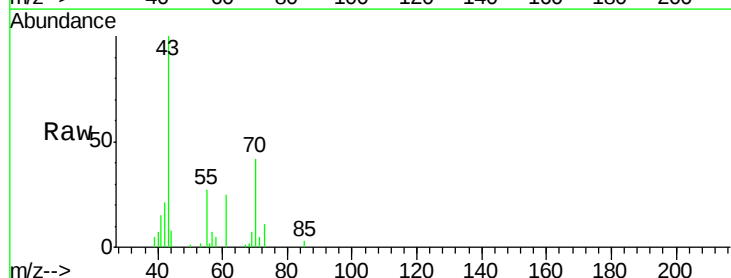
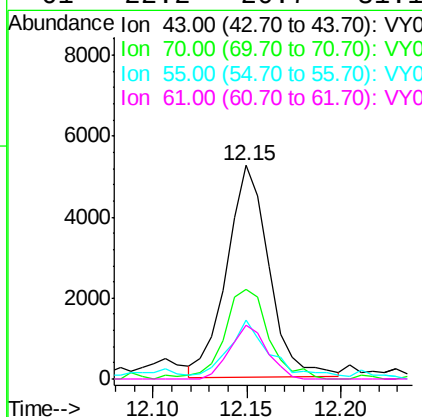
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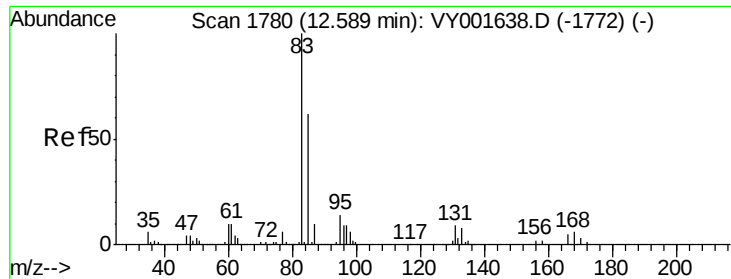
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#74
N-ethyl acetate
Concen: 2.812 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.1	35.9	53.9
55	28.6	18.3	27.5
61	22.2	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 2.823 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

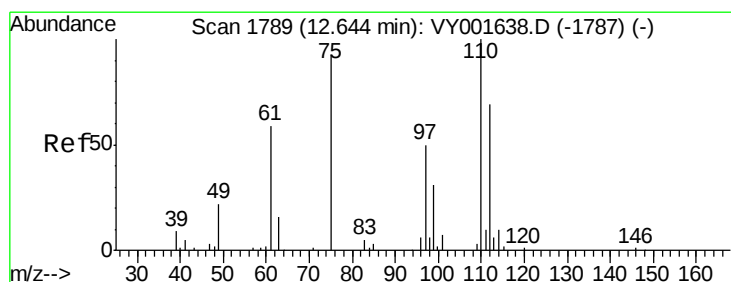
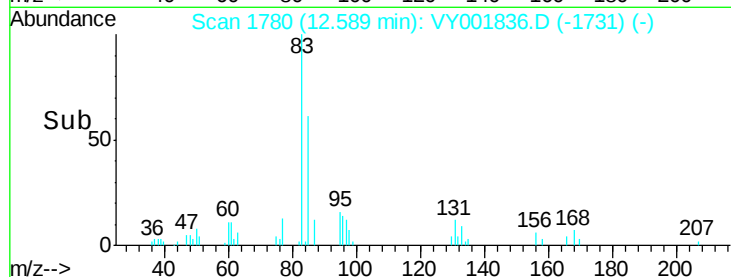
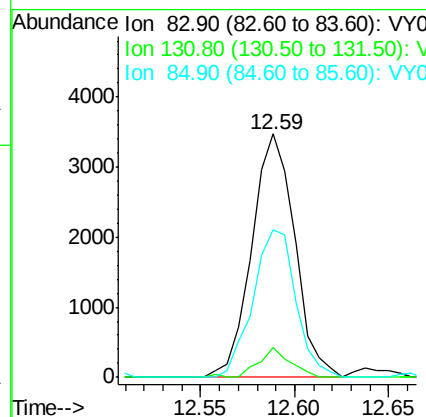
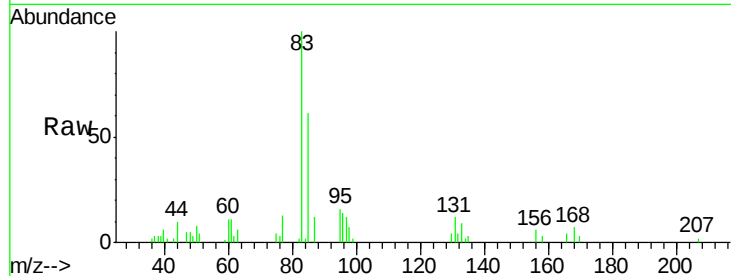
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	83	Resp:	5471
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.1
85	60.9	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 2.856 ug/l m

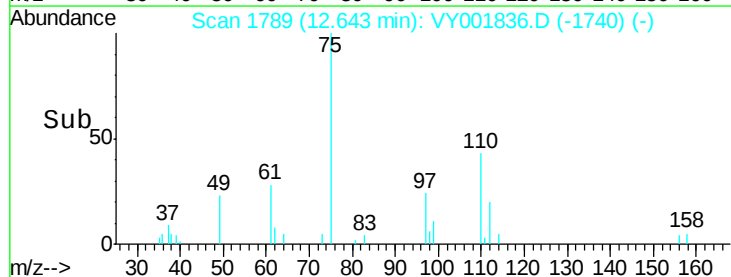
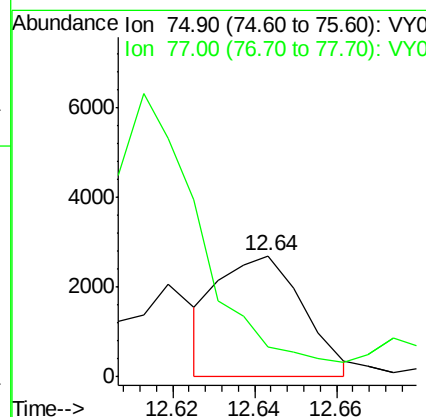
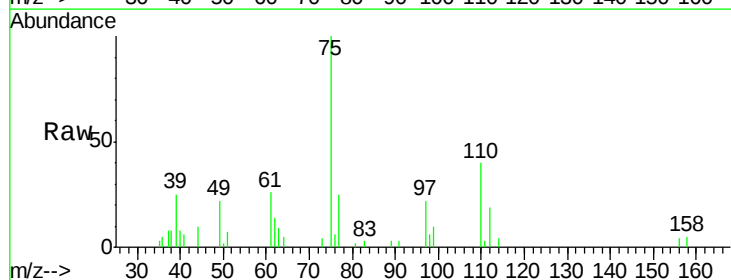
RT: 12.64 min Scan# 1789

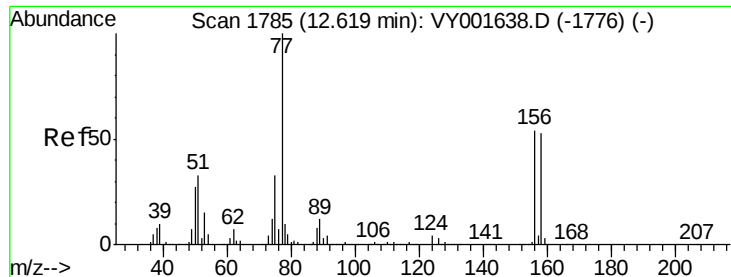
Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Tgt Ion:	75	Resp:	3904
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.833 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

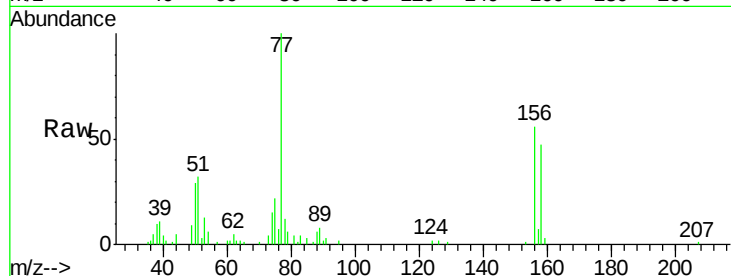
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

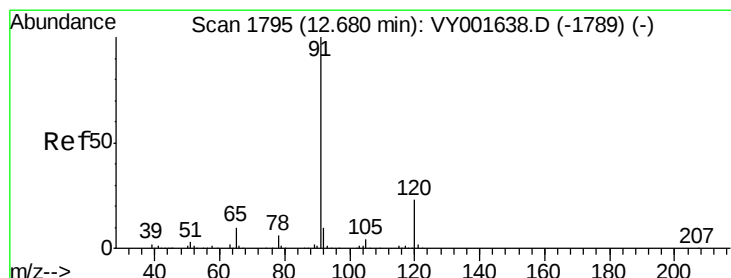
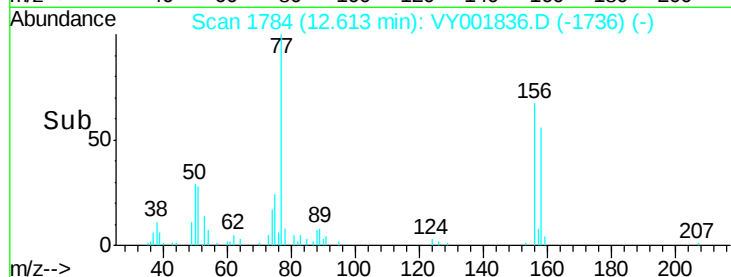
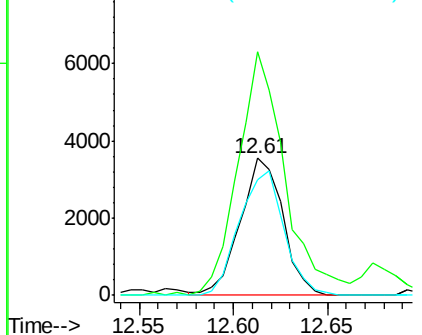
Tot Ion:	156	Resp:	5574
Ion	Ratio	Lower	Upper
156	100		
77	196.2	110.1	330.1
158	95.2	47.9	143.7

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.723 ug/l

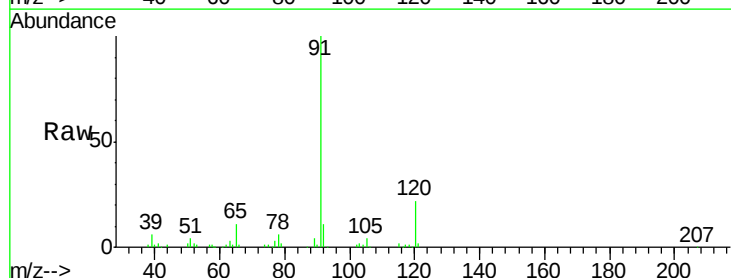
RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

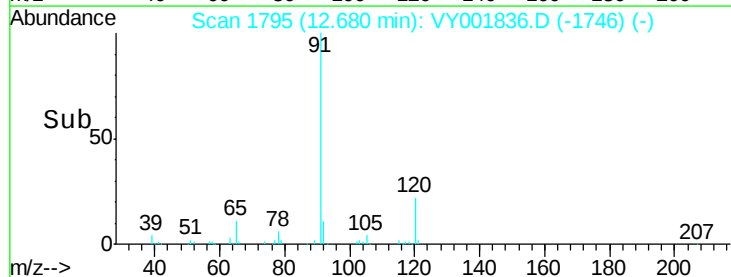
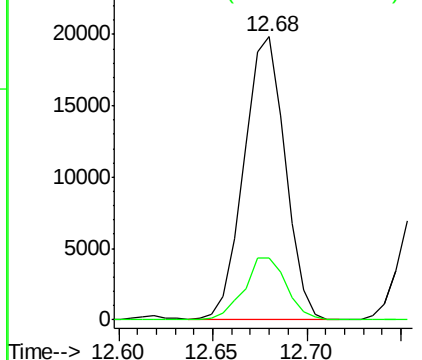
Lab File: VY001836.D

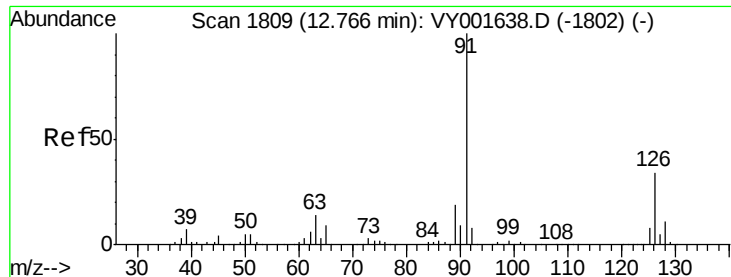
Acq: 03 Mar 2020 15:42

Tgt Ion:	91	Resp:	30102
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





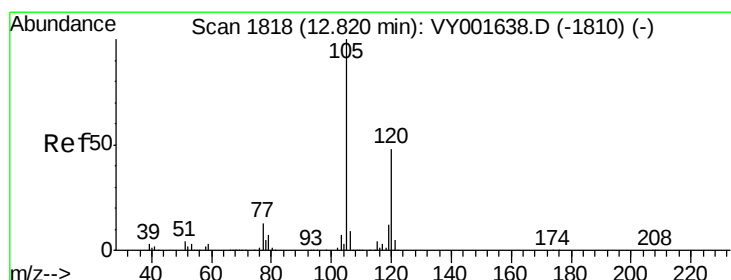
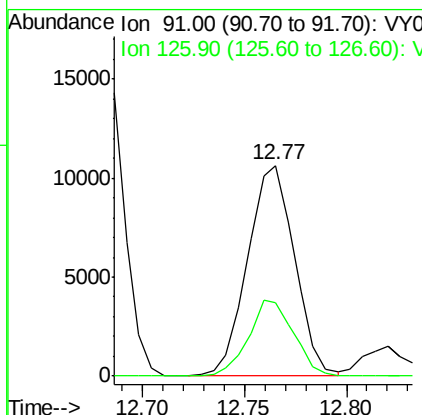
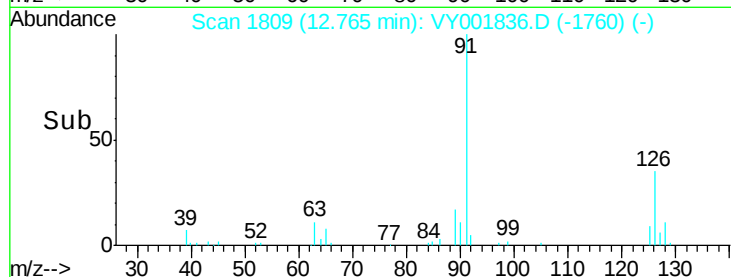
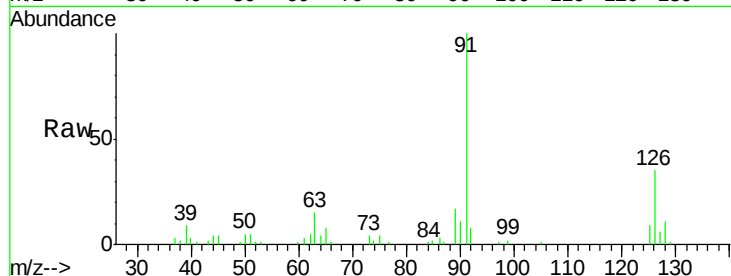
#79
2-Chlorotoluene
Concen: 2.757 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion: 91 Resp: 17096
Ion Ratio Lower Upper
91 100
126 34.5 16.2 48.6

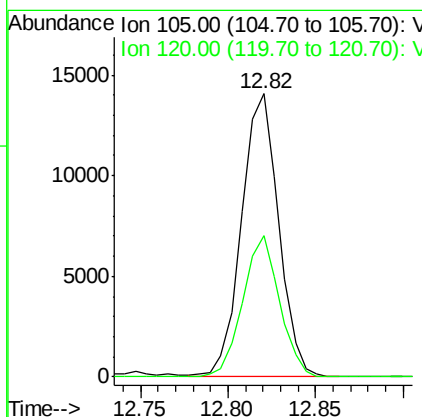
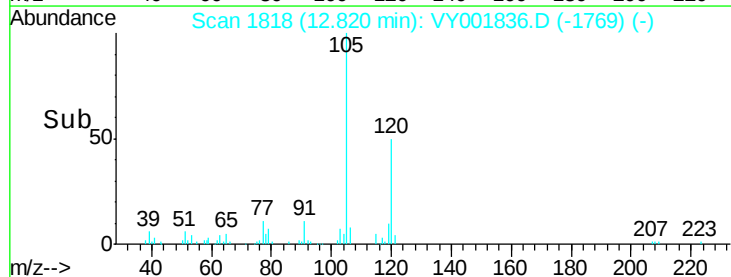
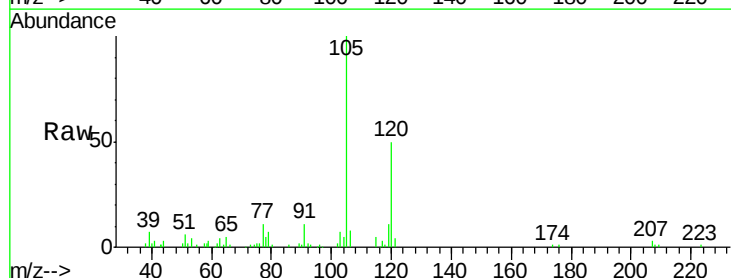
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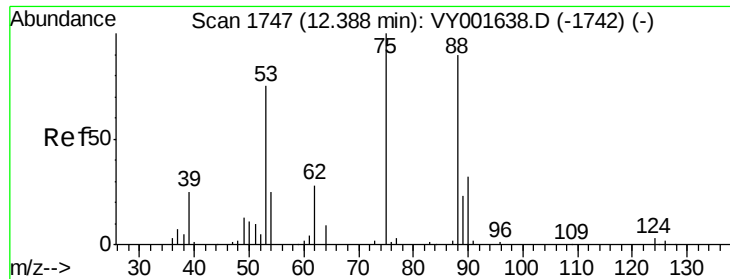
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#80
1,3,5-Trimethylbenzene
Concen: 2.768 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 105 Resp: 20795
Ion Ratio Lower Upper
105 100
120 49.1 24.3 72.9





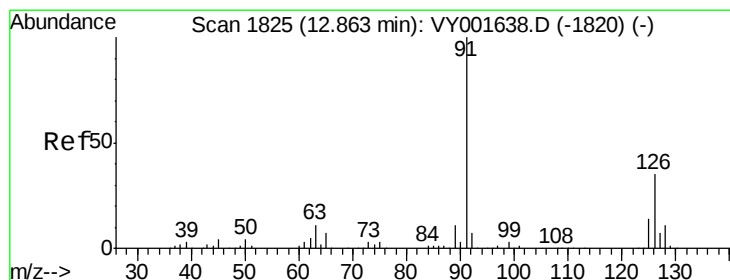
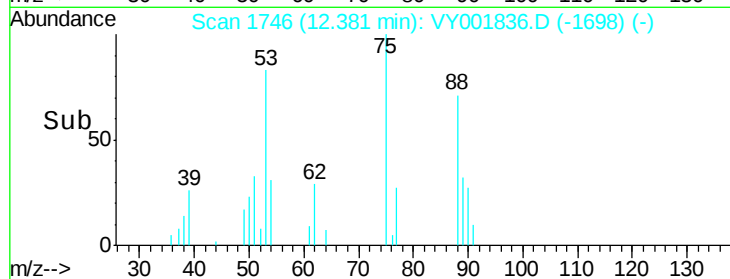
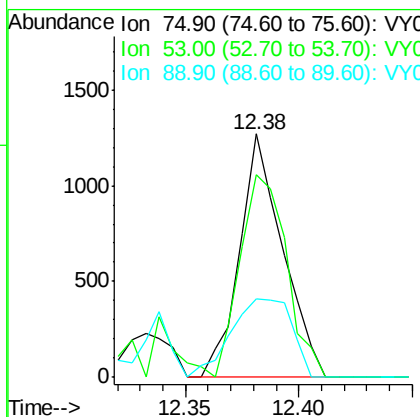
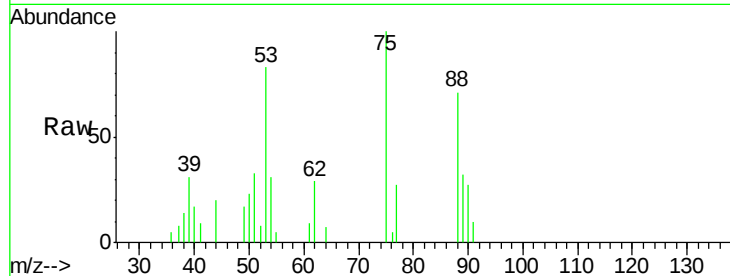
#81
trans-1,4-Dichloro-2-butene
Concen: 2.322 ug/l m
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.5	96.7#
89	14.6	36.3	54.5#

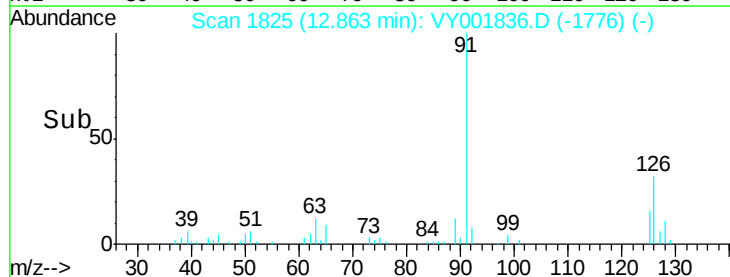
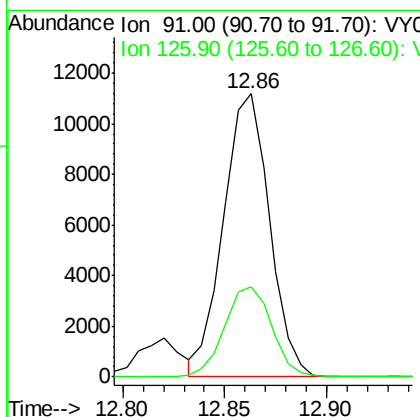
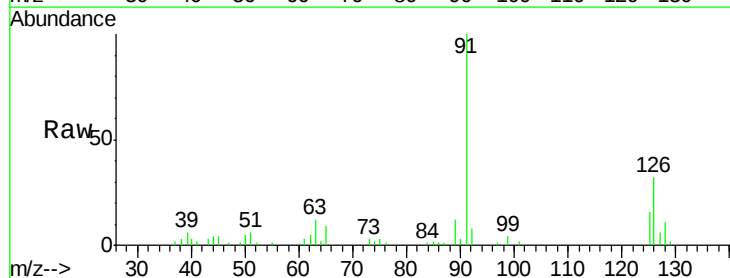
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#82
4-Chlorotoluene
Concen: 2.674 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.6





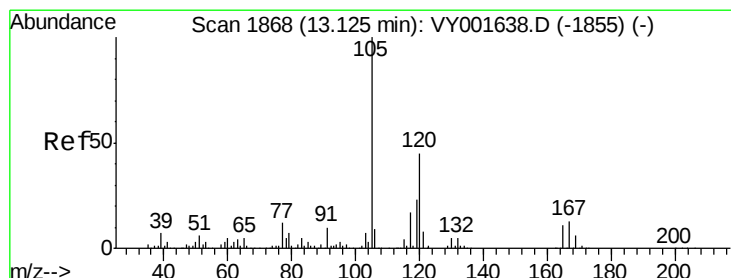
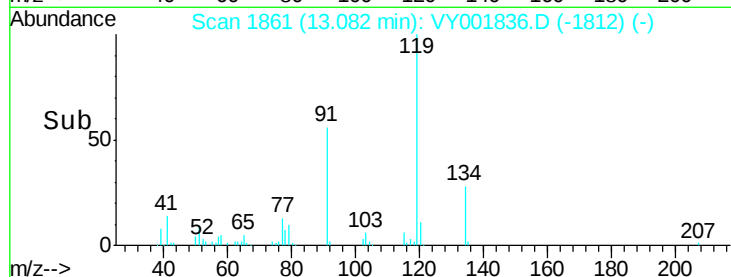
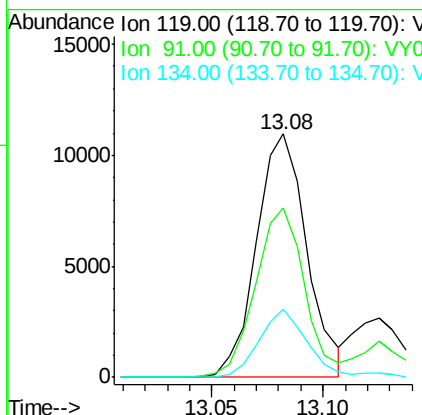
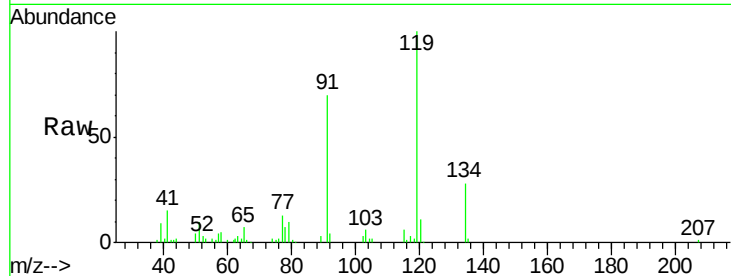
#83
tert-Butylbenzene
Concen: 2.741 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.5	100.5
134	26.2	13.3	39.8

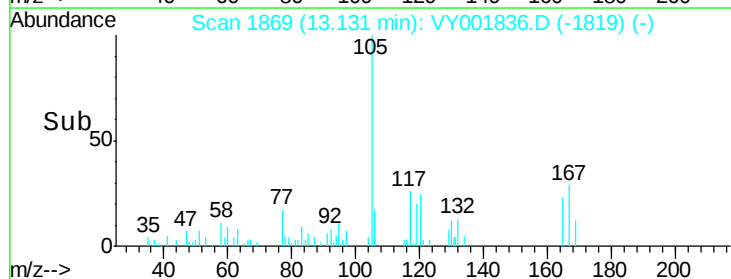
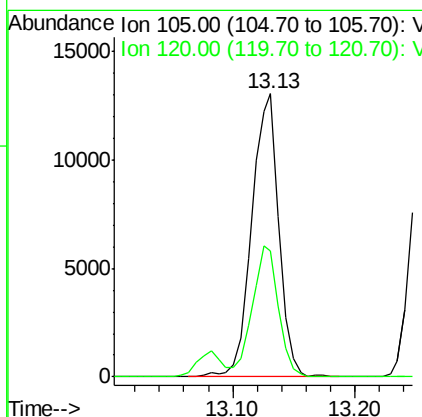
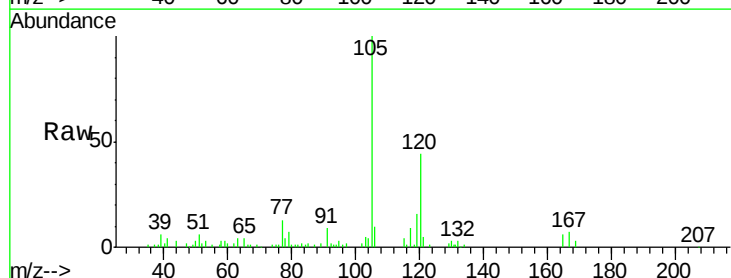
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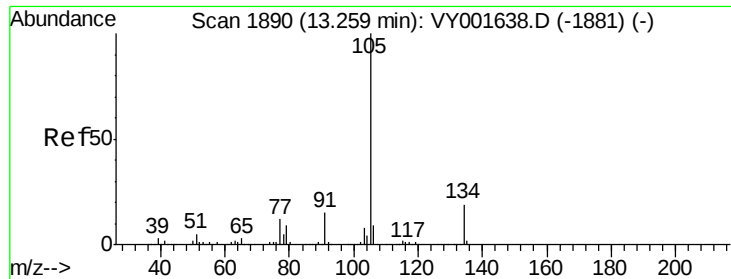
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#84
1,2,4-Trimethylbenzene
Concen: 2.688 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3





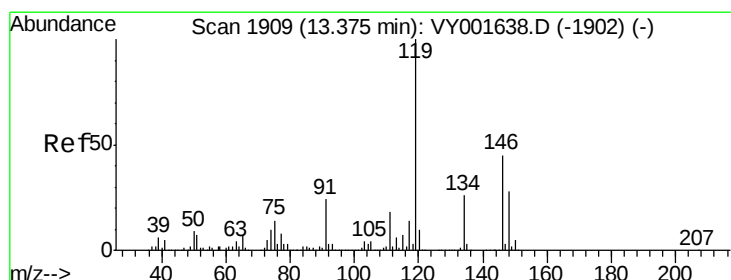
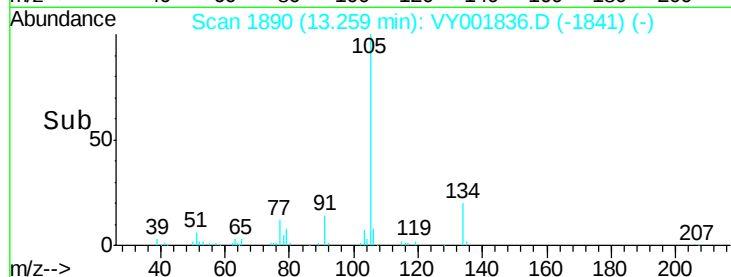
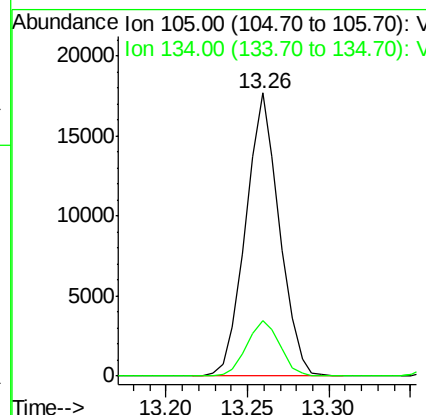
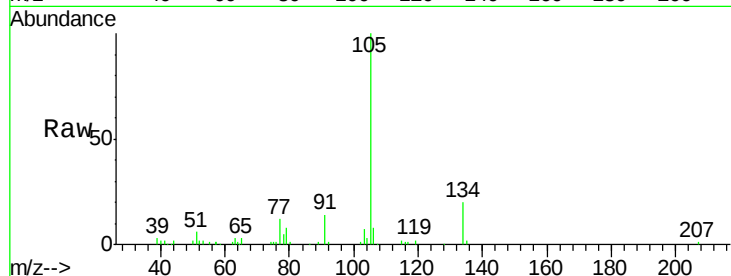
#85
 sec-Butylbenzene
 Concen: 2.746 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.3

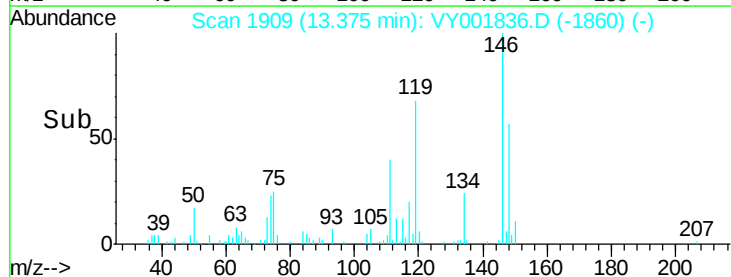
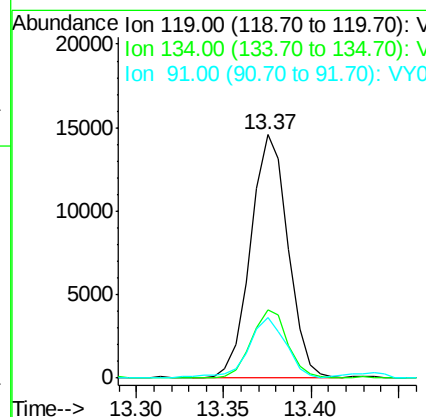
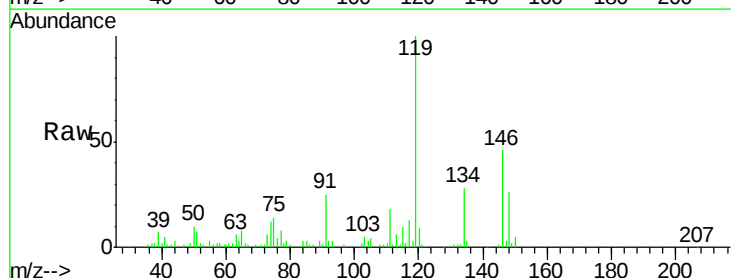
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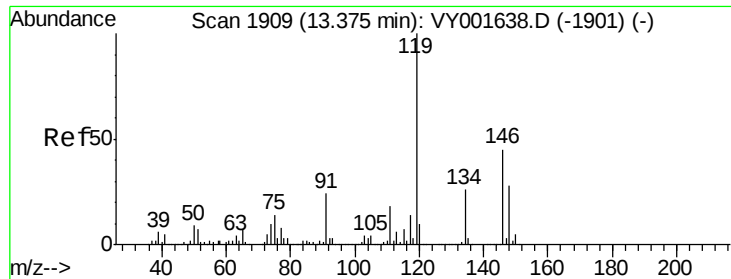
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#86
 p-Isopropyltoluene
 Concen: 2.699 ug/l
 RT: 13.37 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.0	39.0
91	25.0	12.2	36.6





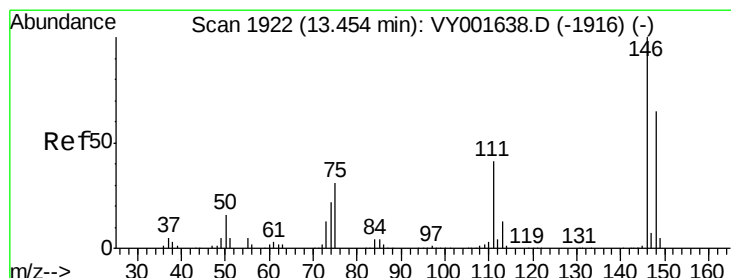
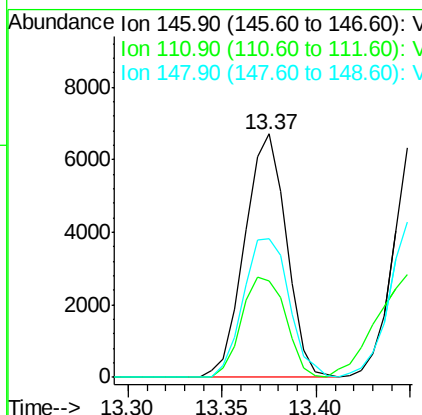
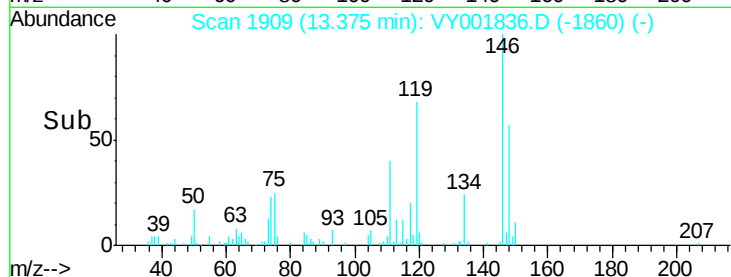
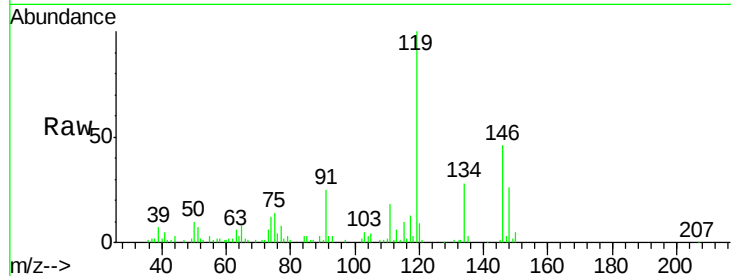
#87
 1,3-Dichlorobenzene
 Concen: 2.697 ug/l
 RT: 13.37 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.4	64.3
148	62.7	31.6	94.7

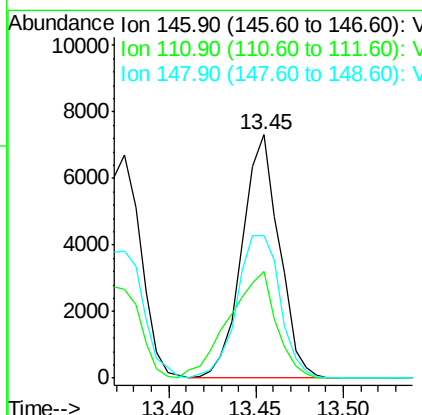
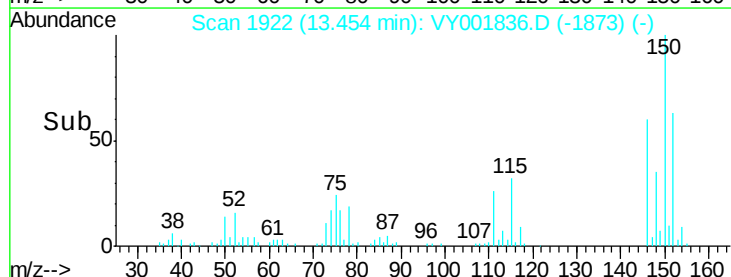
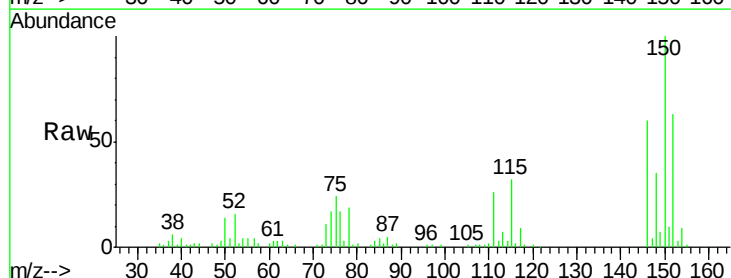
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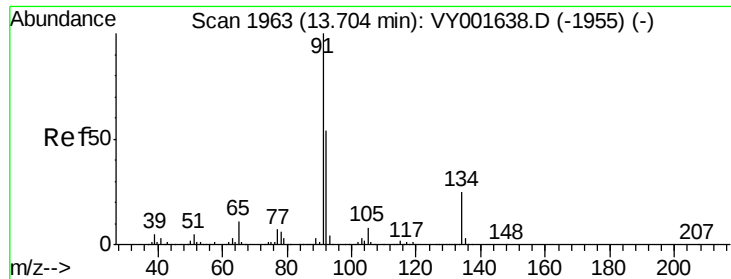
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#88
 1,4-Dichlorobenzene
 Concen: 2.801 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	55.7	20.4	61.3
148	68.8	31.6	94.7





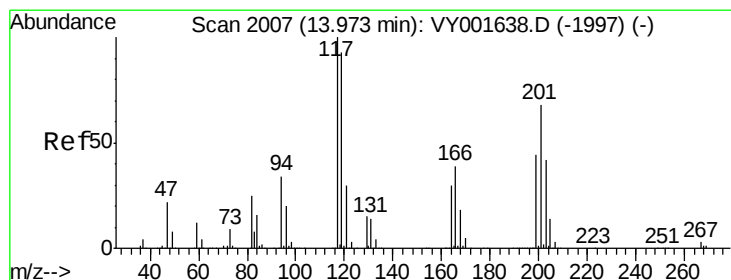
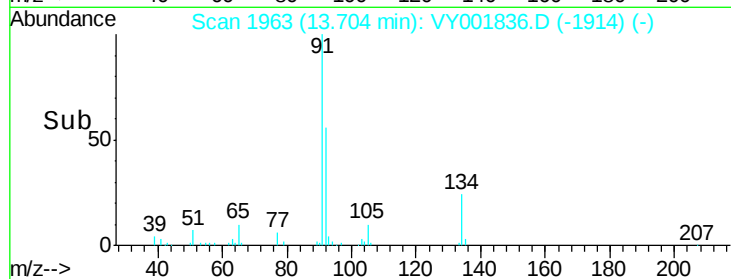
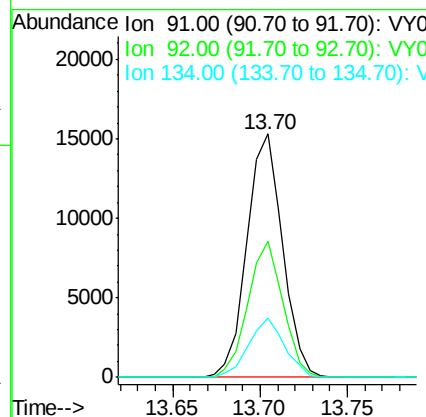
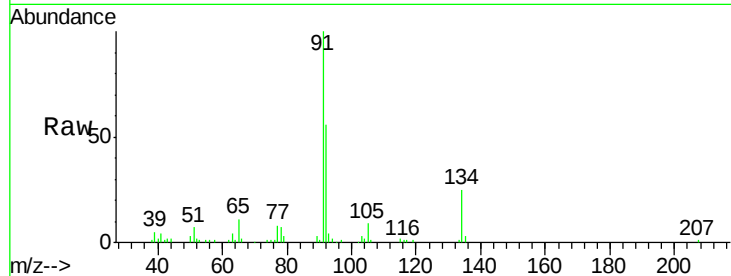
#89
n-Butylbenzene
Concen: 2.647 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.4
134	24.4	12.4	37.4

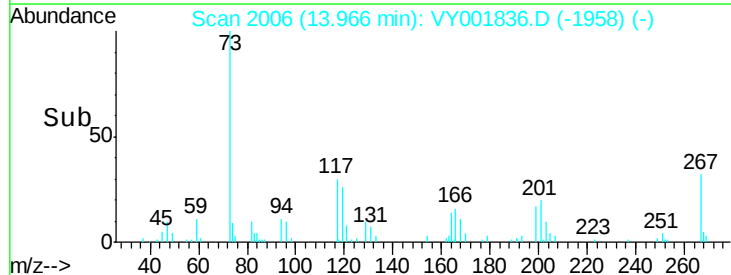
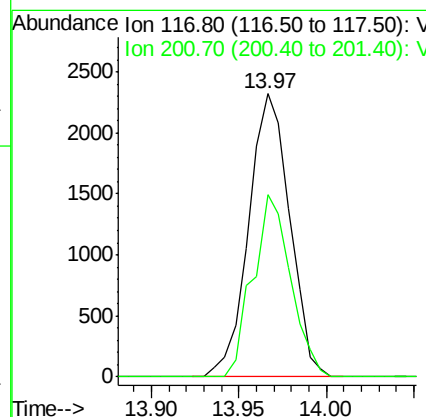
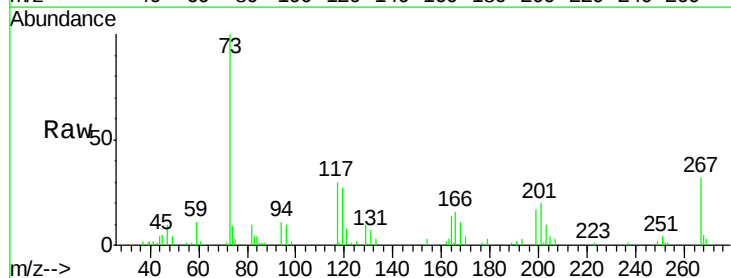
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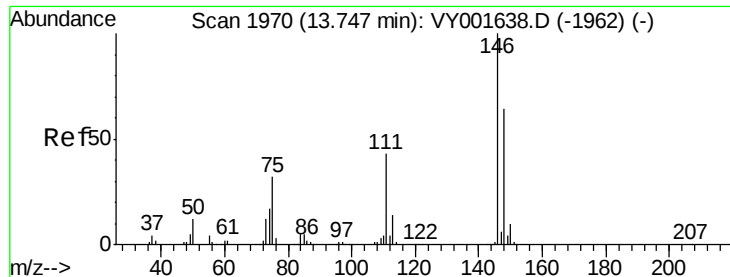
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#90
Hexachloroethane
Concen: 2.499 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.4	32.5	97.4





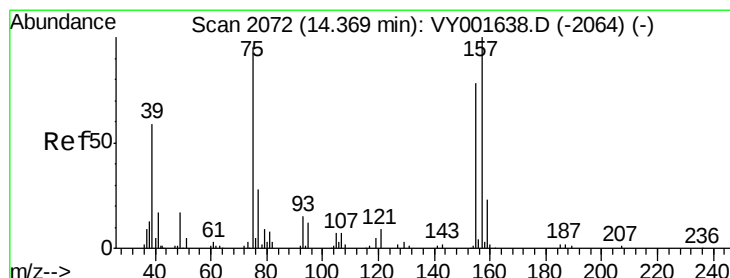
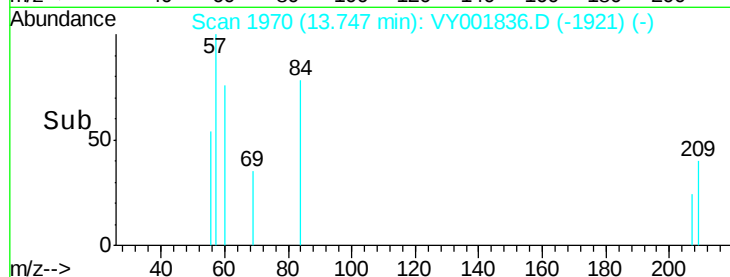
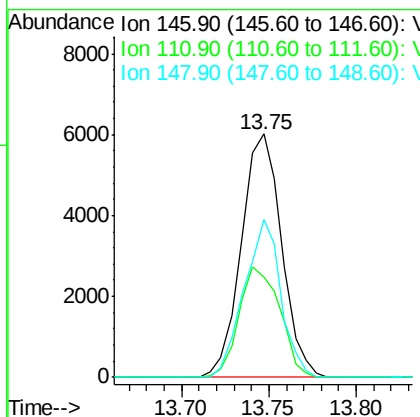
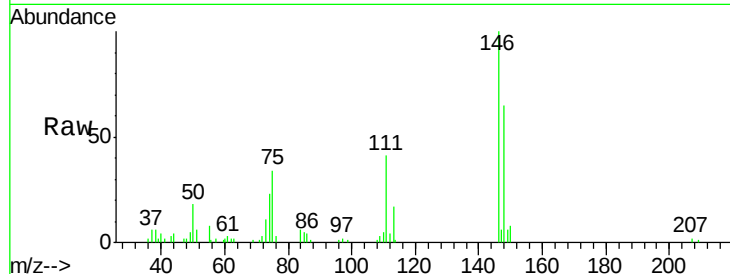
#91
 1,2-Dichlorobenzene
 Concen: 2.731 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	21.9	65.7
148	59.0	31.5	94.5

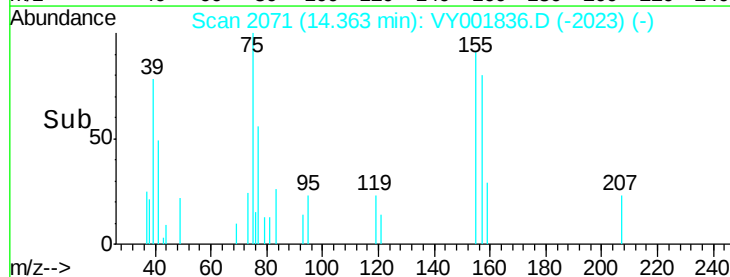
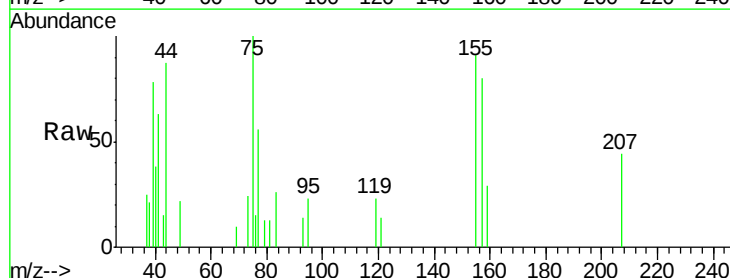
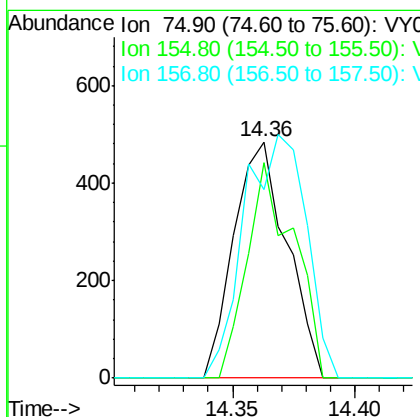
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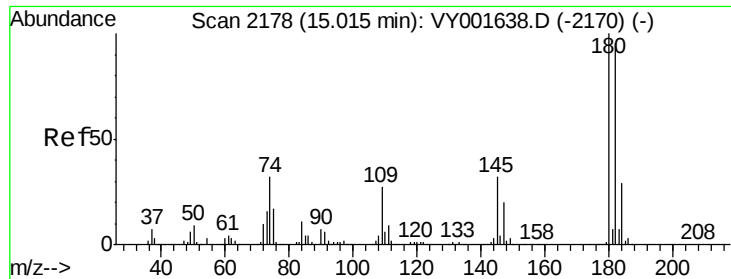
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.289 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.6	40.8	122.4
157	120.2	52.1	156.4





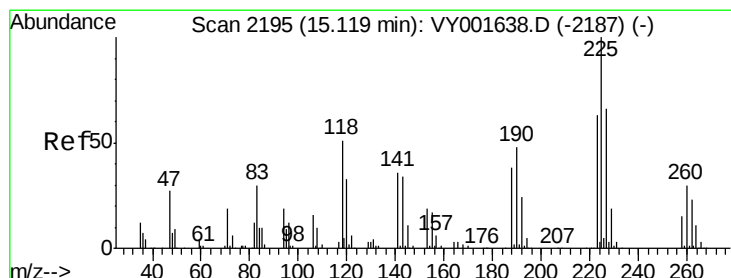
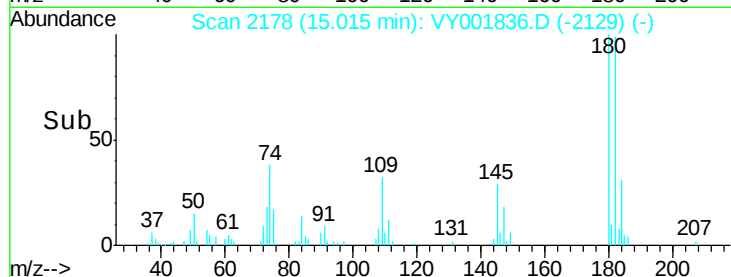
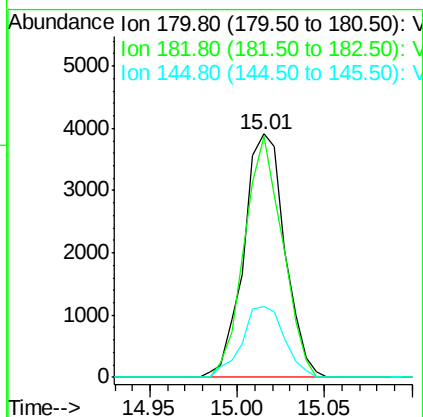
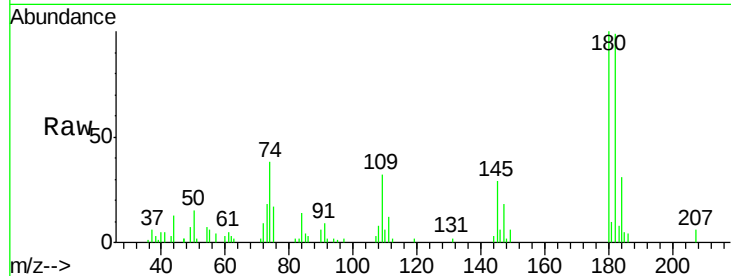
#93
1,2,4-Trichlorobenzene
Concen: 2.738 ug/l
RT: 15.01 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.6	46.8	140.3
145	30.3	16.2	48.5

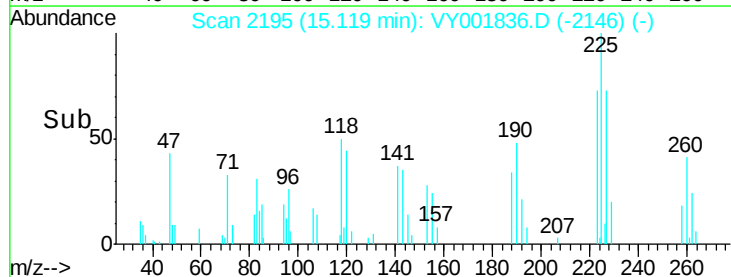
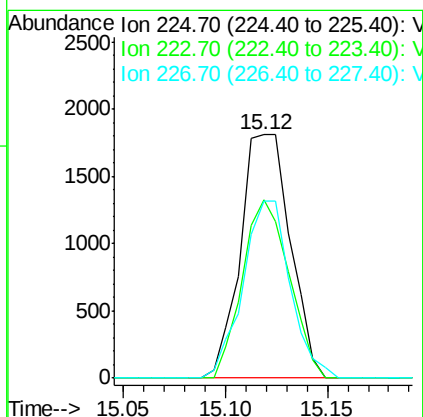
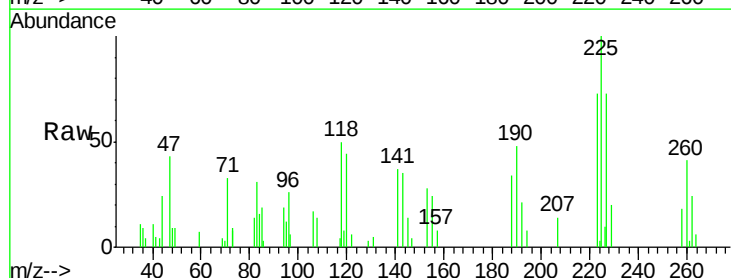
Manual Integrations
APPROVED

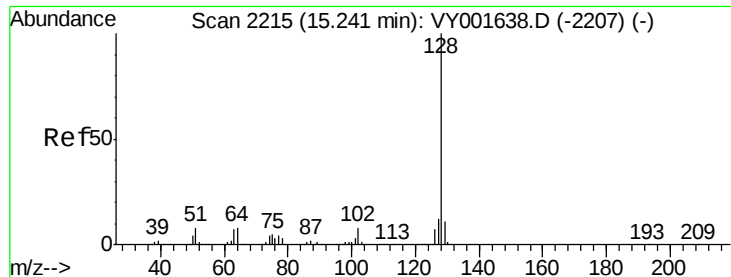
MMDadoda
3/4/2020 2:02:12 PM



#94
Hexachlorobutadiene
Concen: 2.655 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.7	31.4	94.0
227	69.2	31.6	94.8





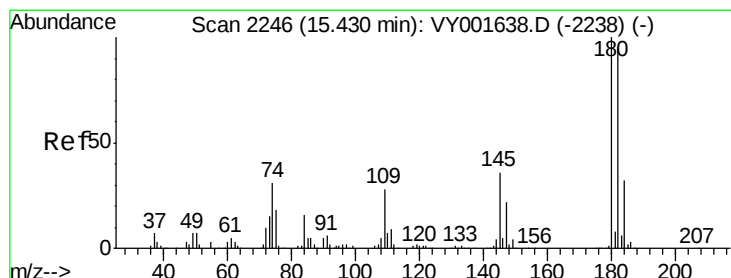
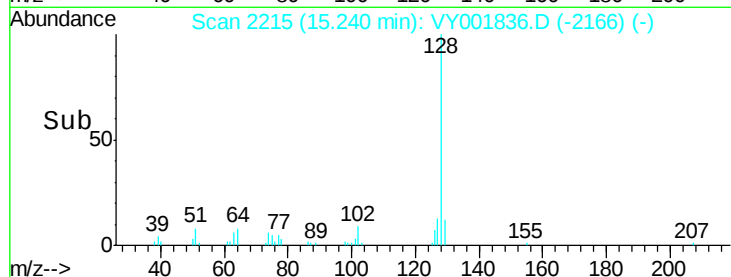
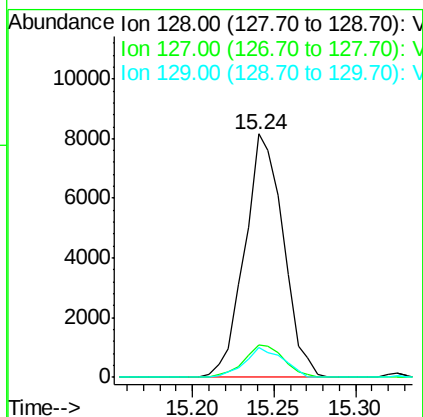
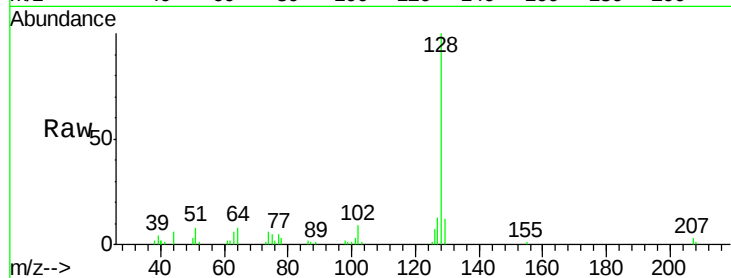
#95
Naphthalene
Concen: 2.498 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	9.9	14.9
129	11.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:02:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.597 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.7	47.2	141.6
145	34.1	17.3	52.0

