

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001830.D
 Acq On : 03 Mar 2020 13:30
 Operator : SY/MD
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:02:06 PM

Quant Time: Mar 04 04:31:55 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	171772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	315656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	284695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	132495	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	91407	49.47	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	7.74	113	84728	46.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.72%	
50) Toluene-d8	10.19	98	343456	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	12.49	95	122629	44.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	8811	5.262	ug/l	95
3) Chloromethane	2.12	50	10551	4.685	ug/l	100
4) Vinyl Chloride	2.26	62	10085	4.440	ug/l	99
5) Bromomethane	2.66	94	7250	5.107	ug/l	97
6) Chloroethane	2.80	64	6576	4.698	ug/l	92
7) Trichlorofluoromethane	3.15	101	16394	5.639	ug/l	99
8) Diethyl Ether	3.55	74	5199	4.536	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	8598	4.705	ug/l	97
10) Methyl Iodide	4.11	142	8252	3.690	ug/l	99
11) Tert butyl alcohol	4.97	59	10322	40.261	ug/l #	84
12) 1,1-Dichloroethene	3.89	96	8438	4.527	ug/l	93
13) Acrolein	3.76	56	2883	15.450	ug/l	98
14) Allyl chloride	4.50	41	15924	4.801	ug/l	97
15) Acrylonitrile	5.20	53	14092	23.988	ug/l	99
16) Acetone	3.97	43	13352	20.885	ug/l	99
17) Carbon Disulfide	4.21	76	26323	4.230	ug/l	100
18) Methyl Acetate	4.50	43	11285	8.106	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	24580	4.737	ug/l	95
20) Methylene Chloride	4.74	84	19814	8.725	ug/l	92
21) trans-1,2-Dichloroethene	5.25	96	9703	4.563	ug/l	99
22) Diisopropyl ether	6.14	45	31025	4.555	ug/l	96
23) Vinyl Acetate	6.09	43	87341	19.657	ug/l	95
24) 1,1-Dichloroethane	6.05	63	17299	4.752	ug/l	99
25) 2-Butanone	7.01	43	19580	22.545	ug/l	97
26) 2,2-Dichloropropane	7.00	77	15336	4.842	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	10816	4.608	ug/l	99
28) Bromochloromethane	7.35	49	6416	4.231	ug/l #	98
29) Tetrahydrofuran	7.37	42	12310	23.451	ug/l	99
30) Chloroform	7.53	83	17017	4.784	ug/l	99
31) Cyclohexane	7.80	56	20428	5.263	ug/l #	72
32) 1,1,1-Trichloroethane	7.72	97	13419	4.488	ug/l	96
36) 1,1-Dichloropropene	7.93	75	13250	4.395	ug/l	99
37) Ethyl Acetate	7.10	43	8460	4.701	ug/l	98
38) Carbon Tetrachloride	7.92	117	11250	4.248	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	17434	4.358	ug/l	95
40) Benzene	8.17	78	40464	4.563	ug/l	95
41) Methacrylonitrile	7.34	41	4745	5.251	ug/l #	86
42) 1,2-Dichloroethane	8.25	62	10719	4.437	ug/l	98
43) Isopropyl Acetate	8.29	43	15236	4.462	ug/l	99
44) Trichloroethene	8.95	130	10009	4.521	ug/l	94
45) 1,2-Dichloropropane	9.22	63	9922	4.468	ug/l	91
46) Dibromomethane	9.32	93	5444	4.687	ug/l	98
47) Bromodichloromethane	9.51	83	11868	4.233	ug/l	89
48) Methyl methacrylate	9.30	41	6733	4.360	ug/l	98
49) 1,4-Dioxane	9.32	88	1412	86.066	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	39968	22.783	ug/l	97
52) Toluene	10.25	92	23715	4.287	ug/l	93
53) t-1,3-Dichloropropene	10.47	75	12844	4.144	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	15595	4.372	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	7900	4.612	ug/l	93
56) Ethyl methacrylate	10.52	69	10757	4.186	ug/l	97
57) 1,3-Dichloropropane	10.80	76	13688	4.498	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	24408	22.747	ug/l	100
59) 2-Hexanone	10.84	43	27264	20.713	ug/l	100
60) Dibromochloromethane	10.99	129	7564	4.006	ug/l	97
61) 1,2-Dibromoethane	11.10	107	7150	4.415	ug/l	97
64) Tetrachloroethene	10.72	164	8519	4.767	ug/l	96
65) Chlorobenzene	11.52	112	25268	4.446	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	7882	4.111	ug/l	96
67) Ethyl Benzene	11.60	91	46543	4.413	ug/l	95
68) m/p-Xylenes	11.70	106	34665	8.798	ug/l	98
69) o-Xylene	12.03	106	16495	4.404	ug/l	96
70) Styrene	12.05	104	27886	4.284	ug/l	99
71) Bromoform	12.21	173	4472	4.081	ug/l #	93
73) Isopropylbenzene	12.33	105	43712	4.331	ug/l	98
74) N-amyl acetate	12.15	43	12991	4.033	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	9600	4.454	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	5381m	3.540	ug/l	
77) Bromobenzene	12.61	156	10035	4.586	ug/l	91
78) n-propylbenzene	12.67	91	53350	4.340	ug/l	100
79) 2-Chlorotoluene	12.76	91	30191	4.379	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	35499	4.249	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	3183	3.973	ug/l	95
82) 4-Chlorotoluene	12.86	91	31139	4.282	ug/l	98
83) tert-Butylbenzene	13.08	119	29945	4.285	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	36299	4.358	ug/l	99
85) sec-Butylbenzene	13.26	105	43781	4.260	ug/l	98
86) p-Isopropyltoluene	13.38	119	38571	4.320	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	19103	4.502	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	19221	4.481	ug/l	91
89) n-Butylbenzene	13.70	91	39585	4.339	ug/l	99
90) Hexachloroethane	13.97	117	6763	4.020	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	17240	4.402	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1551	4.361	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	11290	4.350	ug/l	96
94) Hexachlorobutadiene	15.12	225	5551	4.301	ug/l	98
95) Naphthalene	15.24	128	27042	4.519	ug/l	98
96) 1,2,3-Trichlorobenzene	15.43	180	10265	4.496	ug/l	97

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

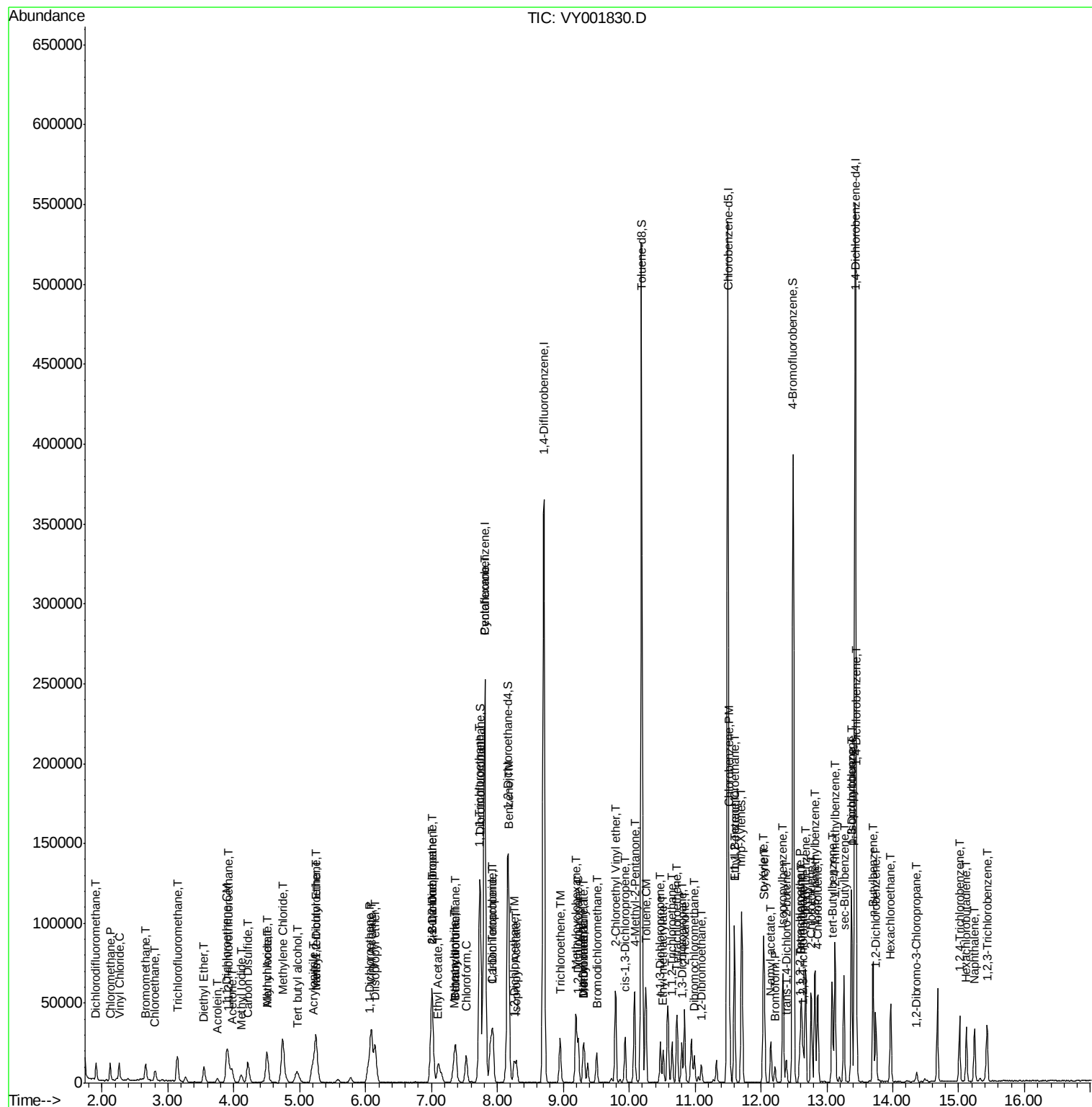
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Data File : VY001830.D
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Operator : SY/MD
Sample : L1161-01 4PPBL0D
Misc : 5.00G/5ML/MSVOA Y/SOIL
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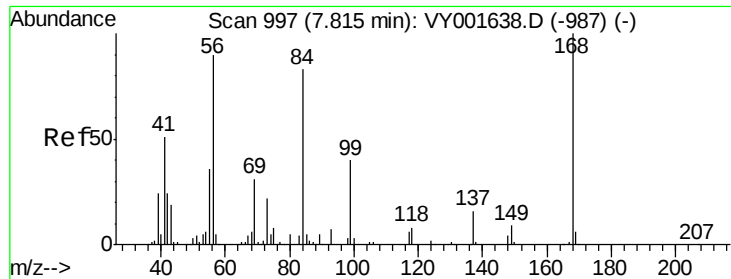
Instrument :
MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:168 Resp: 171772

Ion Ratio Lower Upper

168 100

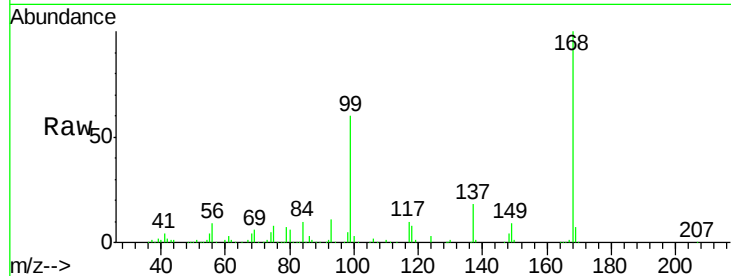
99 60.3 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001830.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001830.D (-948) (-)

7.81

80000

60000

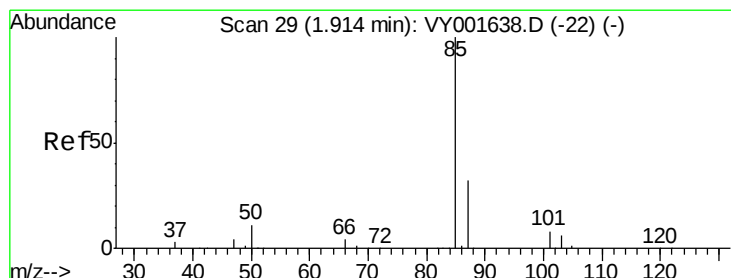
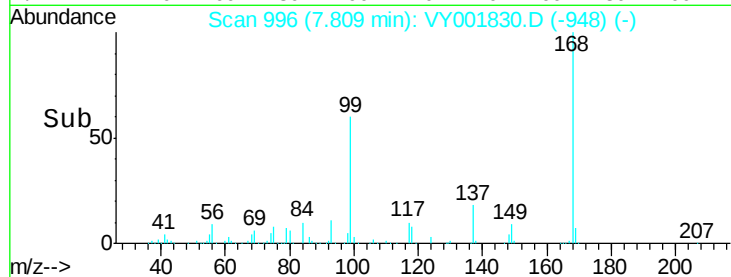
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 5.262 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001830.D

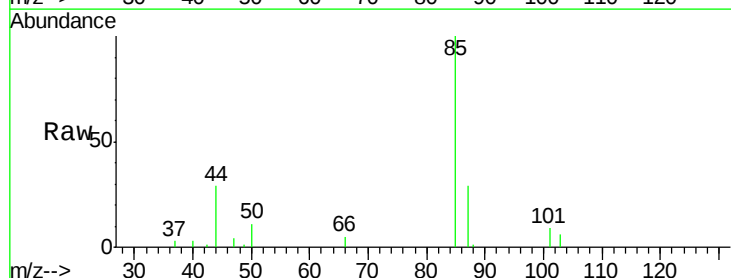
Acq: 03 Mar 2020 13:30

Tgt Ion: 85 Resp: 8811

Ion Ratio Lower Upper

85 100

87 29.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001830.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001830.D (-1) (-)

1.91

6000

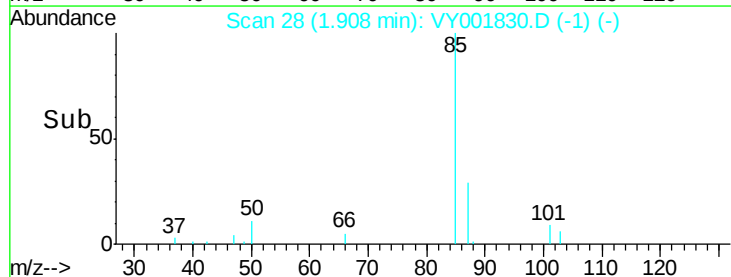
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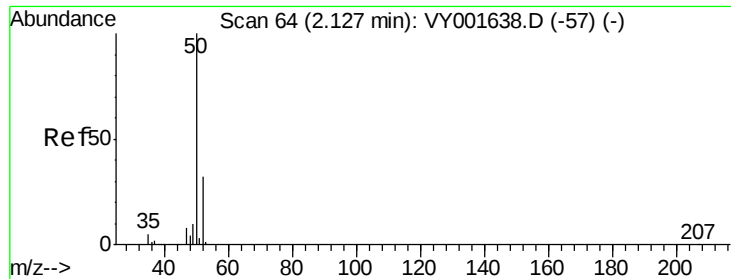
2000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 4.685 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 50 Resp: 10551

Ion Ratio Lower Upper

50 100

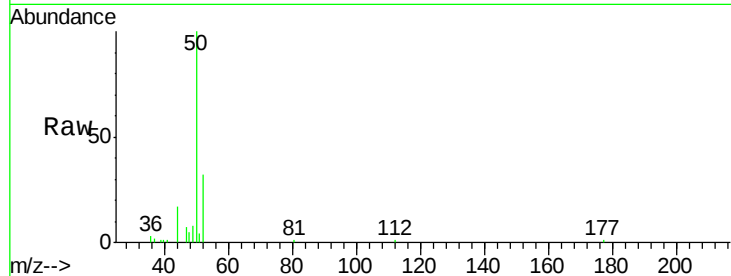
52 32.4 25.8 38.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

8000

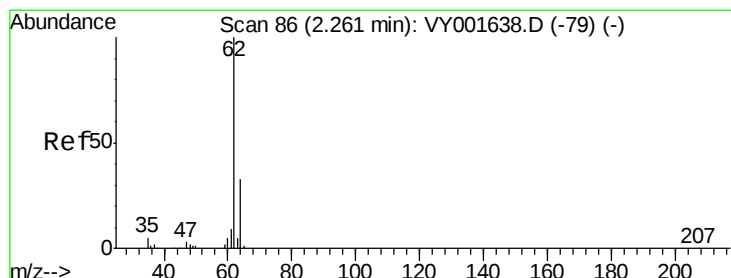
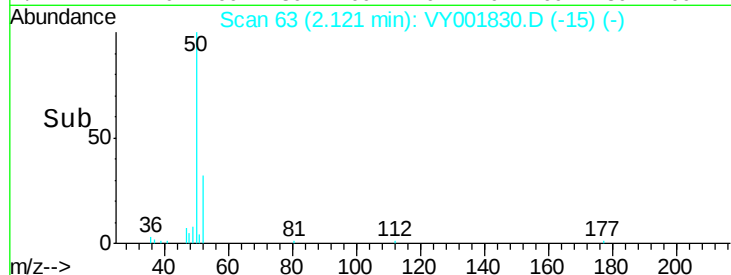
6000

4000

2000

0

Time-->



#4

Vinyl Chloride

Concen: 4.440 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001830.D

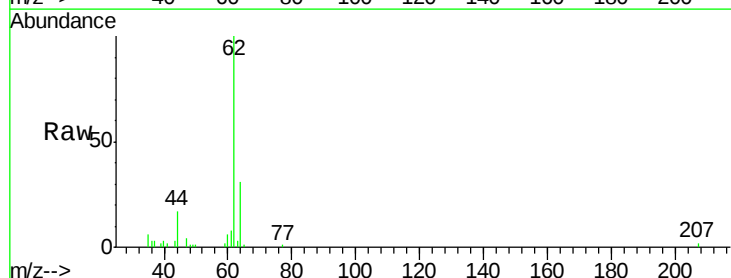
Acq: 03 Mar 2020 13:30

Tgt Ion: 62 Resp: 10085

Ion Ratio Lower Upper

62 100

64 30.7 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

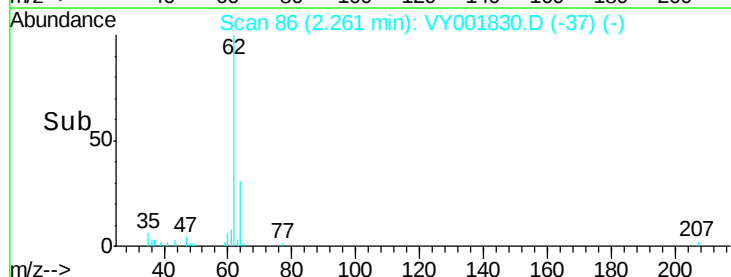
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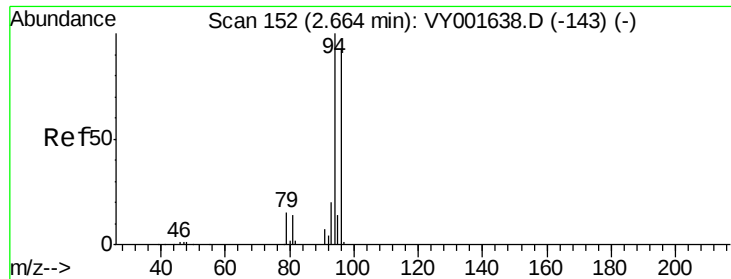
4000

2000

0

Time-->





#5

Bromomethane

Concen: 5.107 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 94 Resp: 7250

Ion Ratio Lower Upper

94 100

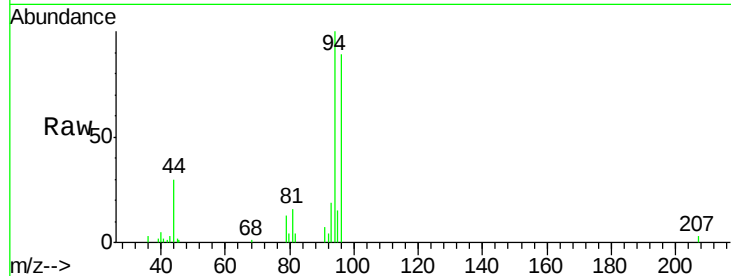
96 89.5 73.7 110.5

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

4000

3000

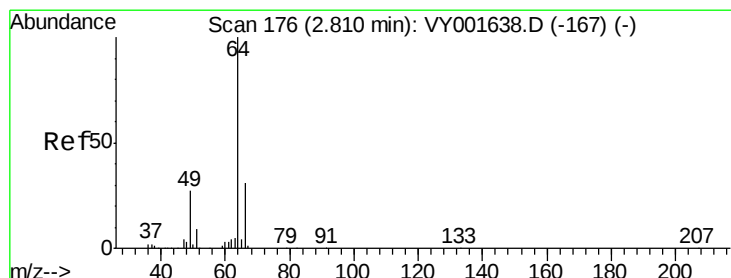
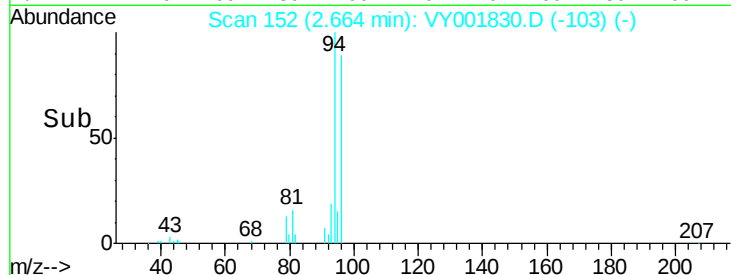
2000

1000

0

2.60 2.65 2.70 2.75

Time-->



#6

Chloroethane

Concen: 4.698 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001830.D

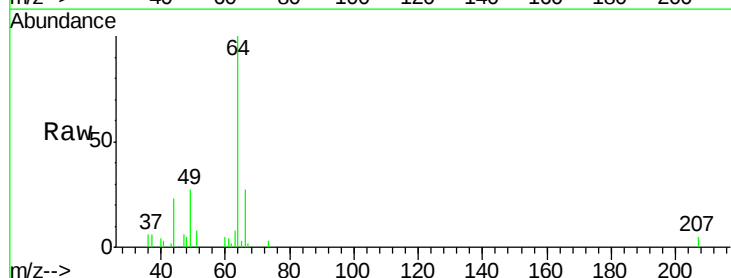
Acq: 03 Mar 2020 13:30

Tgt Ion: 64 Resp: 6576

Ion Ratio Lower Upper

64 100

66 27.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

3000

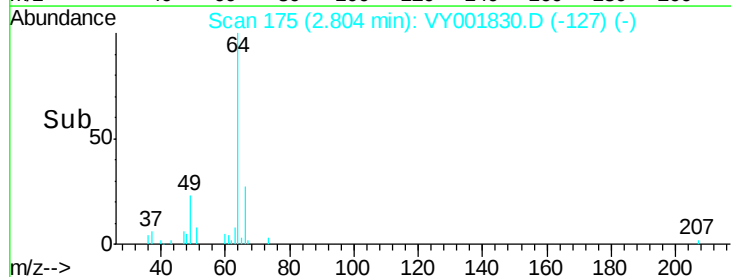
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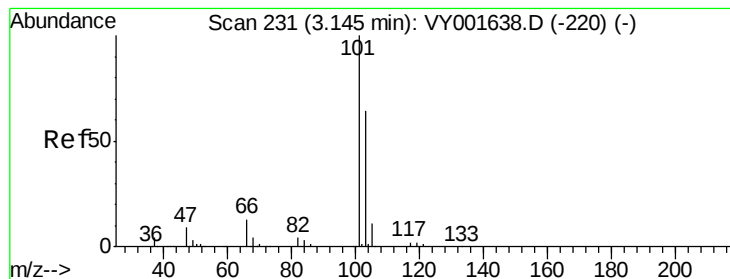
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0

2.75 2.80 2.85 2.90

Time-->





#7

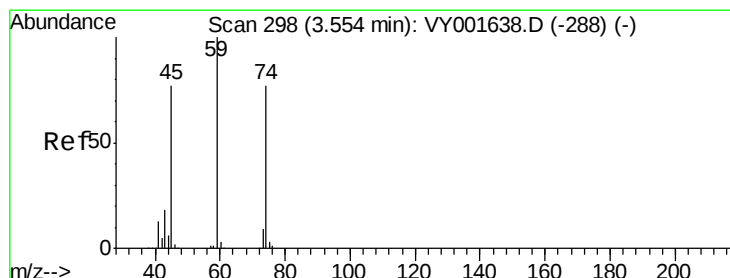
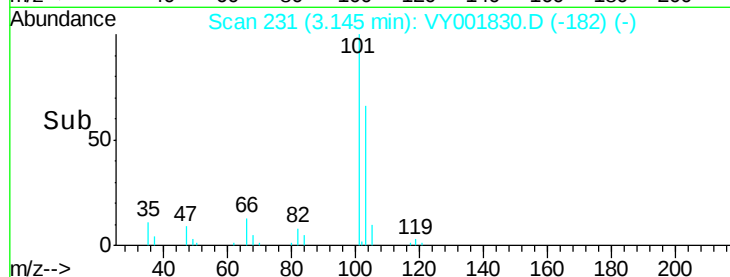
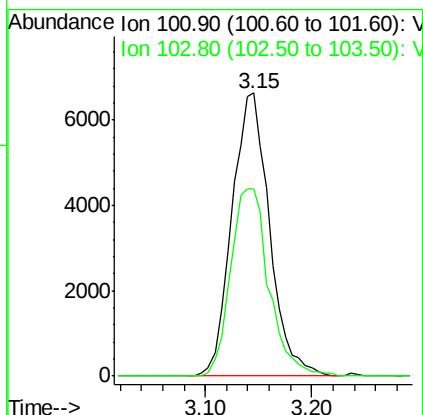
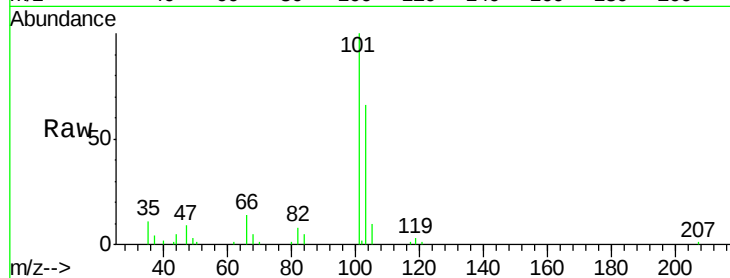
Trichlorofluoromethane
 Concen: 5.639 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY001830.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.2	78.2

Manual Integrations
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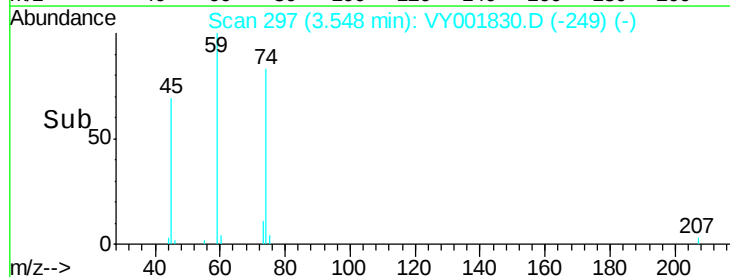
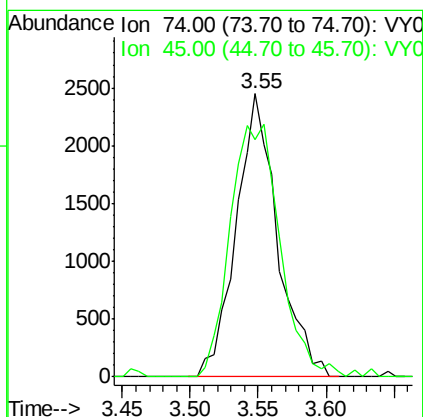
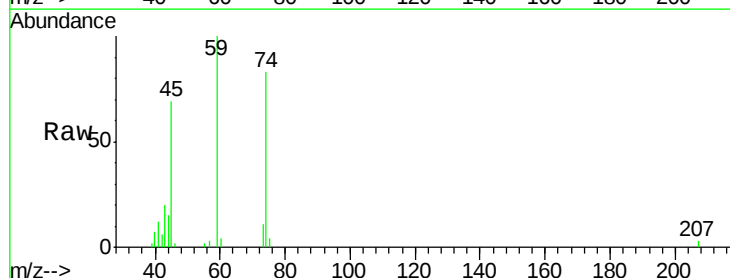
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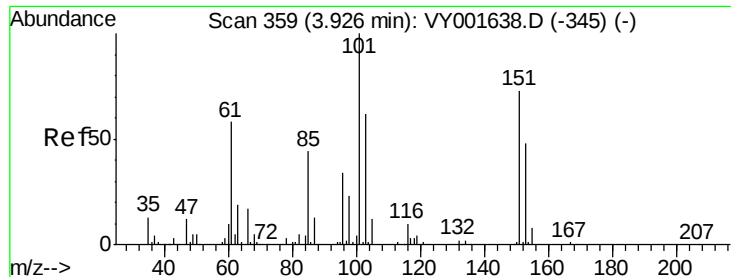


#8

Diethyl Ether
 Concen: 4.536 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.9	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.705 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

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MSVOA_Y

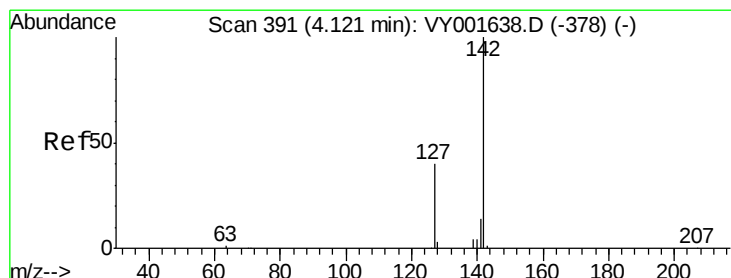
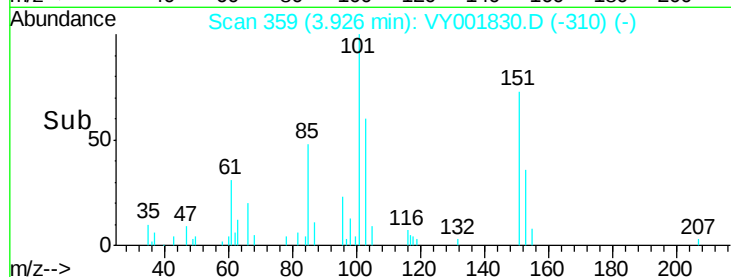
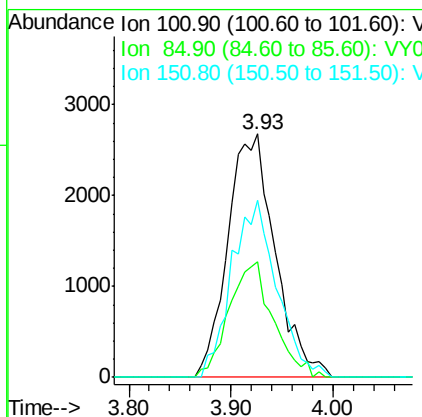
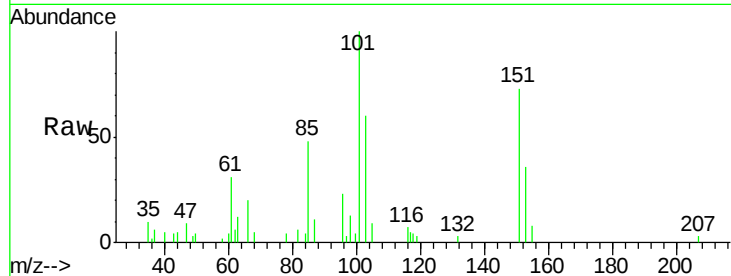
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	101	Resp:	8598
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.1	52.7
151	69.5	58.4	87.6

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MMDadoda
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#10

Methyl Iodide

Concen: 3.690 ug/l

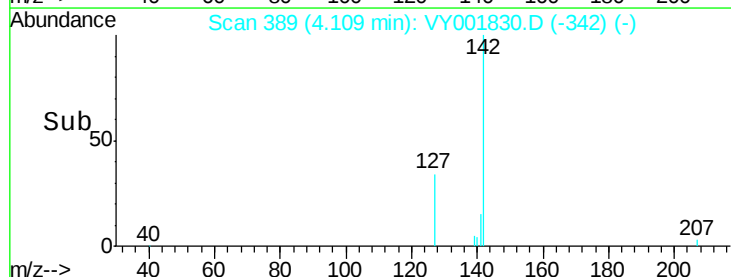
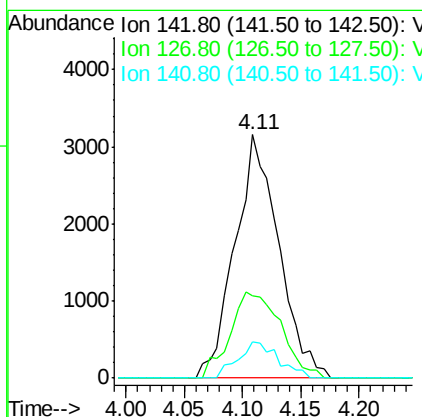
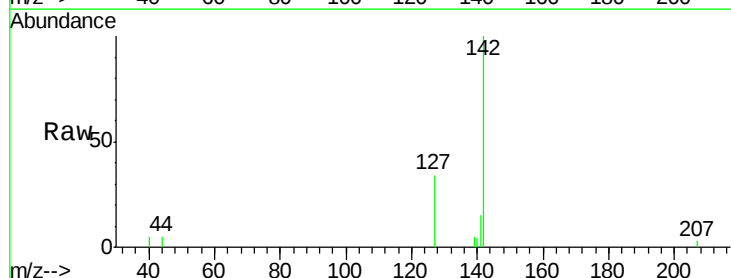
RT: 4.11 min Scan# 389

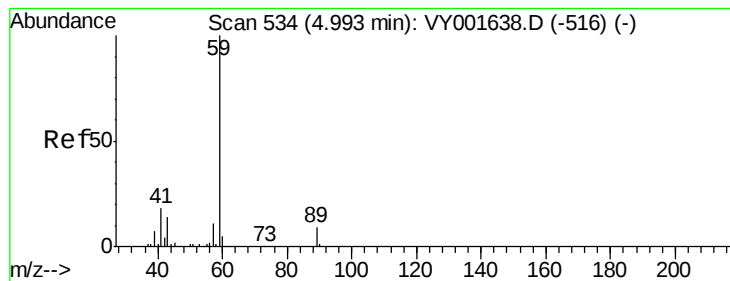
Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Tgt Ion:	142	Resp:	8252
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.1	48.1
141	13.8	11.3	16.9





#11

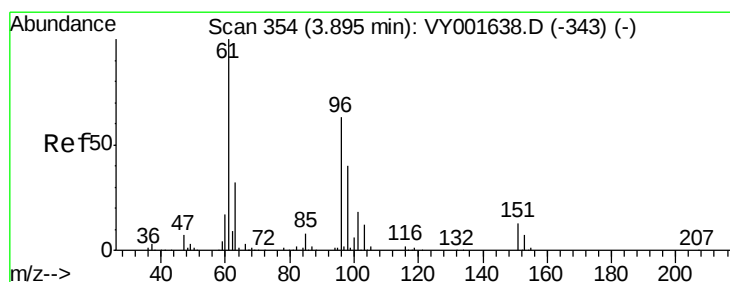
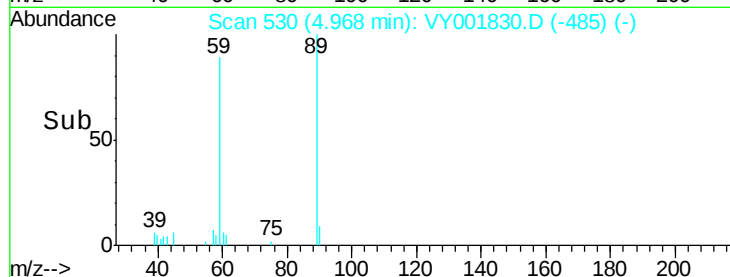
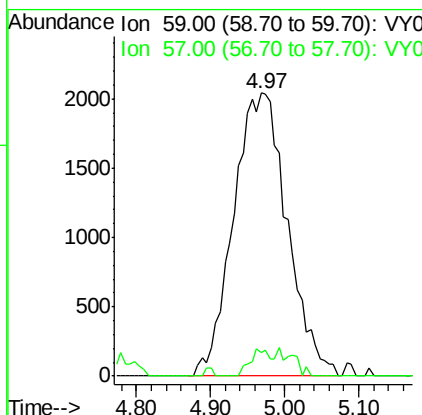
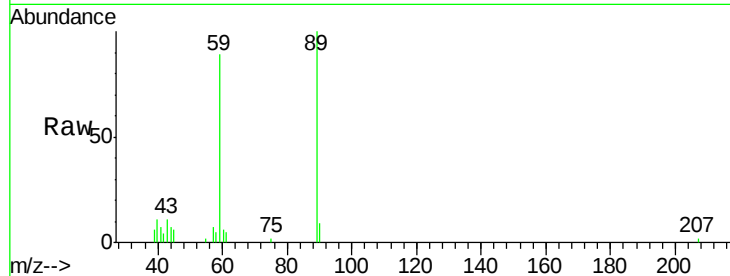
Tert butyl alcohol
 Concen: 40.261 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

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

Tot Ion: 59 Resp: 10322
 Ion Ratio Lower Upper
 59 100
 57 3.3 7.4 11.2#

Manual Integrations
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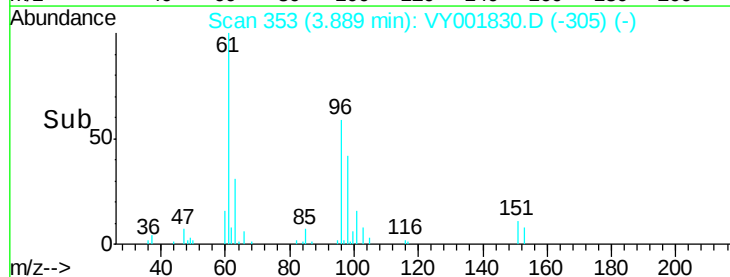
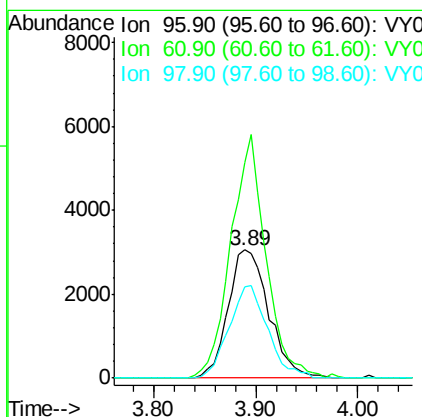
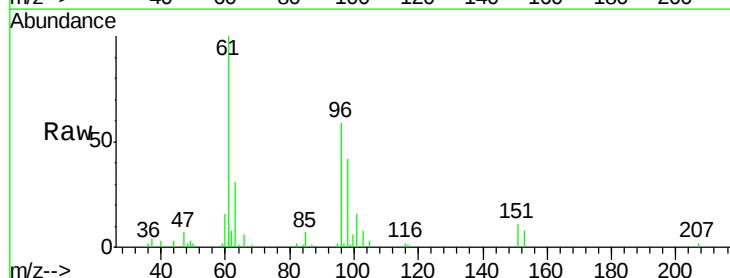
MMDadoda
 3/4/2020 2:02:06 PM

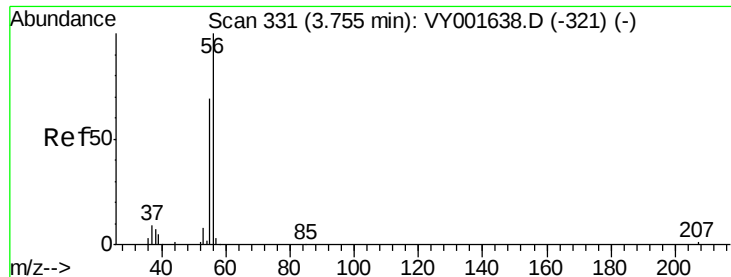


#12

1,1-Dichloroethene
 Concen: 4.527 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion: 96 Resp: 8438
 Ion Ratio Lower Upper
 96 100
 61 168.3 128.7 193.1
 98 71.2 50.7 76.1





#13

Acrolein

Concen: 15.450 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampled :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 56 Resp: 2883

Ion Ratio Lower Upper

56 100

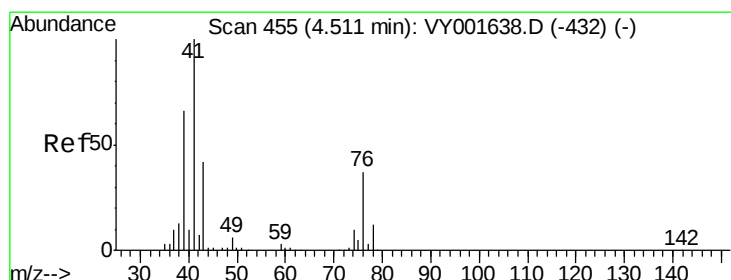
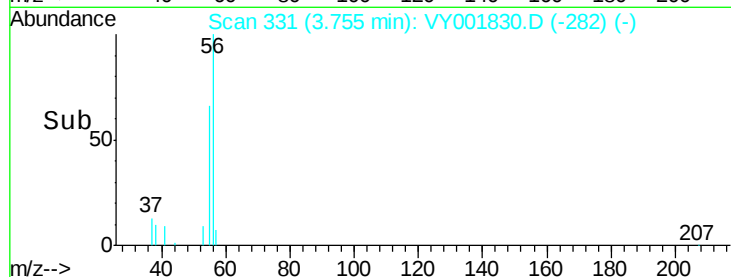
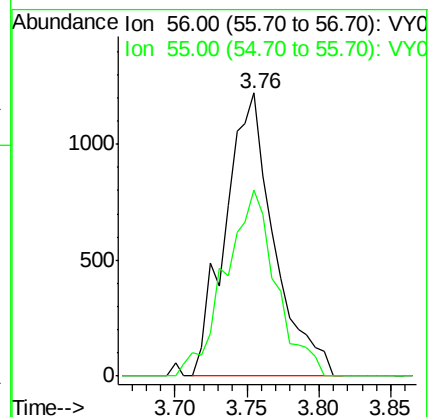
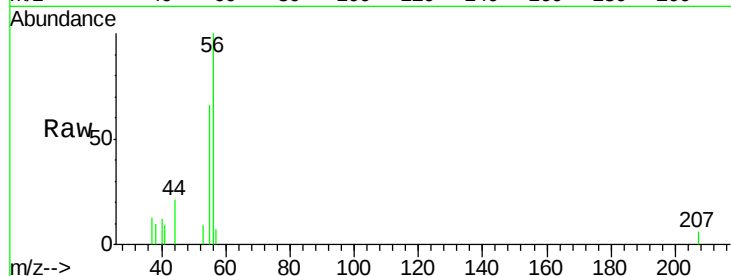
55 68.3 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 4.801 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

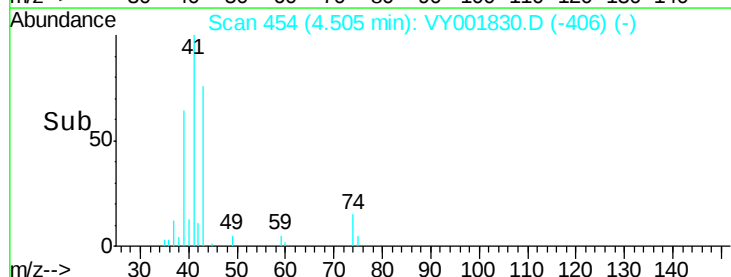
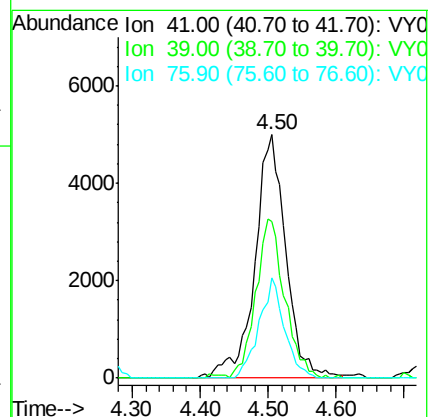
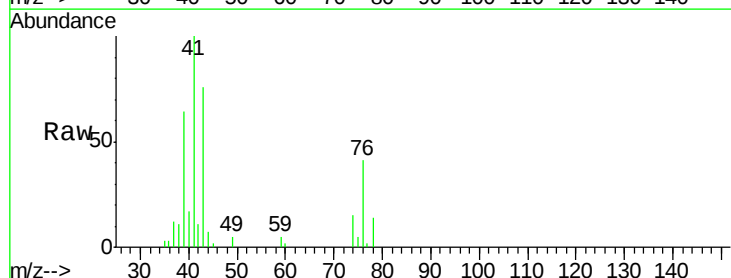
Tgt Ion: 41 Resp: 15924

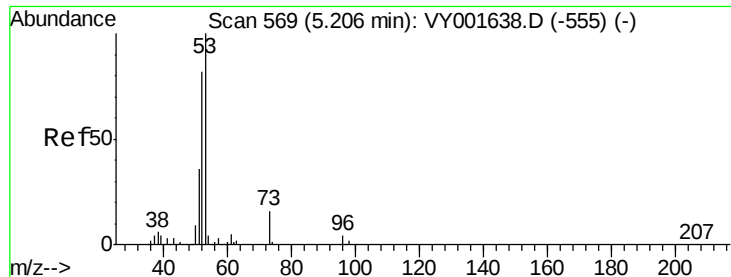
Ion Ratio Lower Upper

41 100

39 60.5 49.4 74.0

76 33.8 29.0 43.6





#15

Acrylonitrile

Concen: 23.988 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

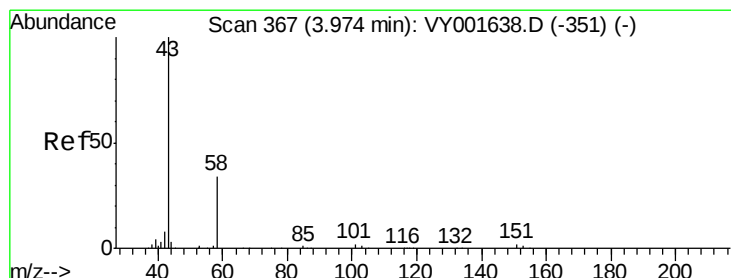
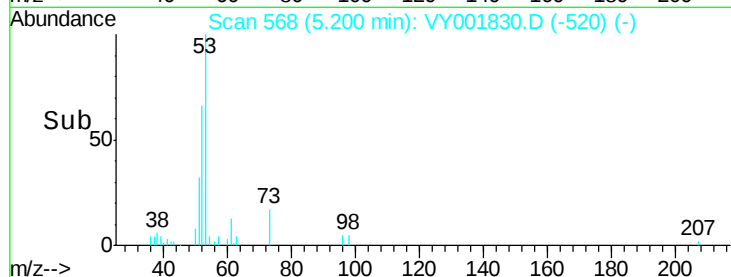
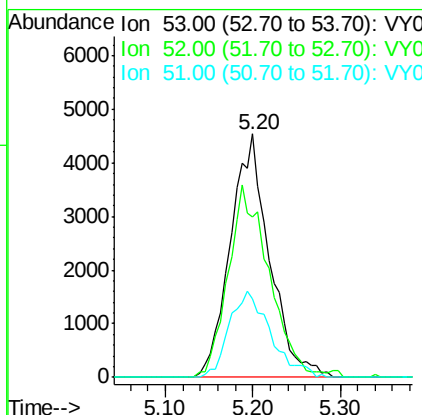
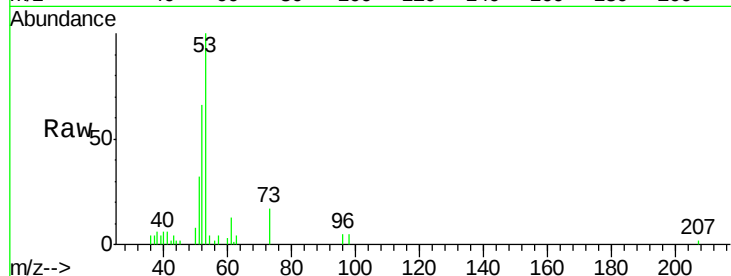
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	53	Resp:	14092
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.4	98.0
51	37.2	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 20.885 ug/l

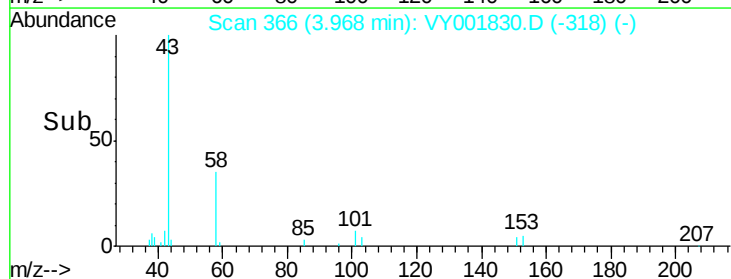
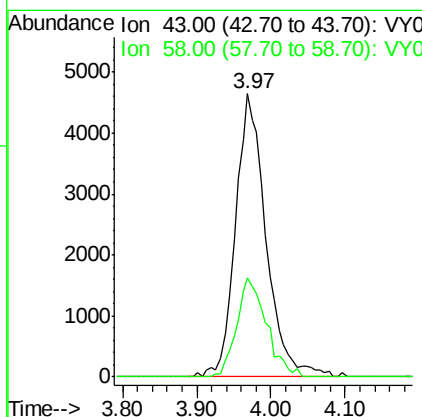
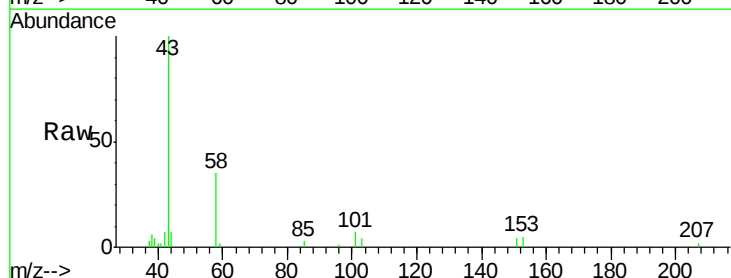
RT: 3.97 min Scan# 366

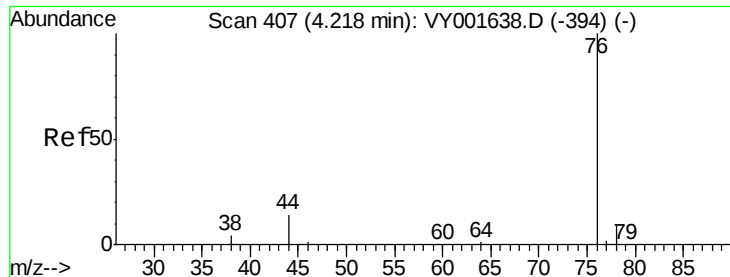
Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Tgt Ion:	43	Resp:	13352
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.3	40.9





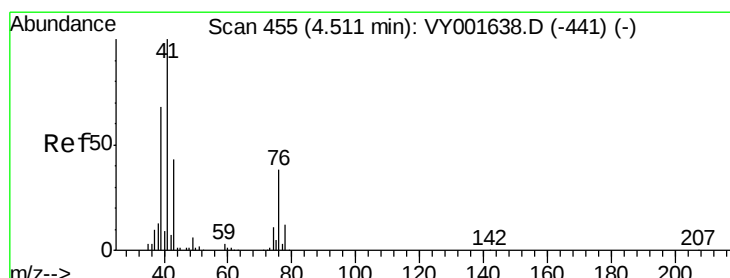
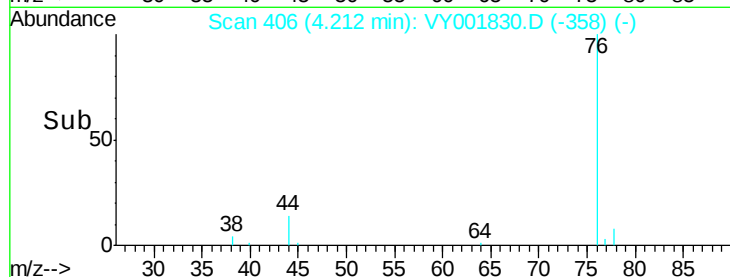
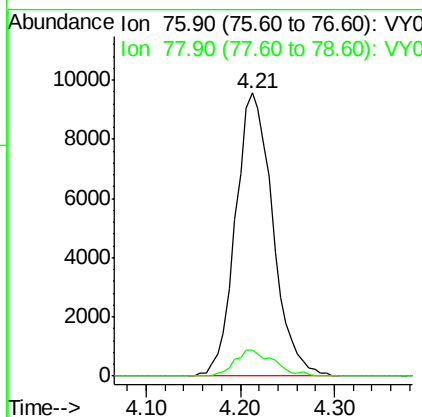
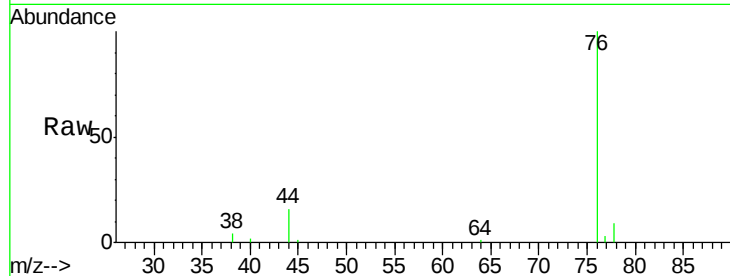
#17
Carbon Disulfide
Concen: 4.230 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion: 76 Resp: 26323
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

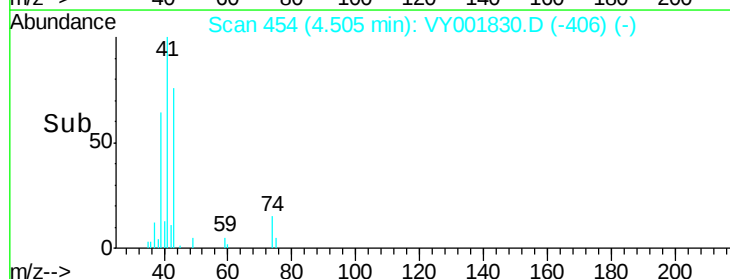
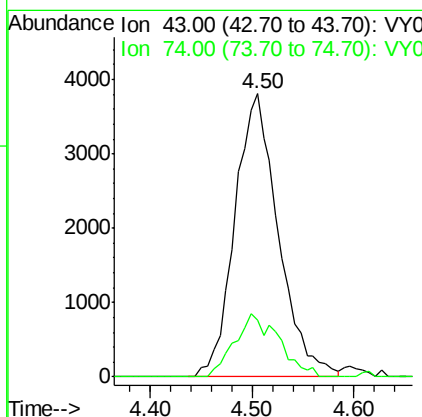
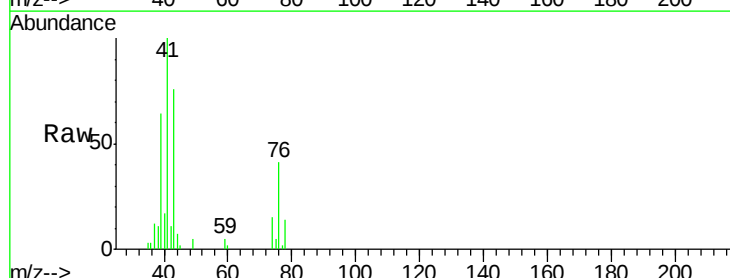
Manual Integrations
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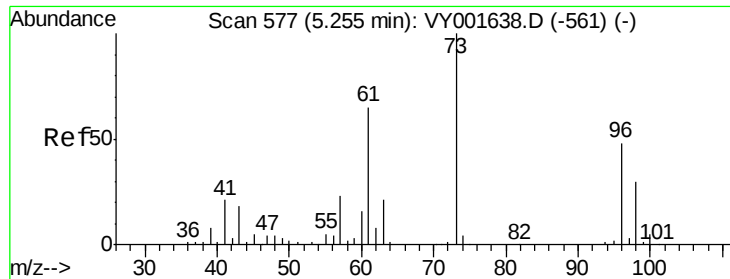
MMDadoda
3/4/2020 2:02:06 PM



#18
Methyl Acetate
Concen: 8.106 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 43 Resp: 11285
Ion Ratio Lower Upper
43 100
74 22.6 19.1 28.7





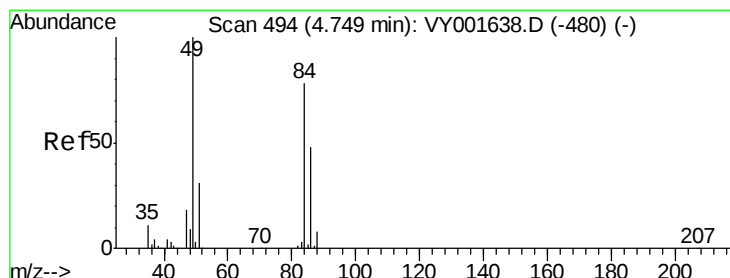
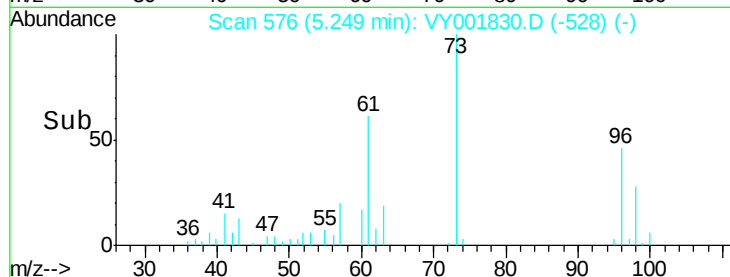
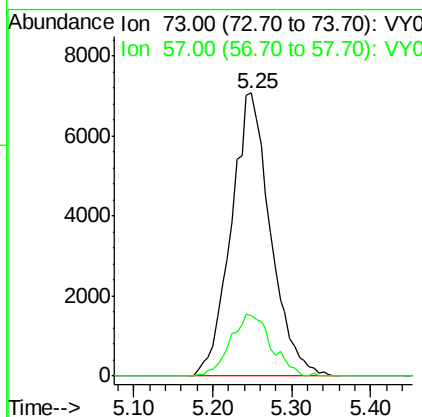
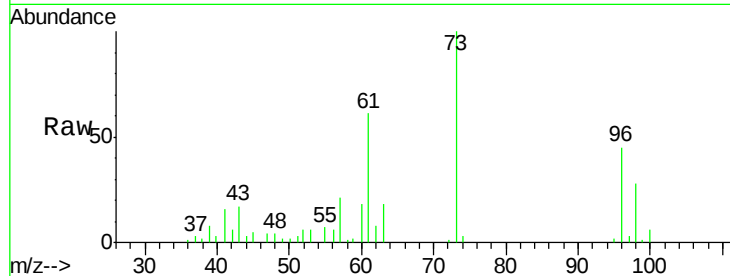
#19
Methvl tert-butvl Ether
Concen: 4.737 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion: 73 Resp: 24580
Ion Ratio Lower Upper
73 100
57 21.4 19.0 28.6

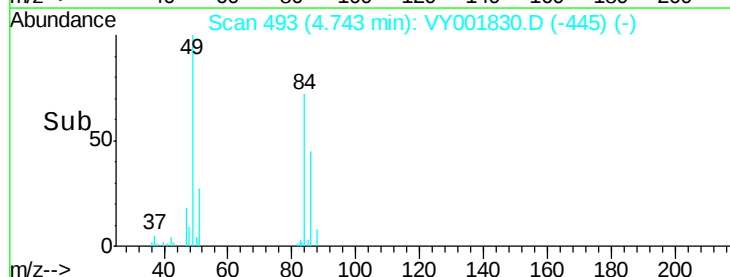
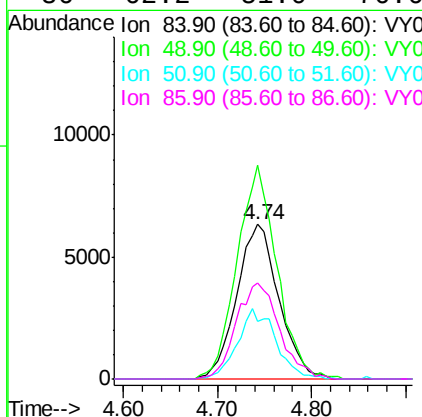
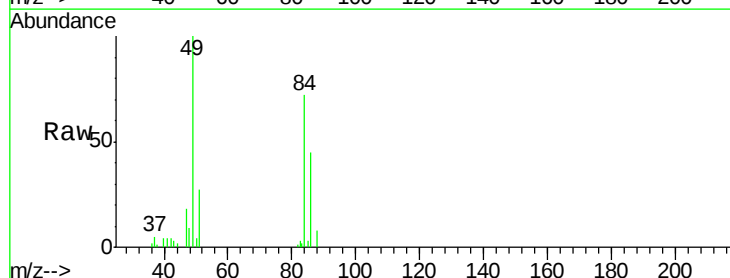
Manual Integrations
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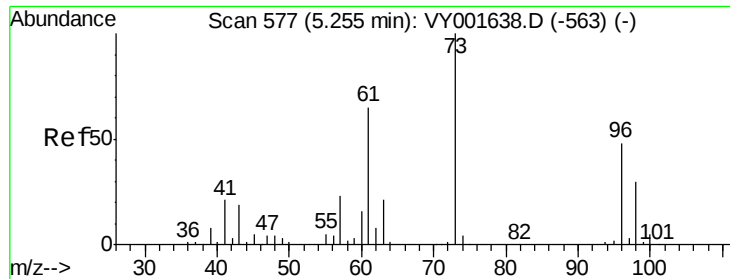
MMDadoda
3/4/2020 2:02:06 PM



#20
Methylene Chloride
Concen: 8.725 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 84 Resp: 19814
Ion Ratio Lower Upper
84 100
49 137.9 99.2 148.8
51 37.6 31.5 47.3
86 62.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 4.563 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

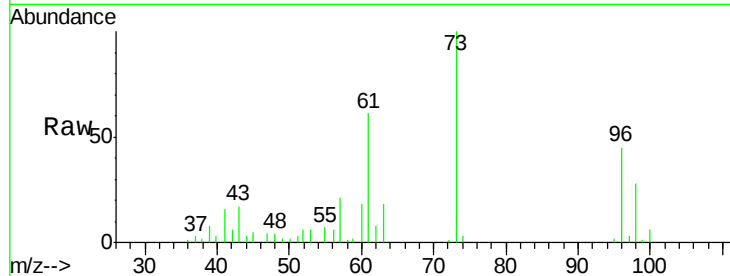
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	96	Resp:	9703
Ion	Ratio	Lower	Upper
96	100		
61	137.0	107.9	161.9
98	62.3	49.8	74.8

Manual Integrations
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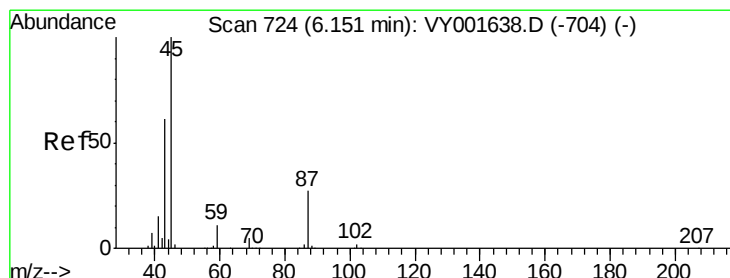
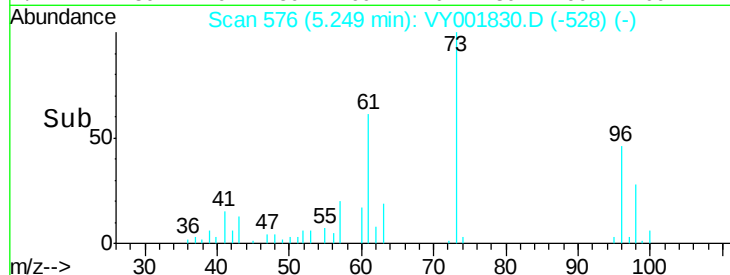
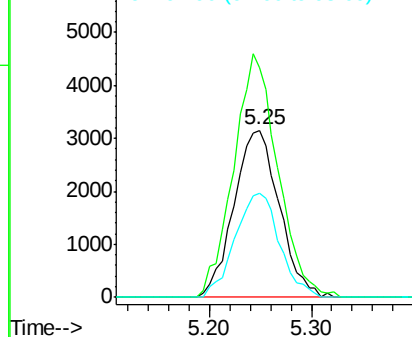


Abundance

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



#22

Diisopropyl ether

Concen: 4.555 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Tgt Ion:	45	Resp:	31025
Ion	Ratio	Lower	Upper
45	100		
43	59.6	46.4	69.6
87	22.8	22.1	33.1
59	10.6	9.4	14.0

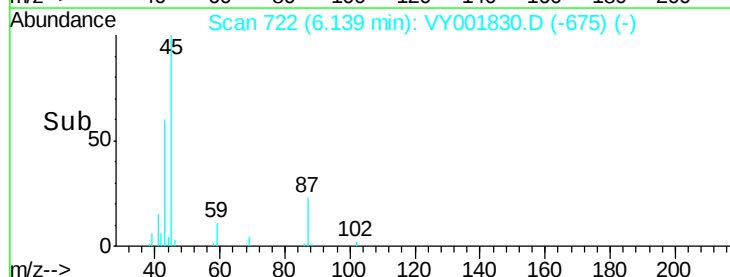
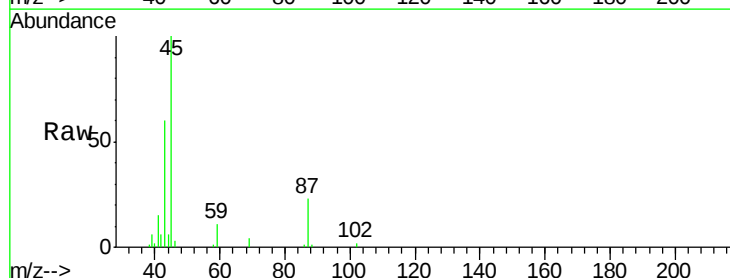
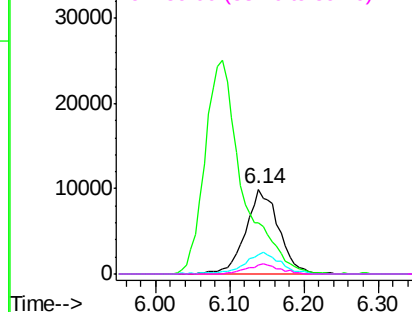
Abundance

Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 19.657 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 87341

Ion Ratio Lower Upper

43 100

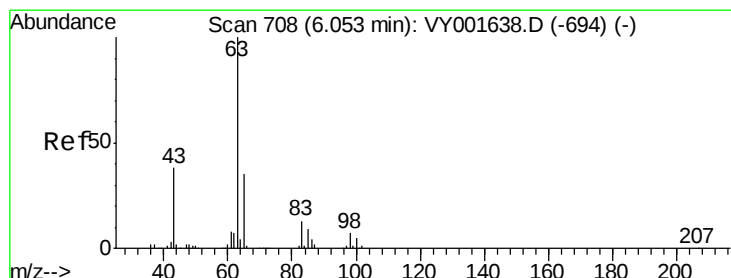
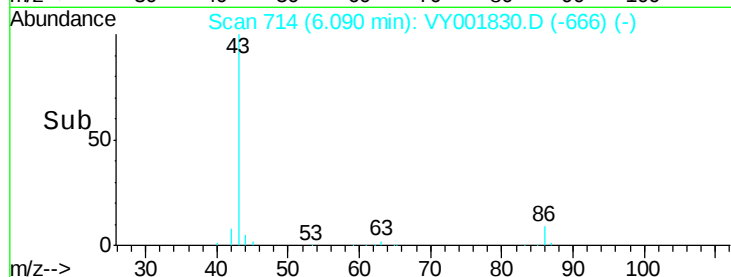
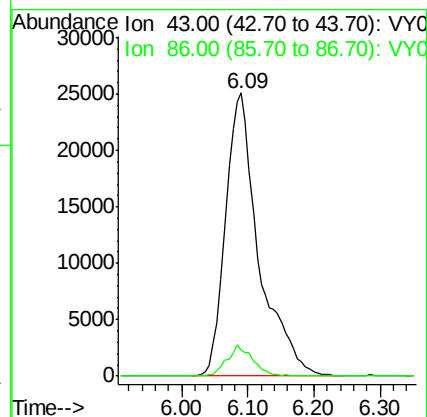
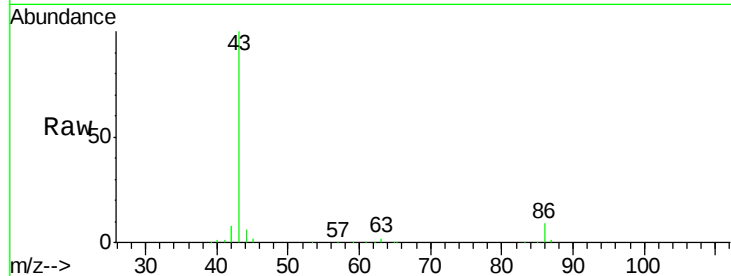
86 9.2 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 4.752 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

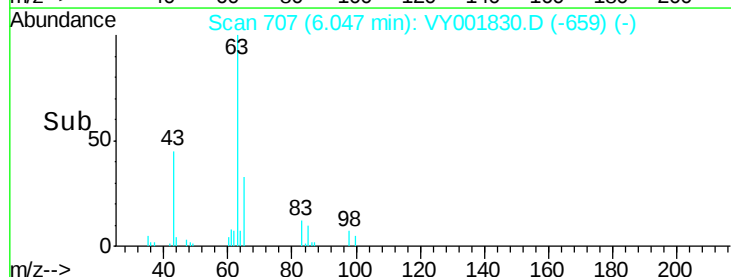
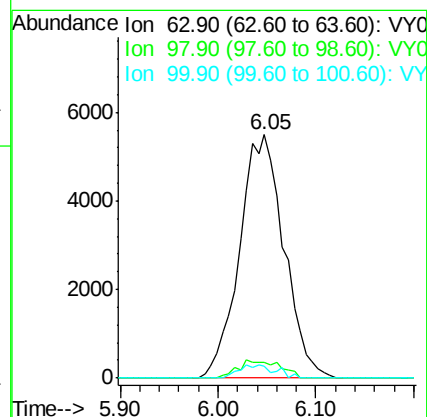
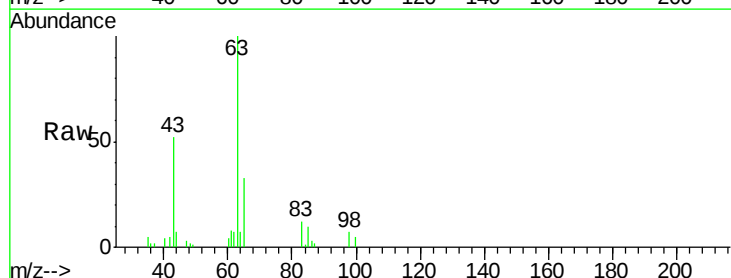
Tgt Ion: 63 Resp: 17299

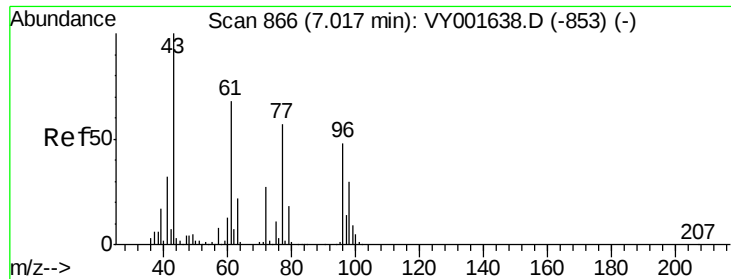
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.9 2.3 6.9





#25

2-Butanone

Concen: 22.545 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 19580

Ion Ratio Lower Upper

43 100

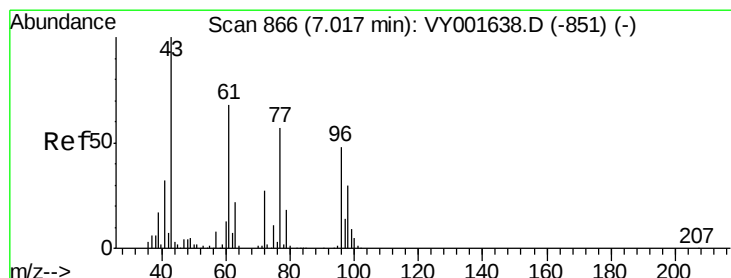
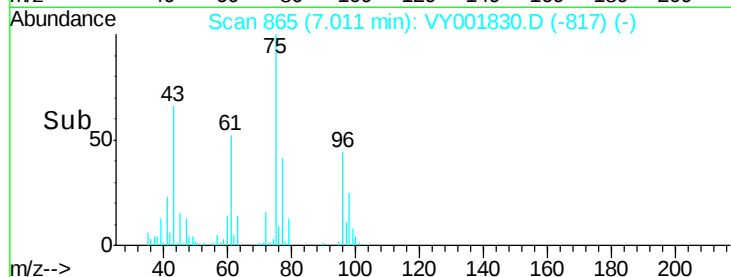
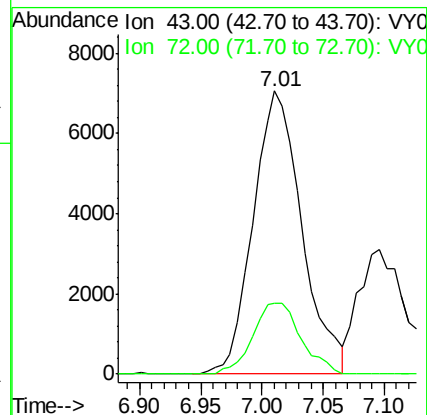
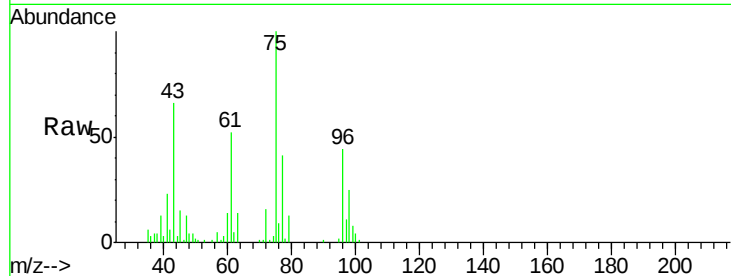
72 24.9 21.2 31.8

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#26

2,2-Dichloropropane

Concen: 4.842 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001830.D

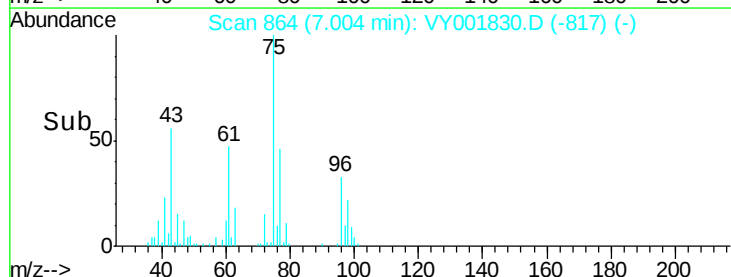
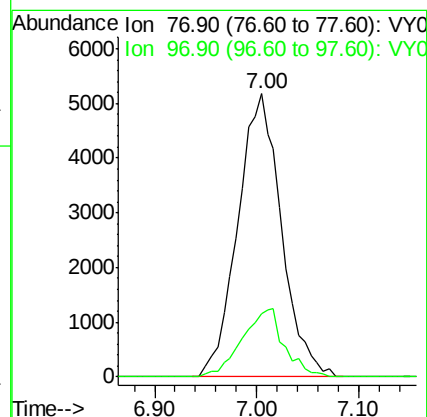
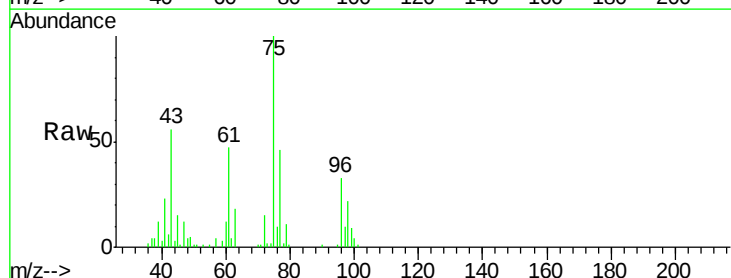
Acq: 03 Mar 2020 13:30

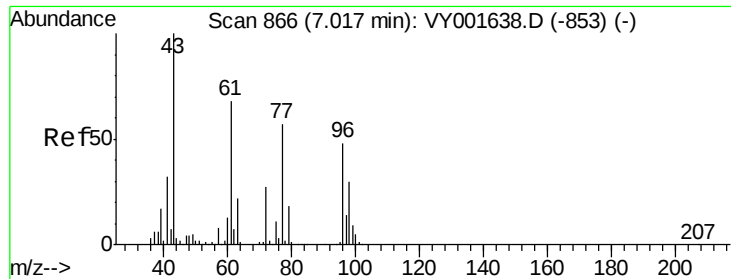
Tgt Ion: 77 Resp: 15336

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.4





#27

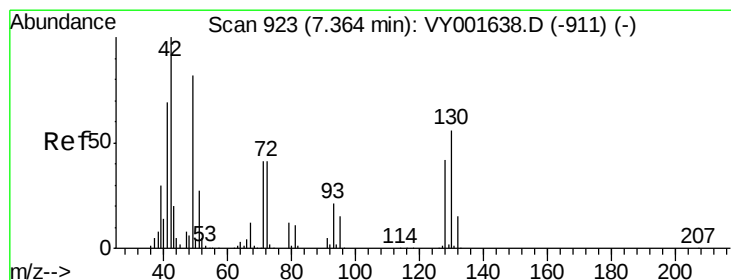
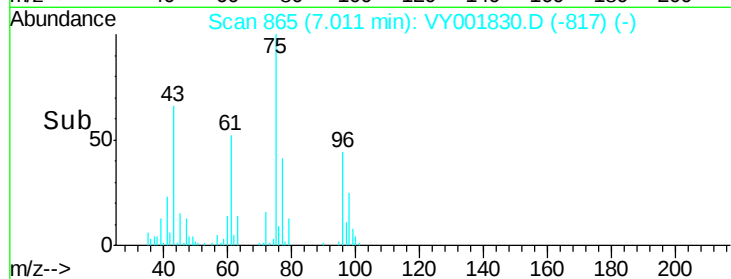
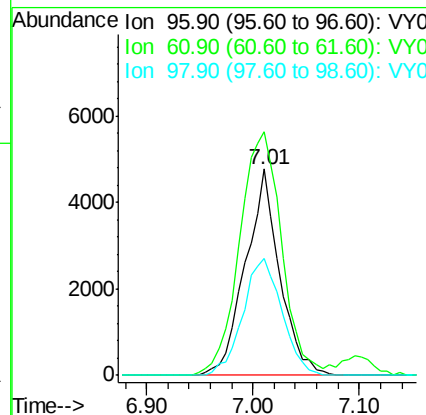
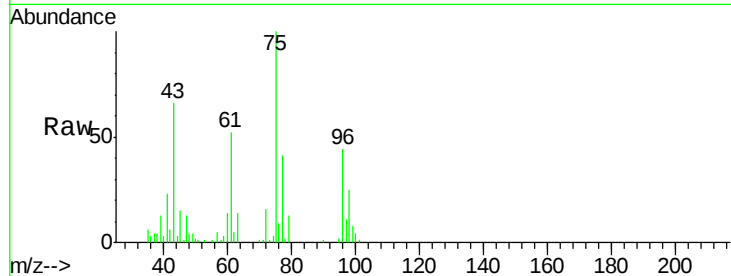
cis-1,2-Dichloroethene
Concen: 4.608 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.2	0.0	290.8	
98	64.2	0.0	128.6	

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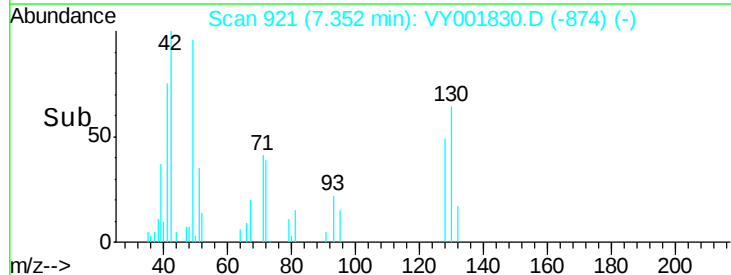
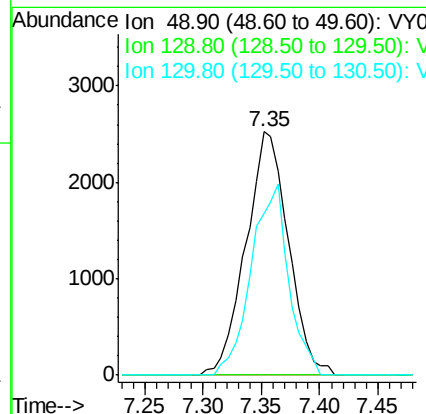
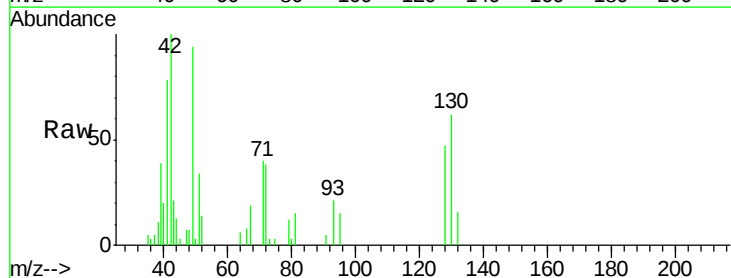
MMDadoda
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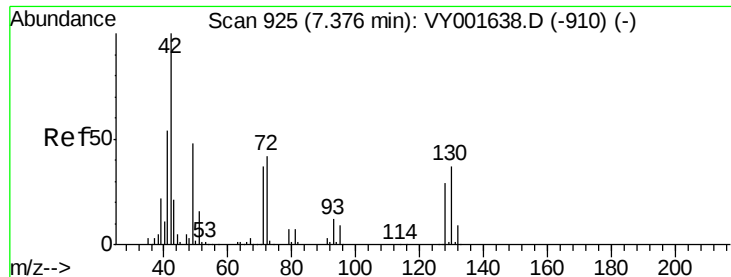


#28

Bromochloromethane
Concen: 4.231 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	3.6	
130	68.8	56.2	84.4	





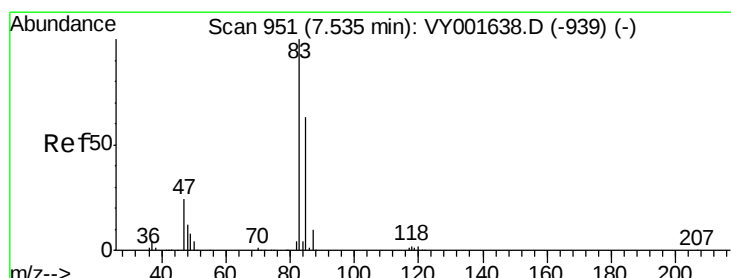
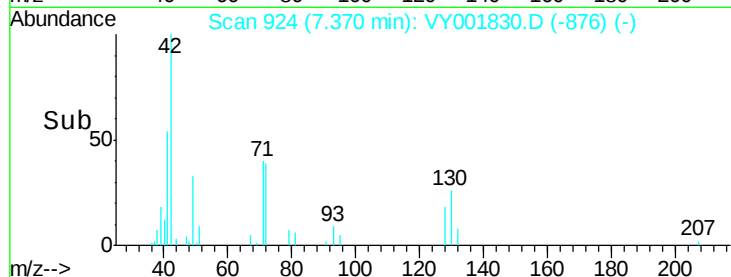
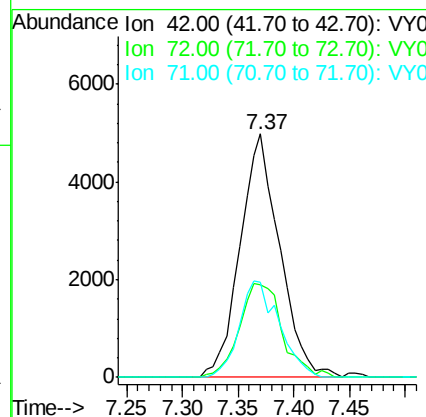
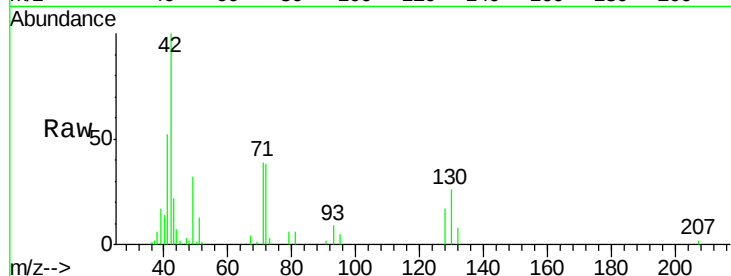
#29
Tetrahydrofuran
Concen: 23.451 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.4	51.6
71	39.7	31.8	47.8

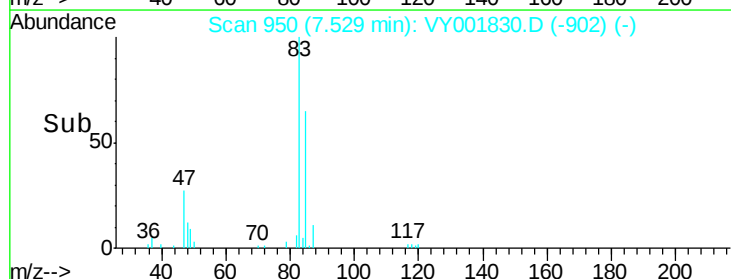
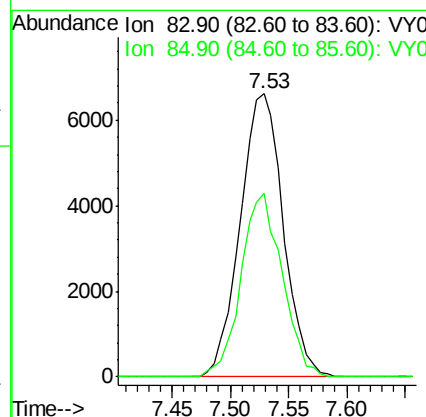
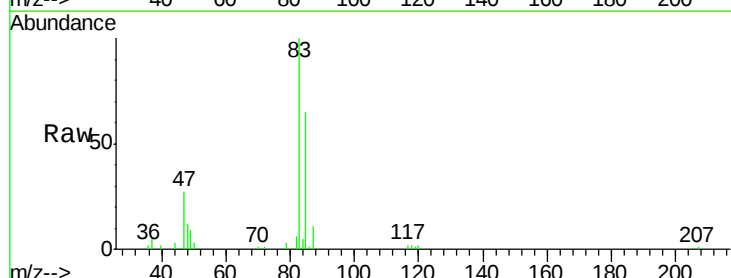
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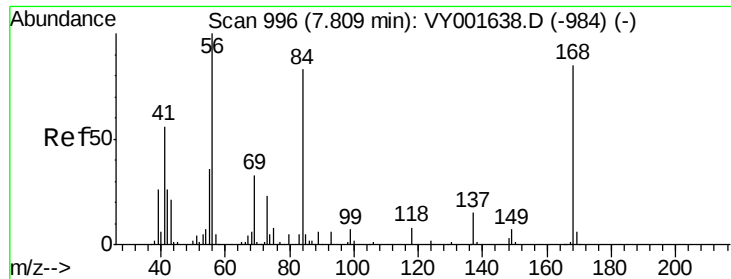
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#30
Chloroform
Concen: 4.784 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4





#31

Cyclohexane

Concen: 5.263 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 56 Resp: 20428

Ion Ratio Lower Upper

56 100

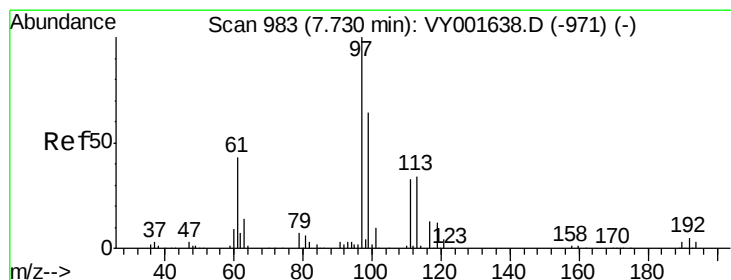
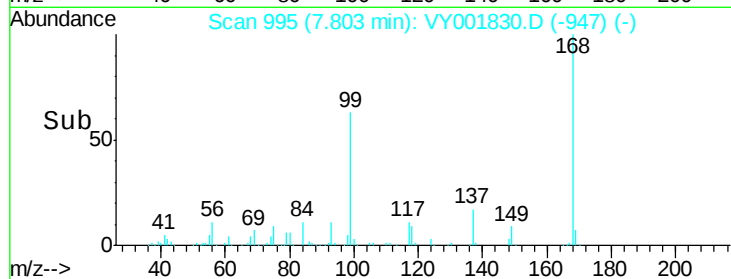
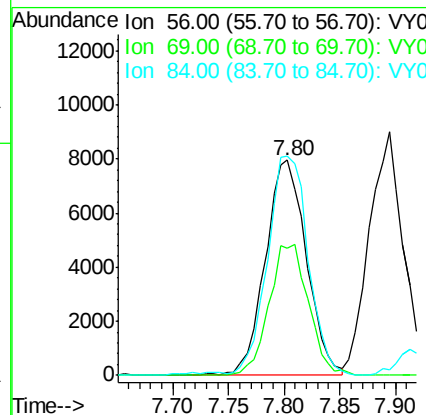
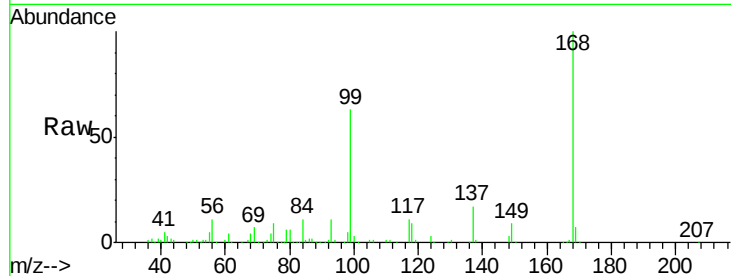
69 59.2 25.1 37.7#

84 101.0 66.9 100.3#

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#32

1,1,1-Trichloroethane

Concen: 4.488 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

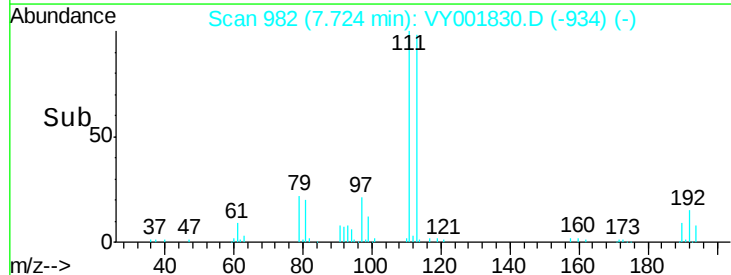
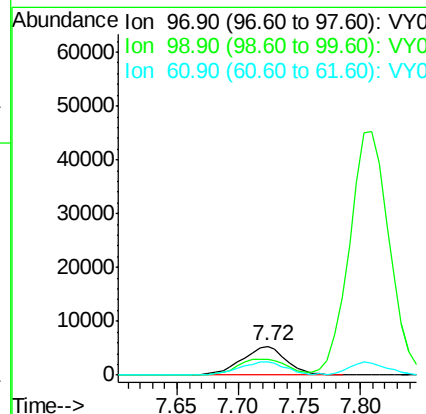
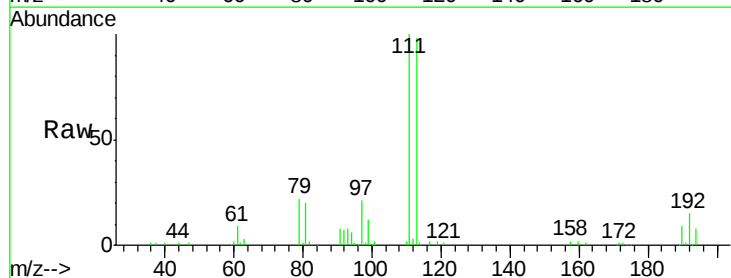
Tgt Ion: 97 Resp: 13419

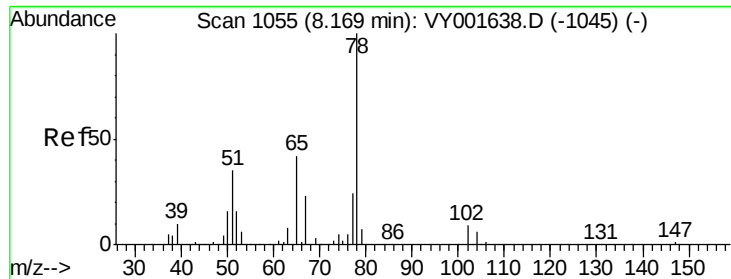
Ion Ratio Lower Upper

97 100

99 62.5 51.2 76.8

61 48.2 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 49.472 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 65 Resp: 91407

Ion Ratio Lower Upper

65 100

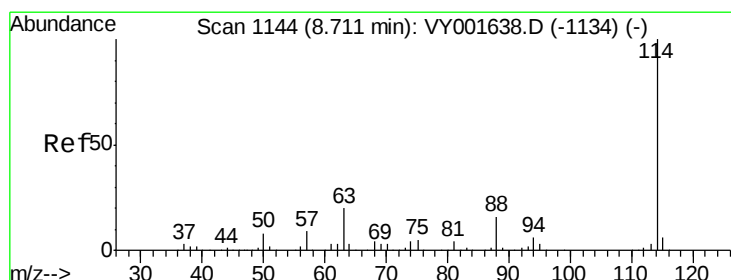
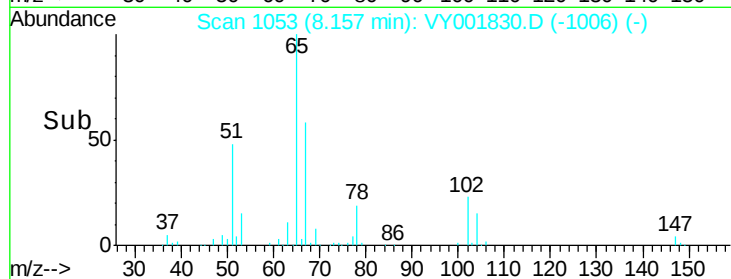
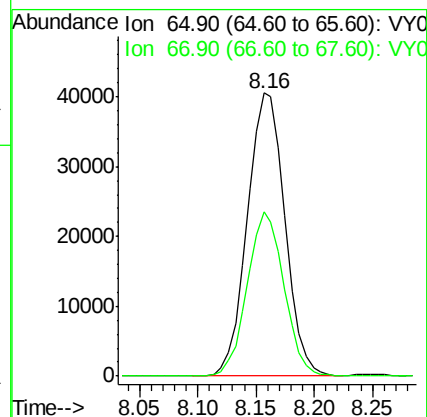
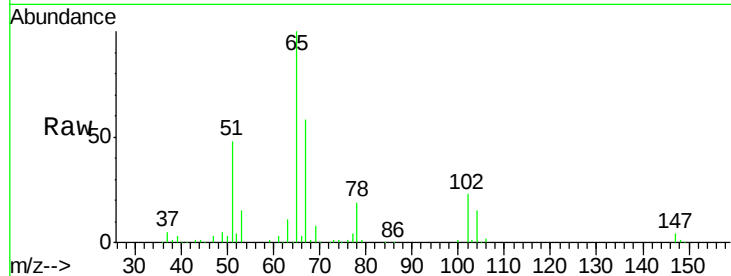
67 56.6 0.0 111.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

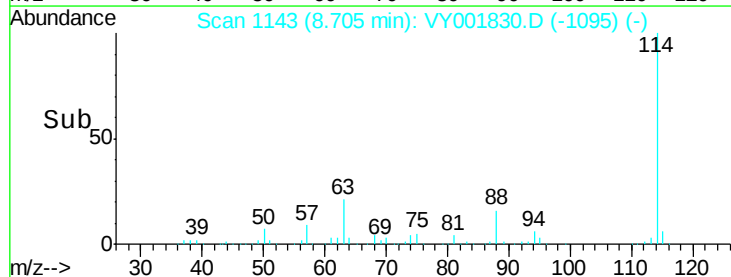
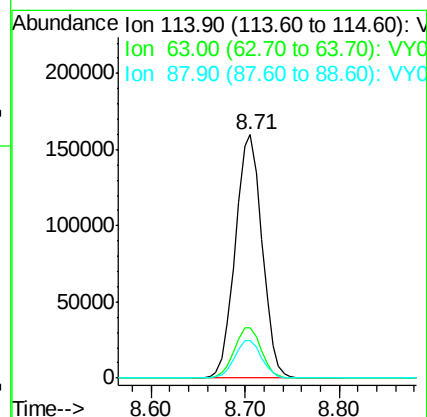
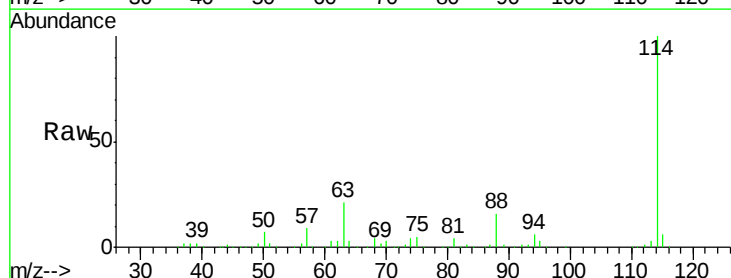
Tgt Ion: 114 Resp: 315656

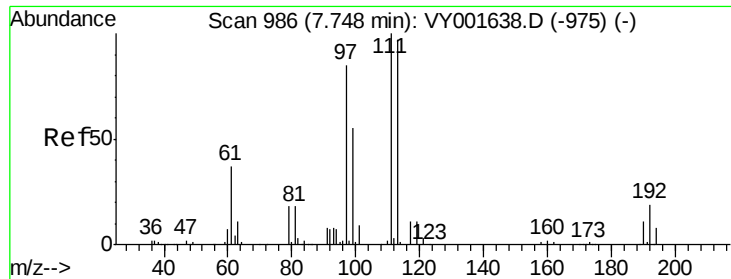
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

88 15.6 0.0 32.8





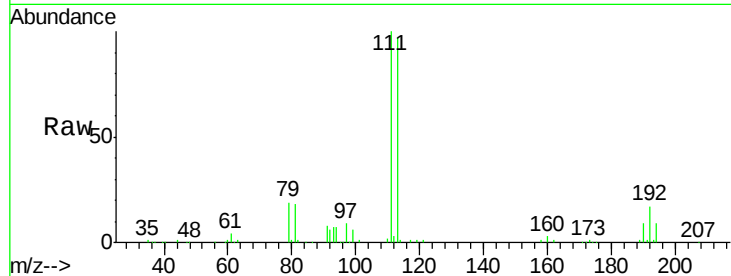
#35
Dibromofluoromethane
Concen: 46.864 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

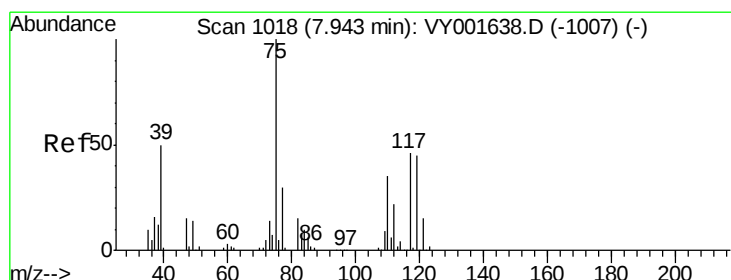
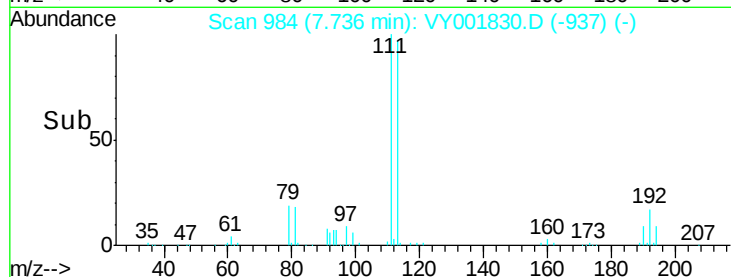
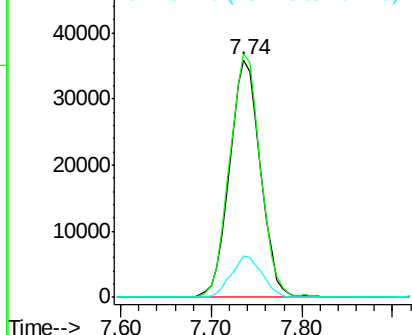
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	17.6	14.3	21.5

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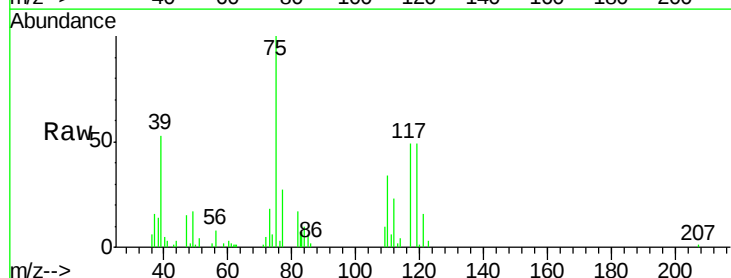


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

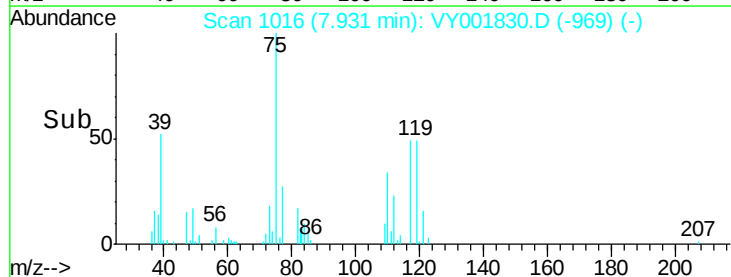
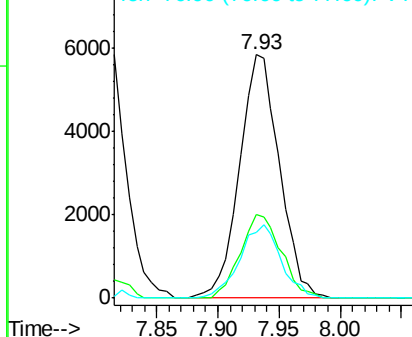


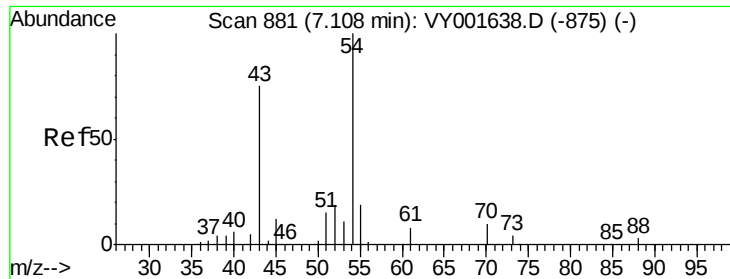
#36
1,1-Dichloropropene
Concen: 4.395 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.2	51.6
77	31.2	24.8	37.2



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0





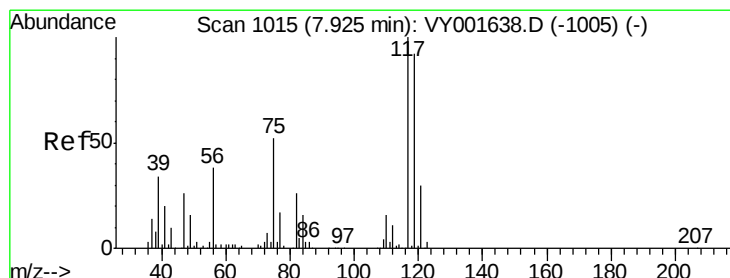
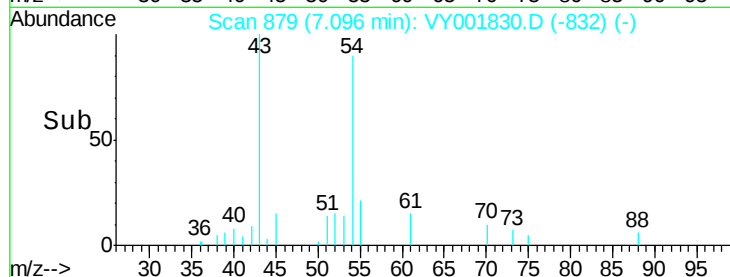
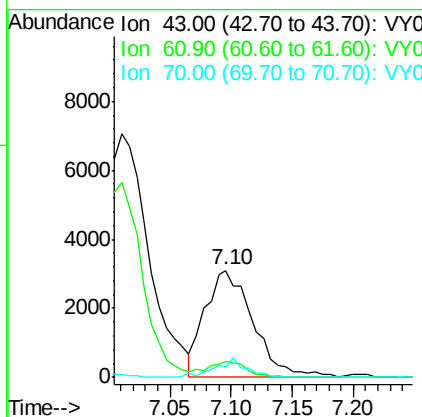
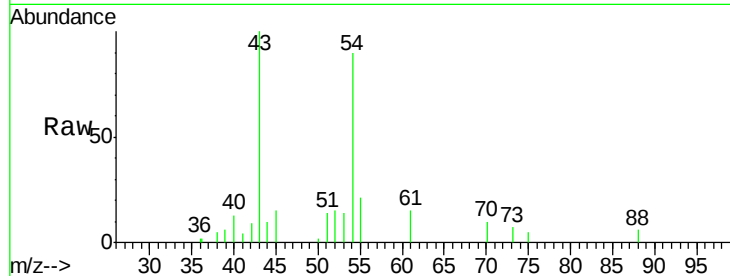
#37
Ethyl Acetate
Concen: 4.701 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	11.0	16.6
70	11.3	8.8	13.2

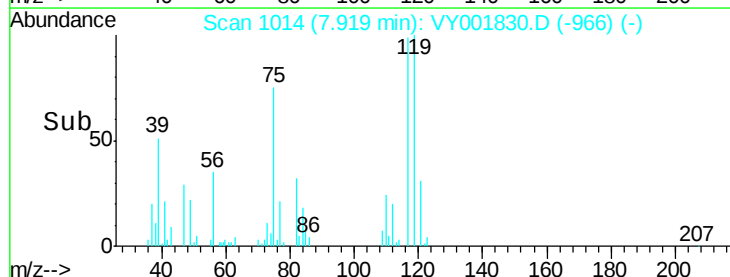
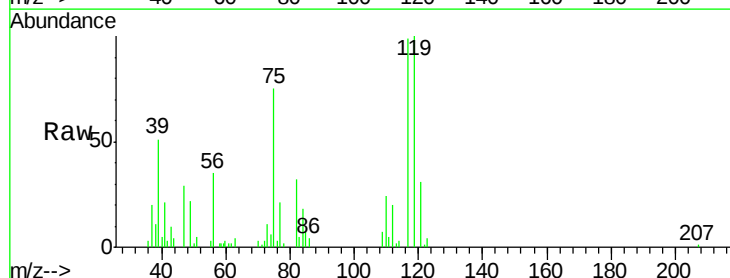
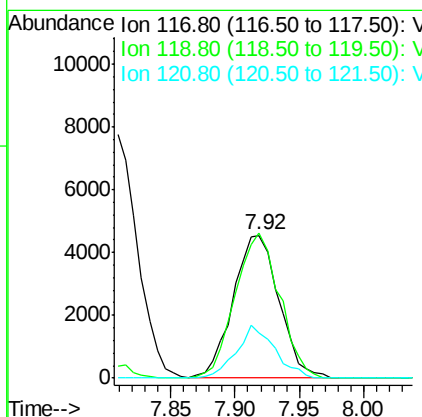
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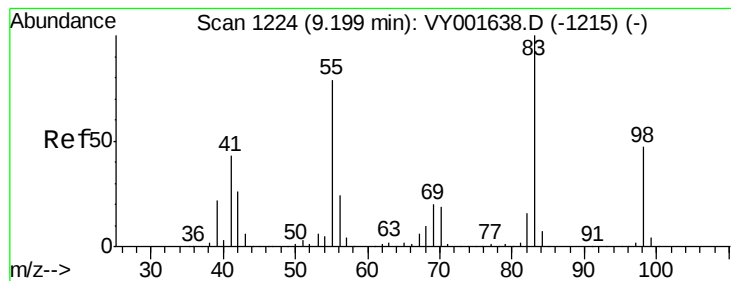
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#38
Carbon Tetrachloride
Concen: 4.248 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.1	74.8	112.2
121	31.5	23.8	35.6





#39

Methvlcvclohexane

Concen: 4.358 ug/l

RT: 9.19 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

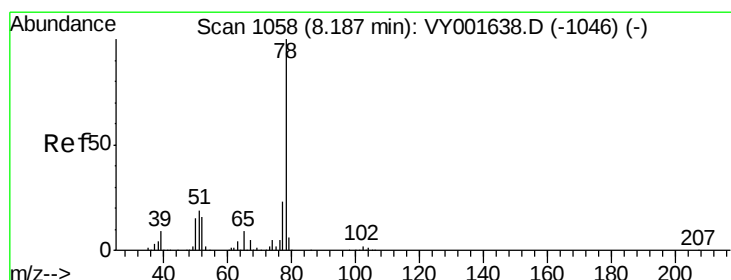
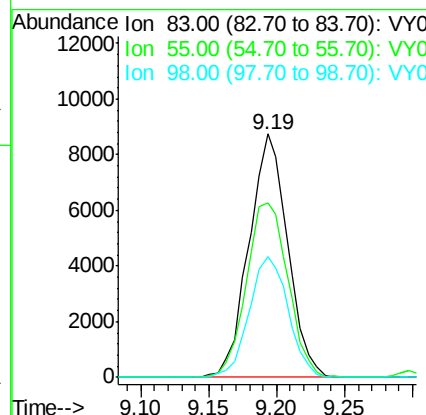
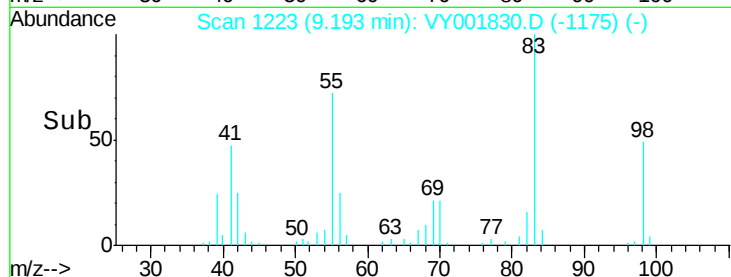
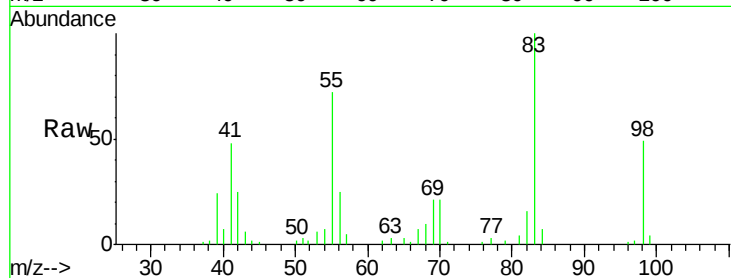
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	83	Resp:	17434
Ion	Ratio	Lower	Upper
83	100		
55	71.5	61.3	91.9
98	49.4	38.0	57.0

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#40

Benzene

Concen: 4.563 ug/l

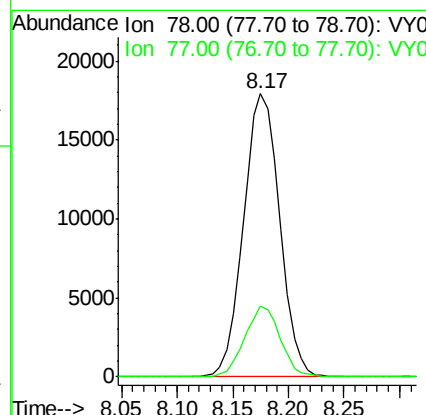
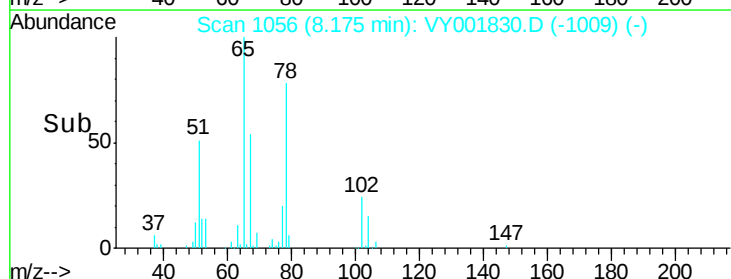
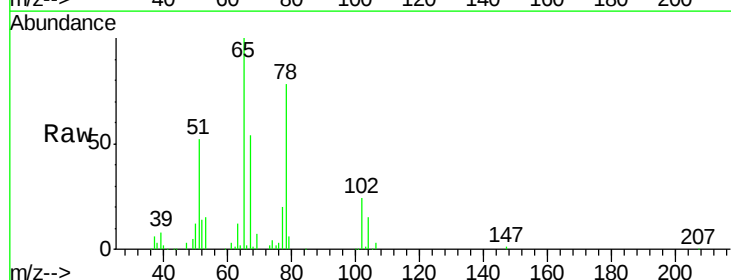
RT: 8.17 min Scan# 1056

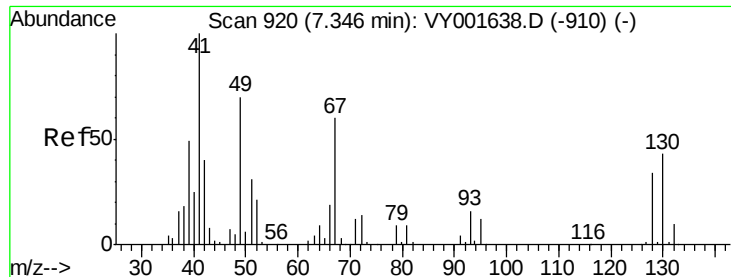
Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Tgt Ion:	78	Resp:	40464
Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.2	27.4





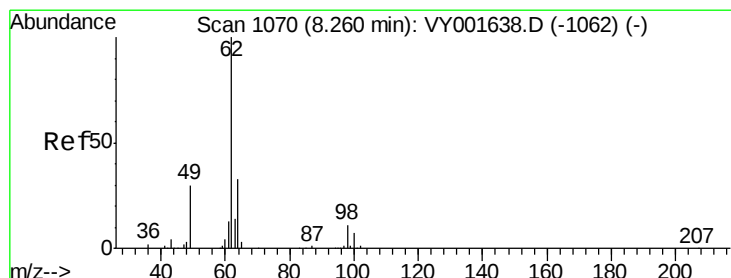
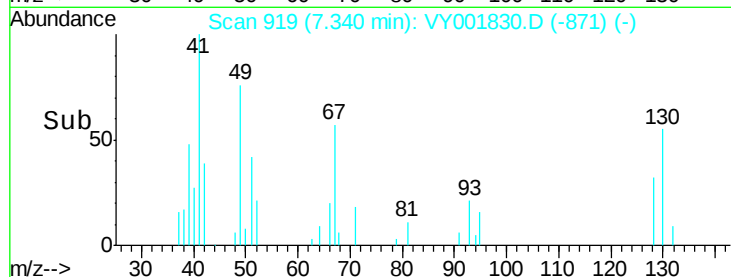
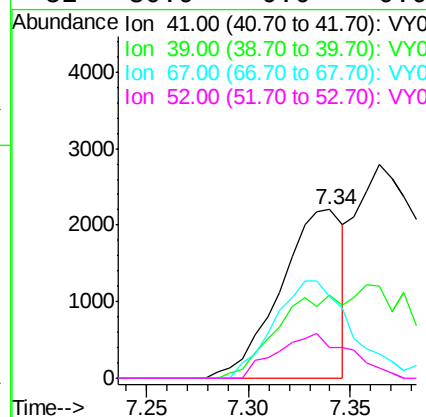
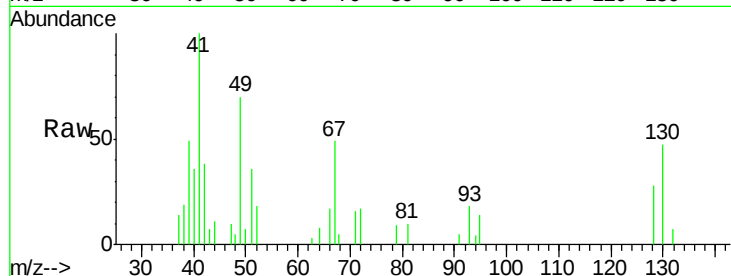
#41
Methacrylonitrile
Concen: 5.251 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	35.8	36.0	54.0#
67	72.1	0.0	0.0#
52	30.9	0.0	0.0#

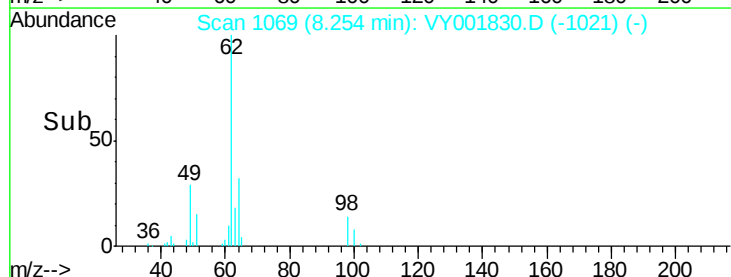
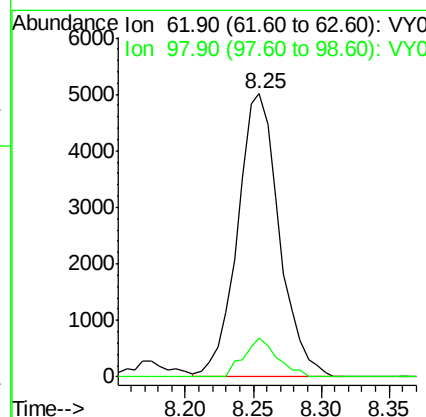
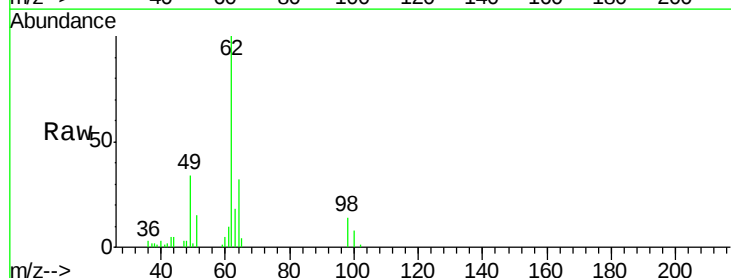
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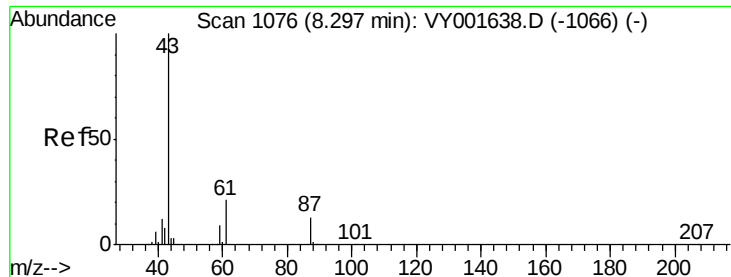
MMDadoda
3/4/2020 2:02:06 PM



#42
1,2-Dichloroethane
Concen: 4.437 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	20.8





#43

Isopropyl Acetate

Concen: 4.462 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

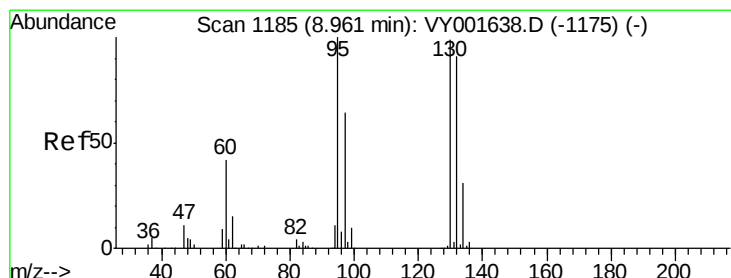
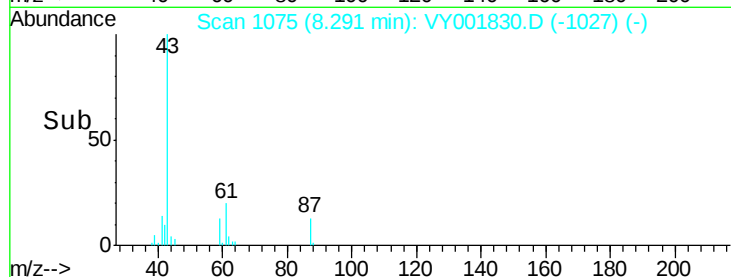
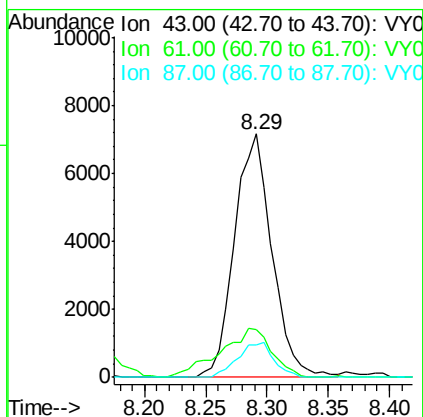
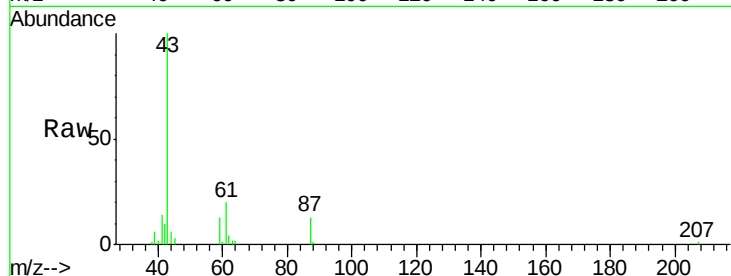
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	43	Resp:	15236
Ion	Ratio	Lower	Upper
43	100		
61	27.8	23.0	34.4
87	13.7	10.7	16.1

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#44

Trichloroethene

Concen: 4.521 ug/l

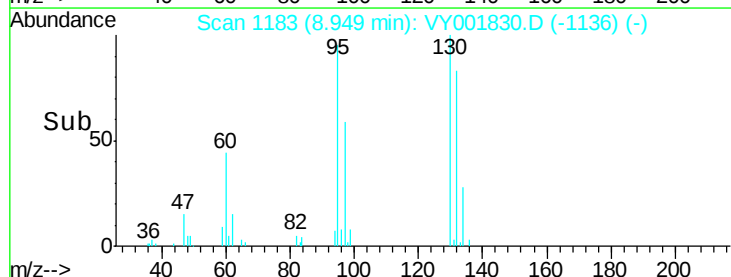
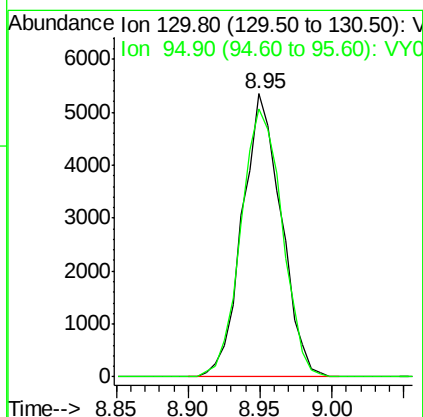
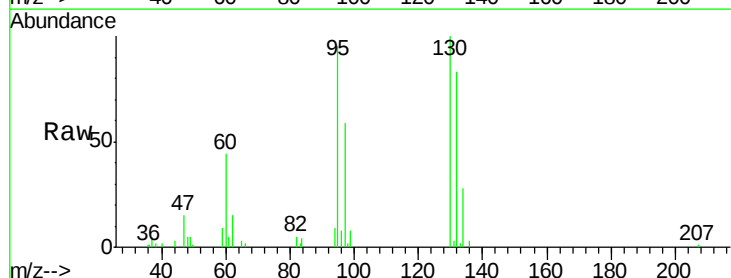
RT: 8.95 min Scan# 1183

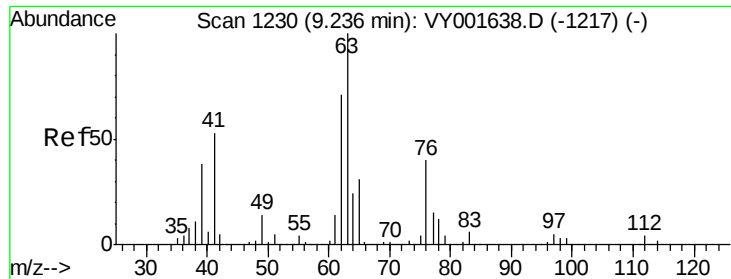
Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Tgt Ion:	130	Resp:	10009
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	200.6





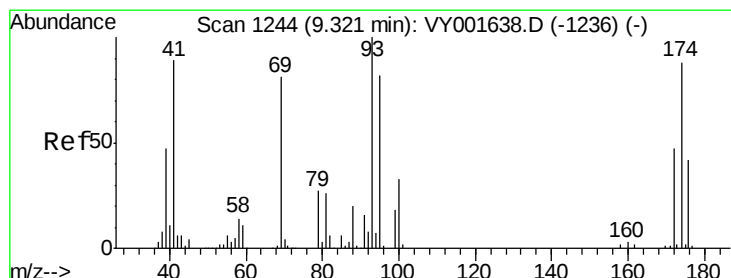
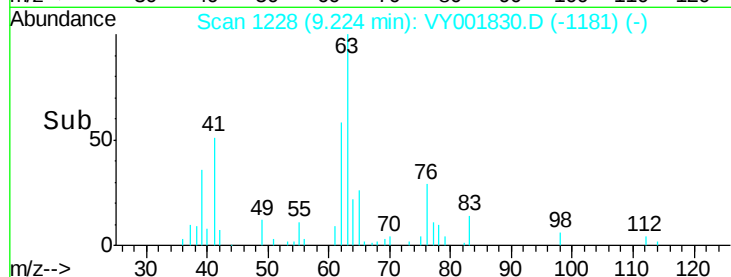
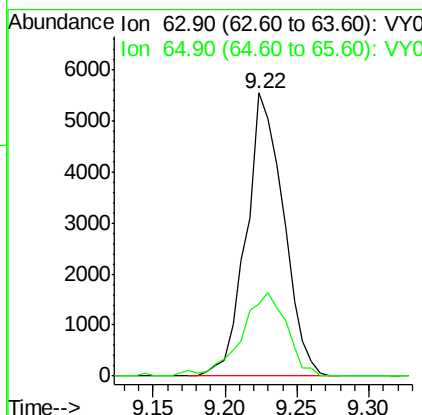
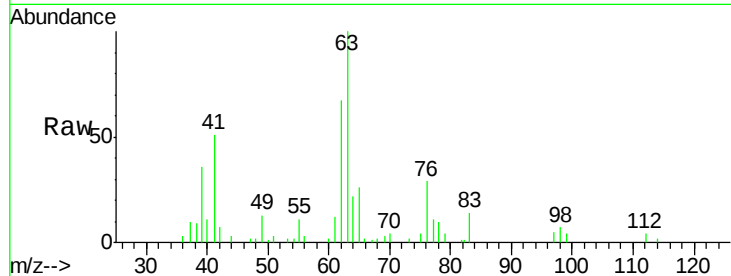
#45
 1,2-Dichloropropane
 Concen: 4.468 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

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

Tot Ion: 63 Resp: 9922
 Ion Ratio Lower Upper
 63 100
 65 25.7 24.6 37.0

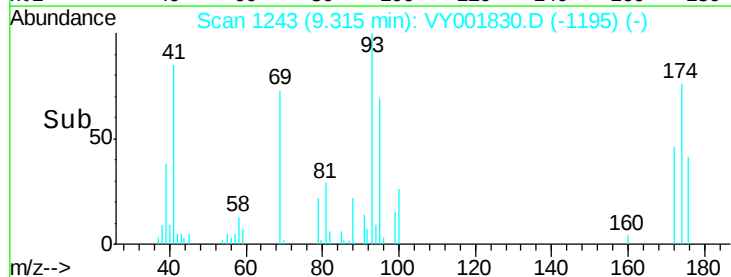
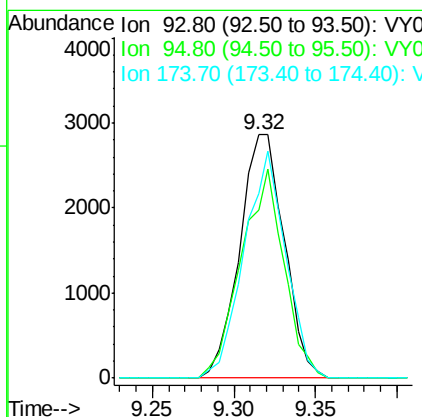
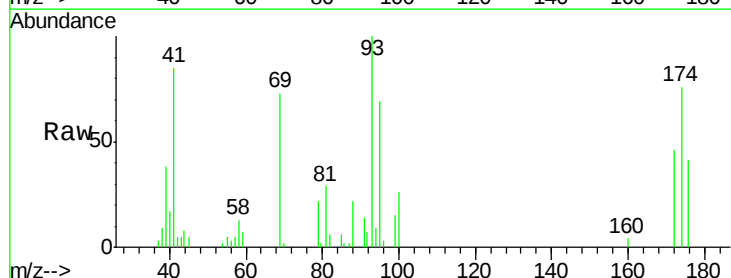
Manual Integrations
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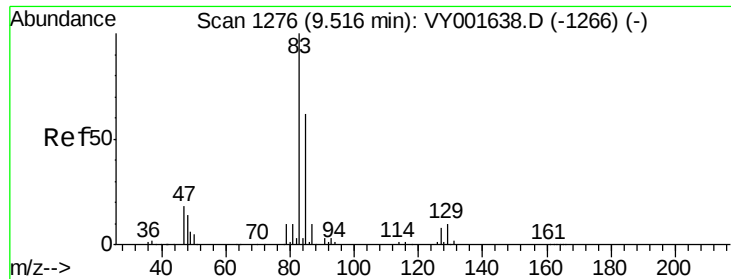
MMDadoda
 3/4/2020 2:02:06 PM



#46
 Dibromomethane
 Concen: 4.687 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion: 93 Resp: 5444
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.1 99.1
 174 87.2 72.5 108.7





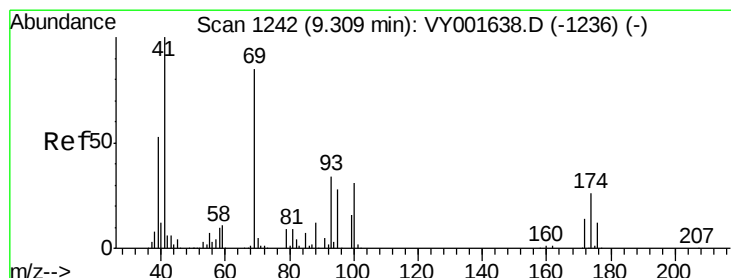
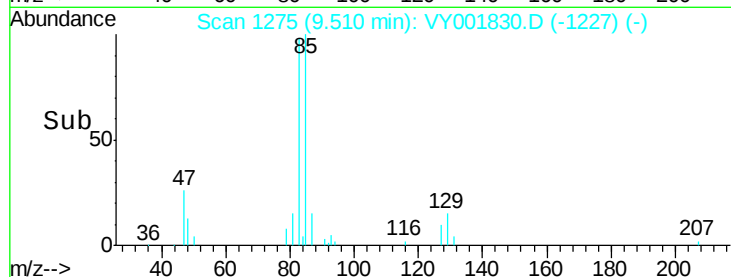
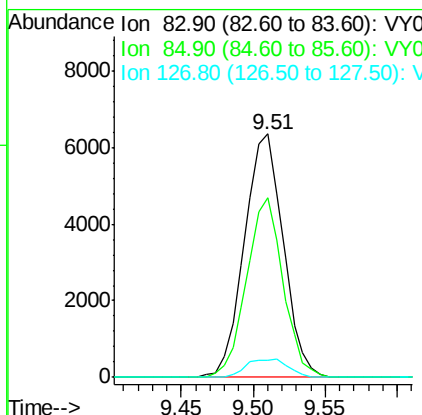
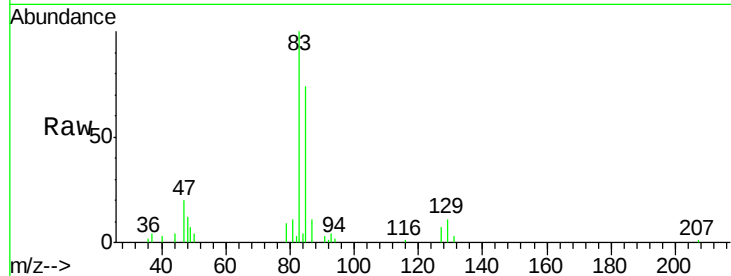
#47
Bromodichloromethane
Concen: 4.233 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Lower	Upper
83	100		
85	73.5	51.4	77.0
127	7.2	6.4	9.6

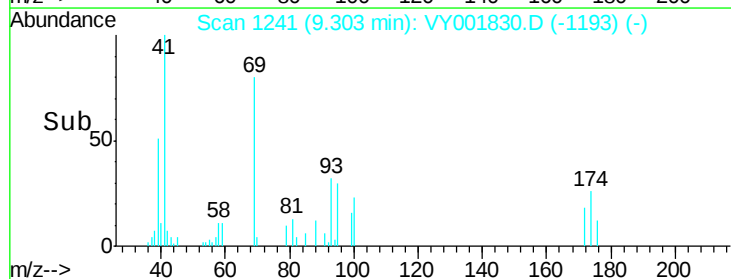
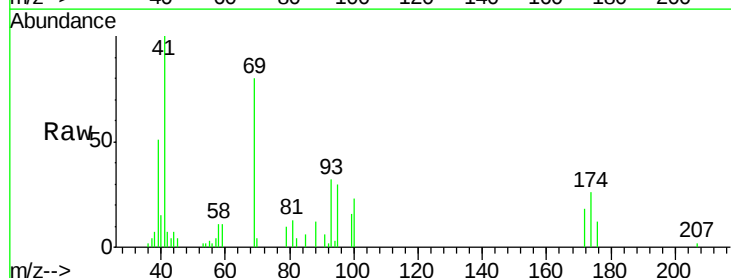
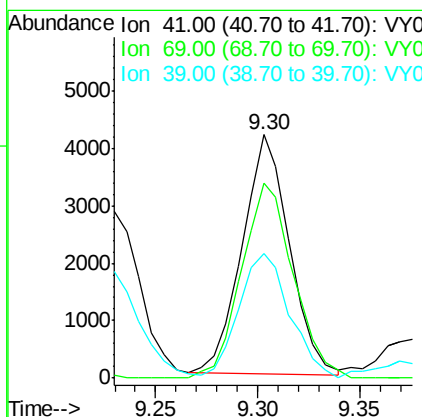
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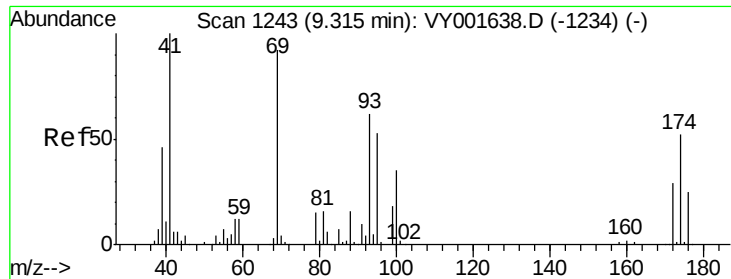
MMDadoda
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#48
Methyl methacrylate
Concen: 4.360 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.9	70.7	106.1
39	55.7	42.2	63.2





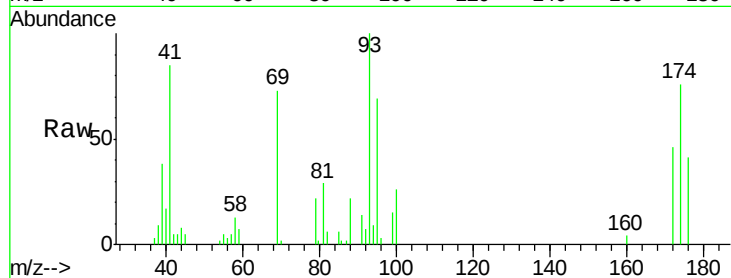
#49
1,4-Dioxane
Concen: 86.066 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

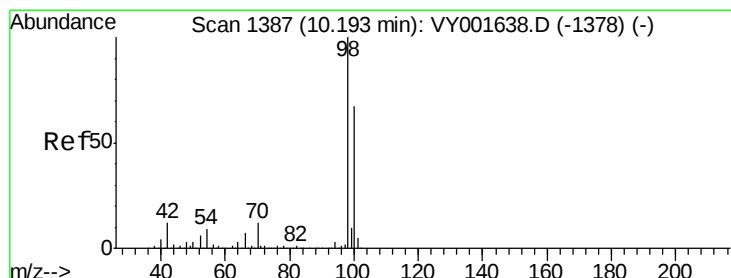
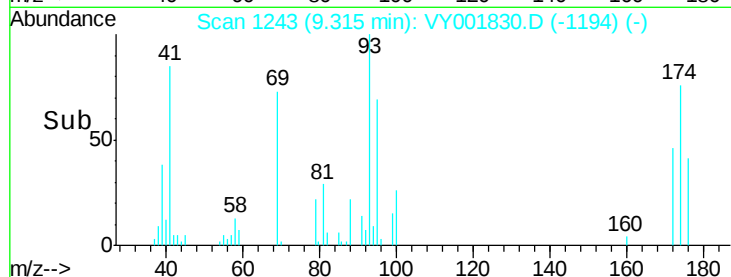
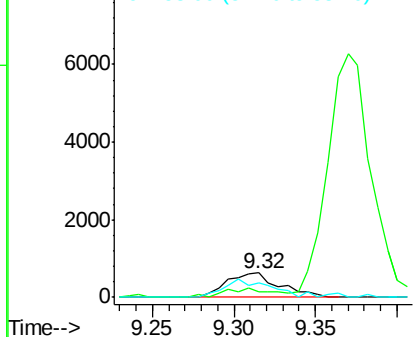
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	23.1	34.7
58	66.4	58.1	87.1

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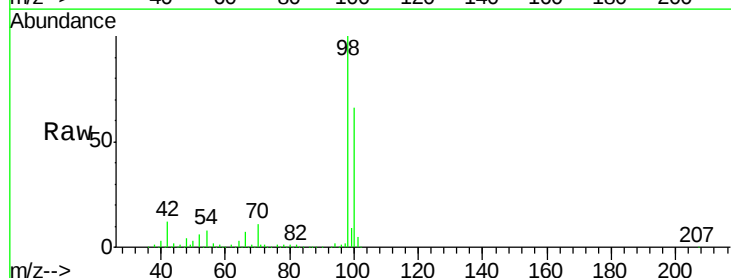


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

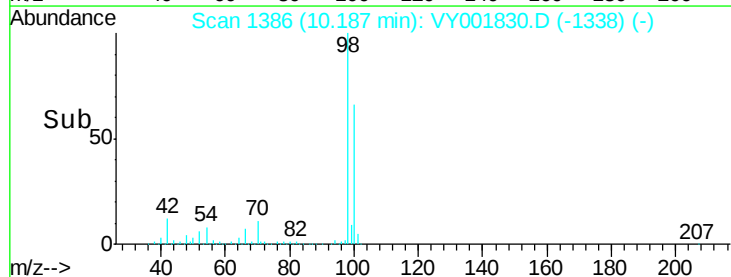
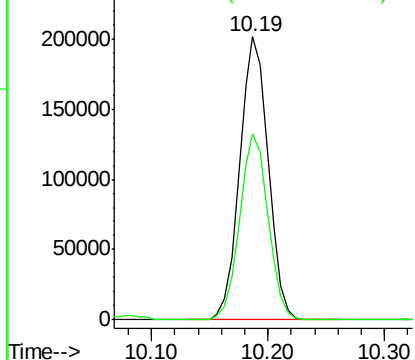


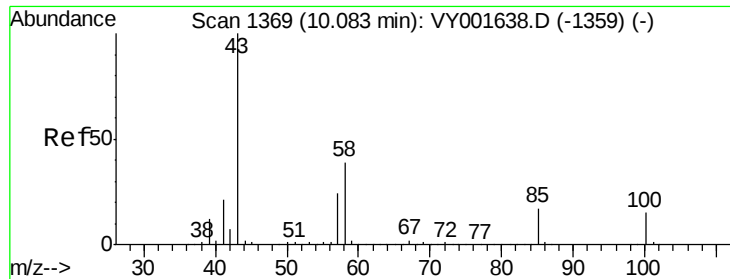
#50
Toluene-d8
Concen: 48.491 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





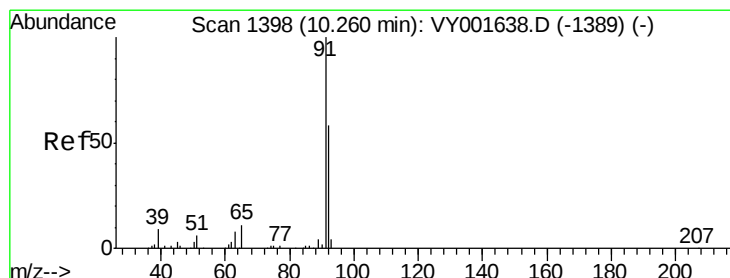
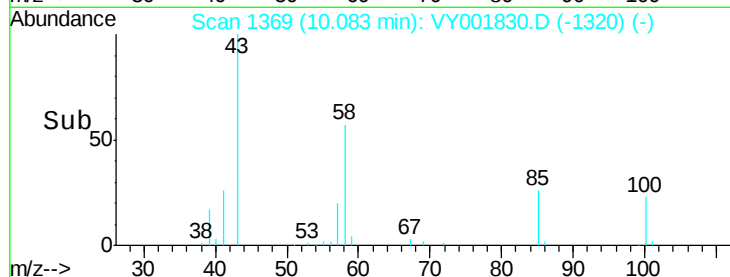
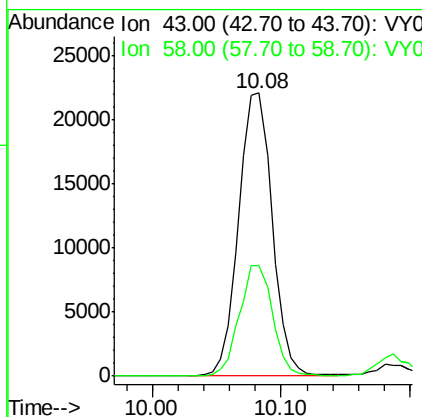
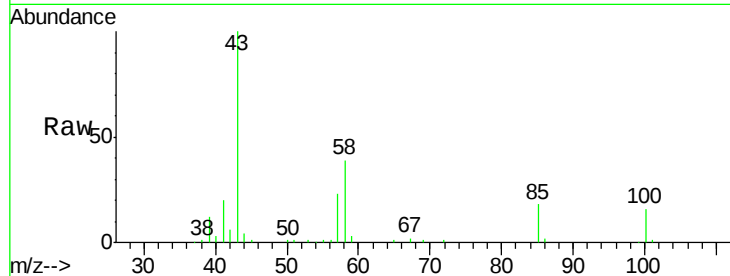
#51
4-Methyl-2-Pentanone
Concen: 22.783 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	32.2	48.4

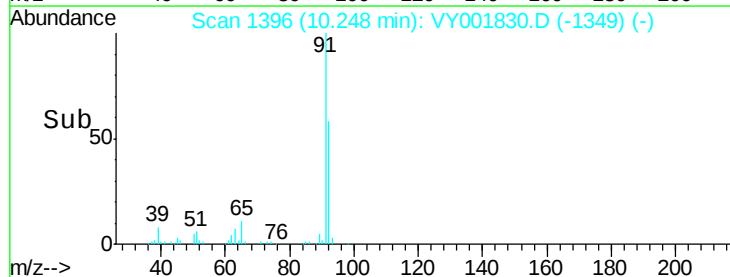
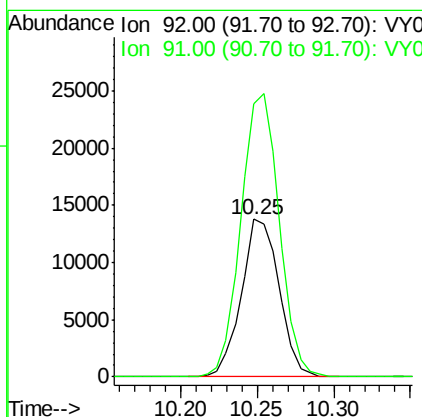
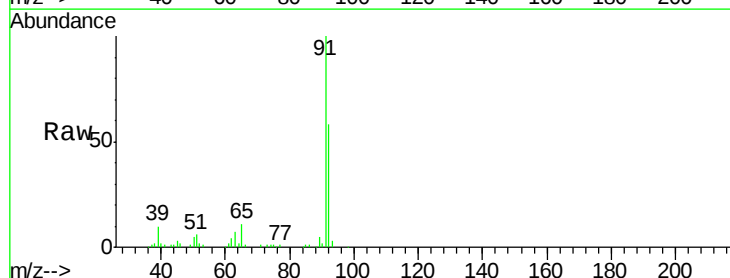
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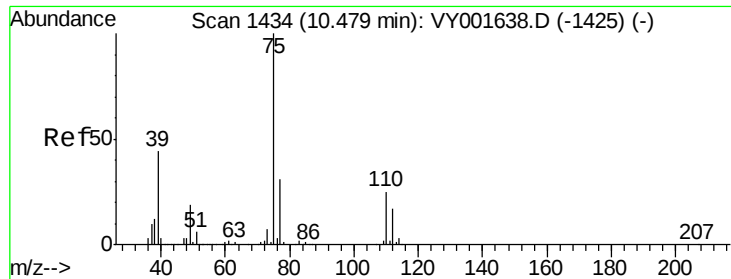
MMDadoda
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#52
Toluene
Concen: 4.287 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
92	100		
91	181.2	137.0	205.6





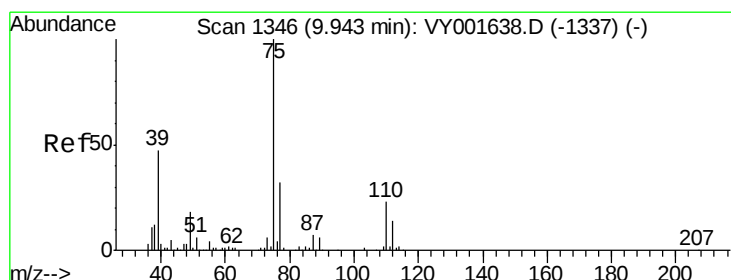
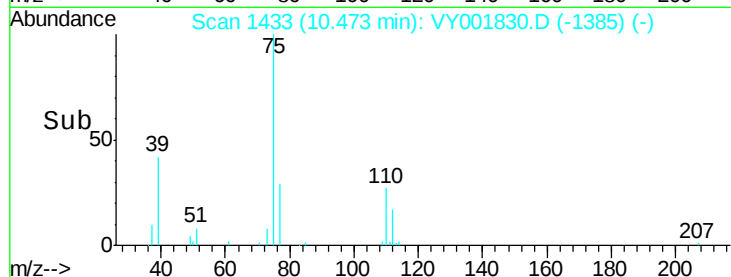
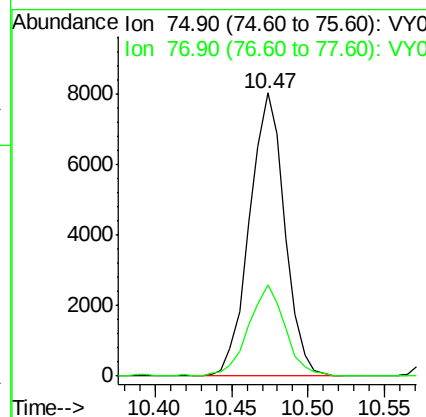
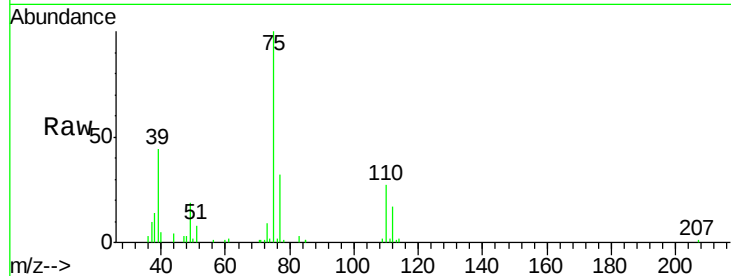
#53
t-1,3-Dichloropropene
Concen: 4.144 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion: 75 Resp: 12844
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8

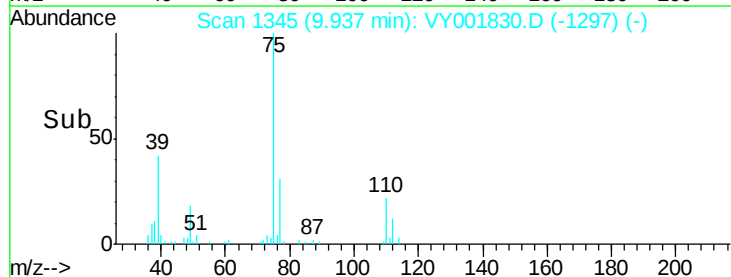
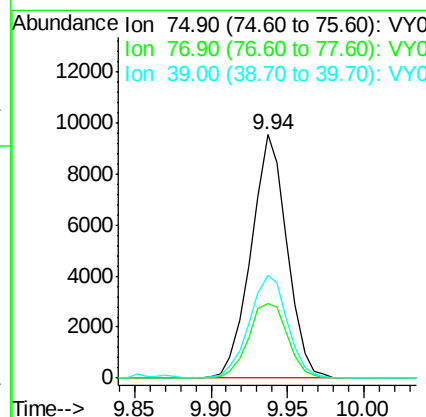
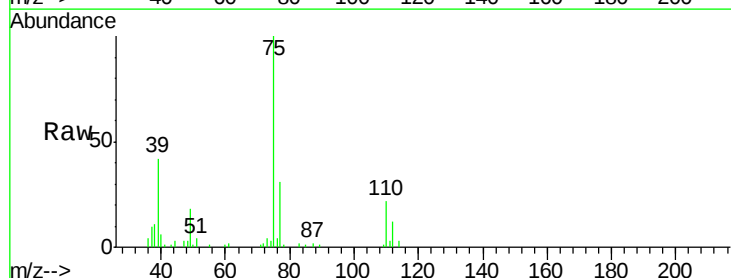
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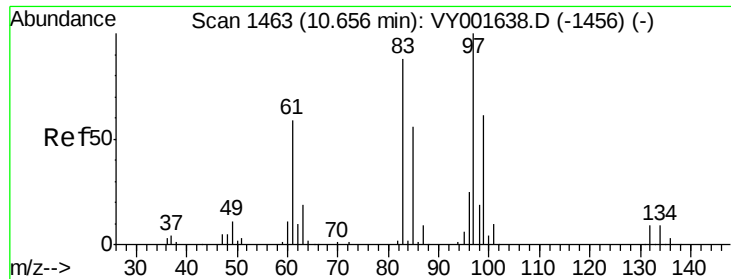
MMDadoda
3/4/2020 2:02:06 PM



#54
cis-1,3-Dichloropropene
Concen: 4.372 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 75 Resp: 15595
Ion Ratio Lower Upper
75 100
77 30.7 25.7 38.5
39 42.3 35.7 53.5





#55

1,1,2-Trichloroethane

Concen: 4.612 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

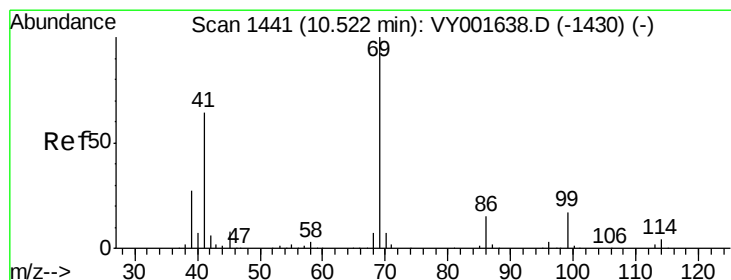
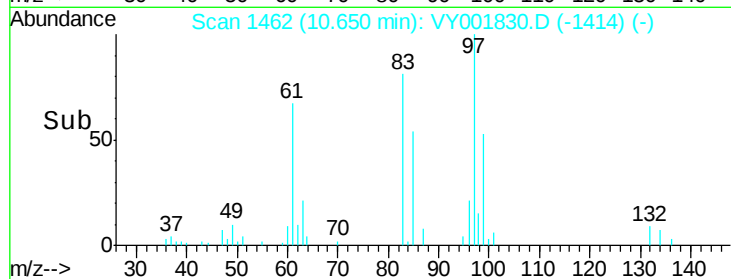
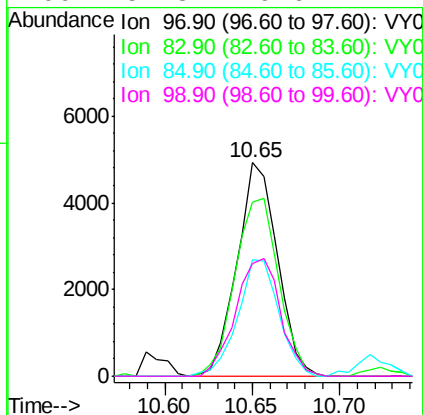
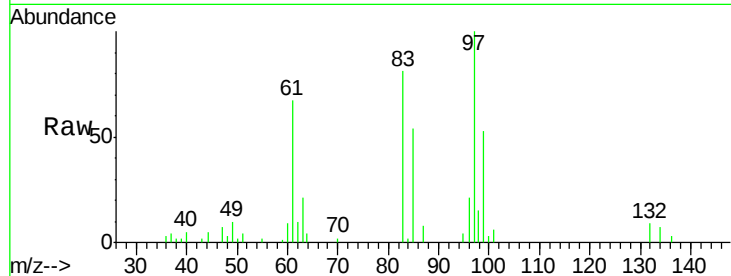
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	97	Resp:	7900
Ion	Ratio	Lower	Upper
97	100		
83	81.3	69.7	104.5
85	54.3	44.5	66.7
99	52.8	49.6	74.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 4.186 ug/l

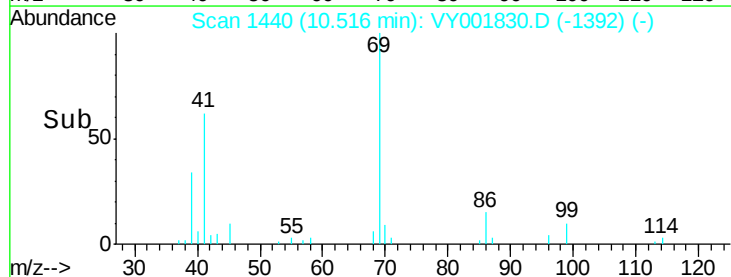
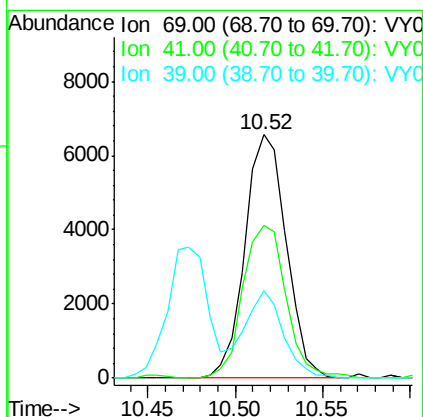
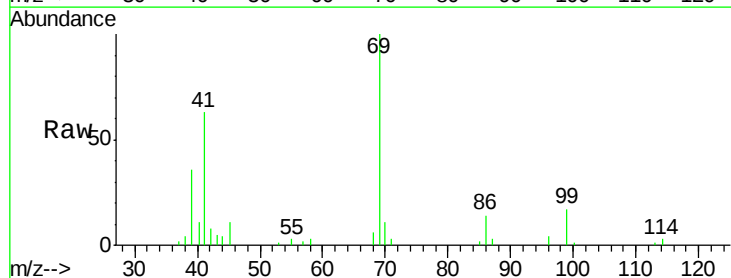
RT: 10.52 min Scan# 1440

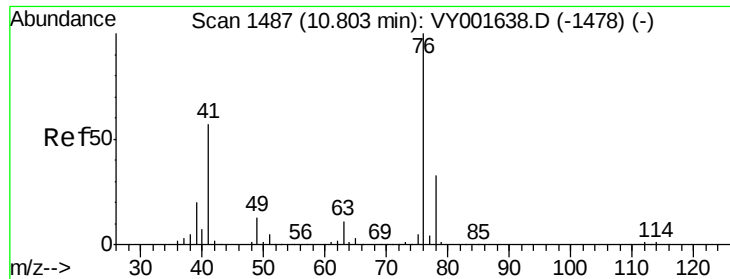
Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Tgt Ion:	69	Resp:	10757
Ion	Ratio	Lower	Upper
69	100		
41	66.2	51.0	76.4
39	32.0	24.7	37.1





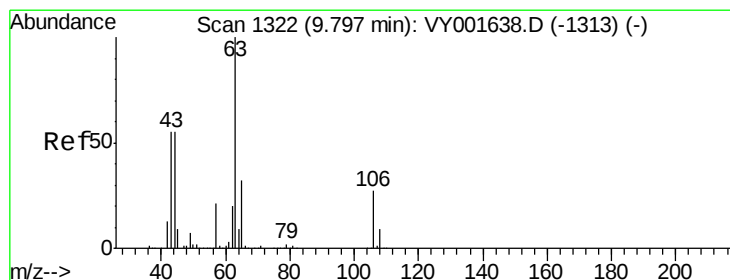
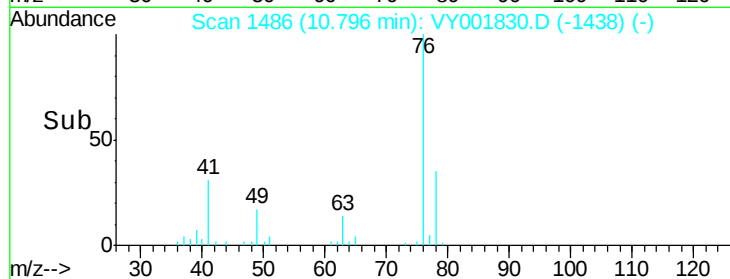
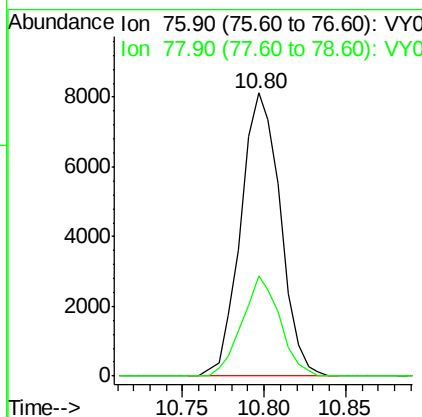
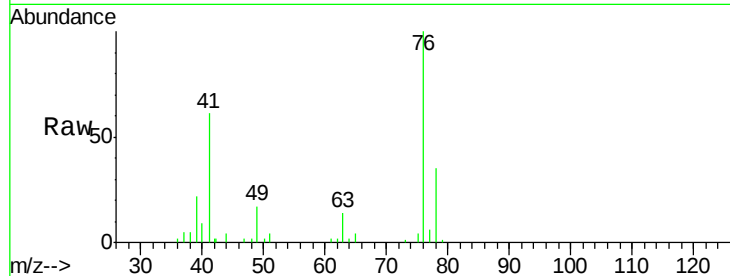
#57
 1,3-Dichloropropane
 Concen: 4.498 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

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

Tot Ion: 76 Resp: 13688
 Ion Ratio Lower Upper
 76 100
 78 33.8 25.7 38.5

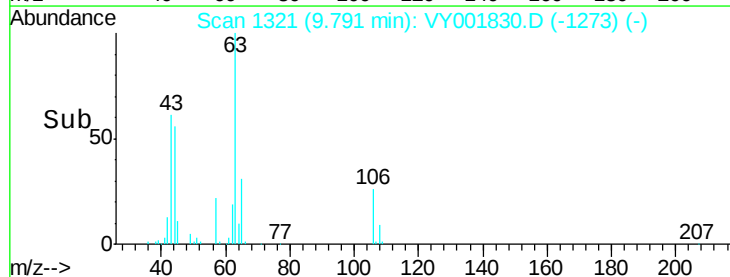
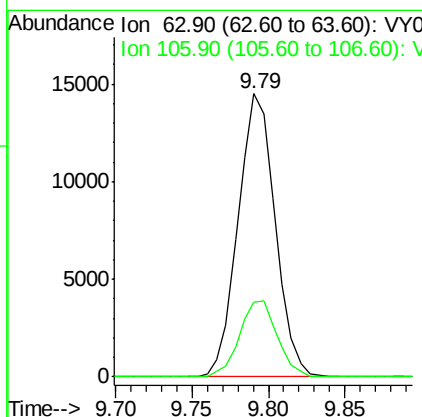
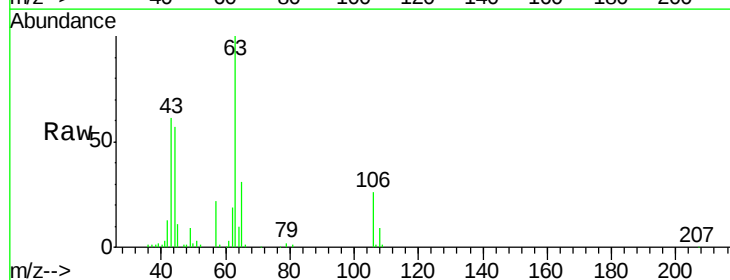
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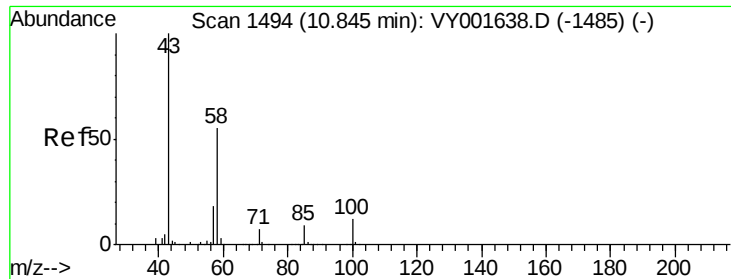
MMDadoda
 3/4/2020 2:02:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.747 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion: 63 Resp: 24408
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.6 32.4





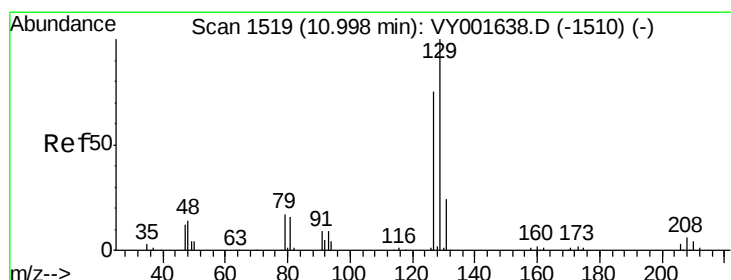
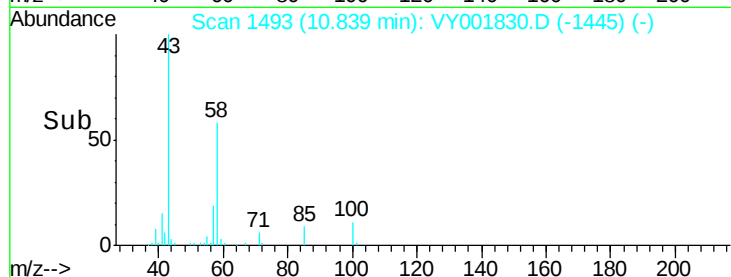
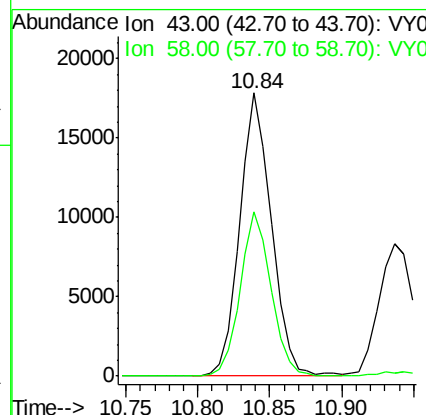
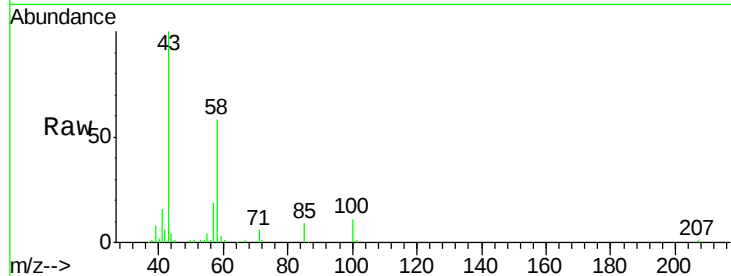
#59
2-Hexanone
Concen: 20.713 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion: 43 Resp: 27264
Ion Ratio Lower Upper
43 100
58 56.7 28.4 85.2

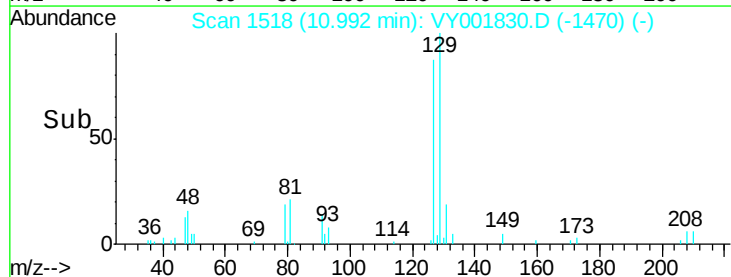
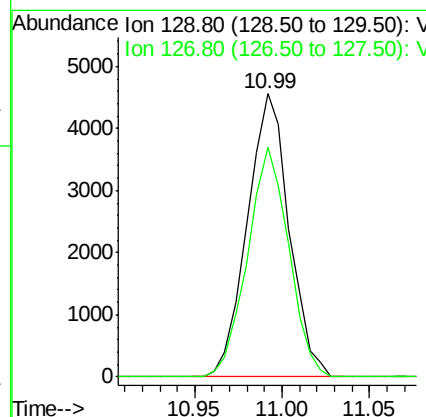
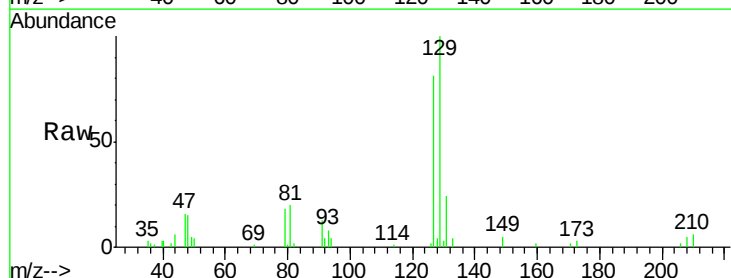
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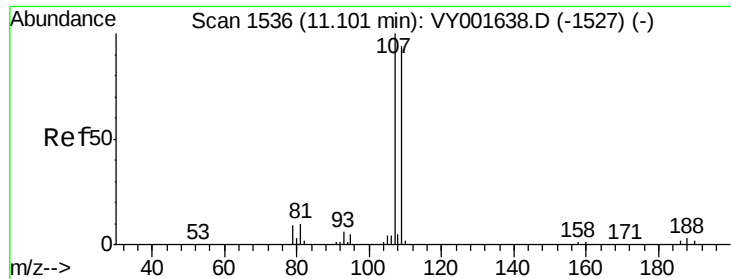
MMDadoda
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#60
Dibromochloromethane
Concen: 4.006 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 129 Resp: 7564
Ion Ratio Lower Upper
129 100
127 79.9 38.9 116.6





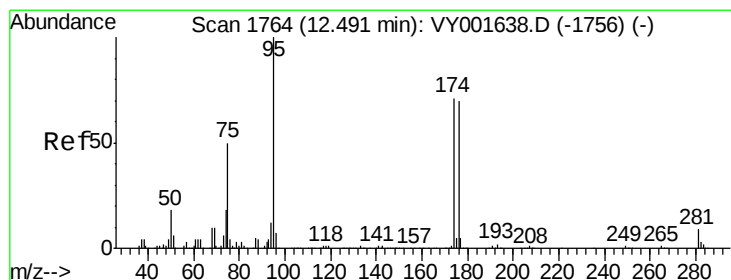
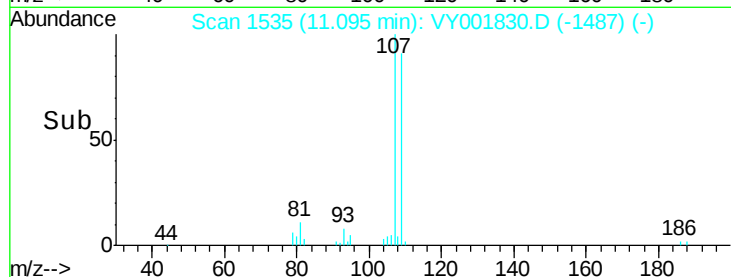
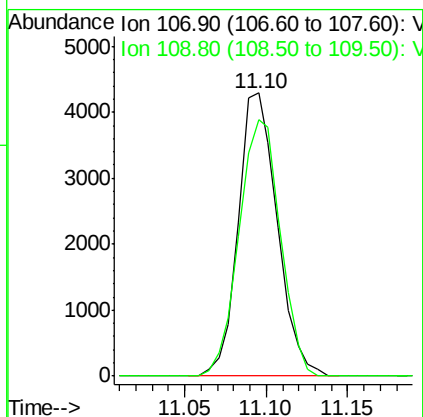
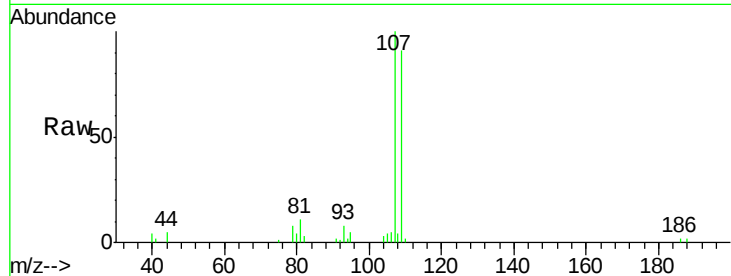
#61
1,2-Dibromoethane
Concen: 4.415 ug/l
RT: 11.10 min Scan# 1535
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	74.2	111.4

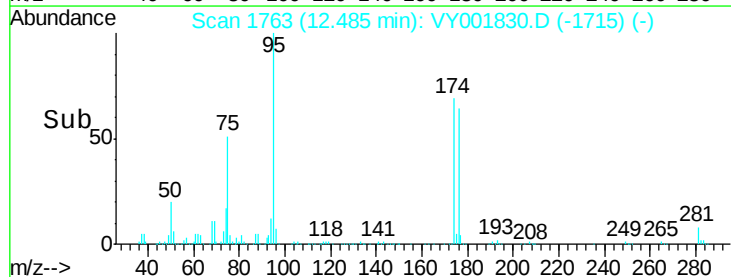
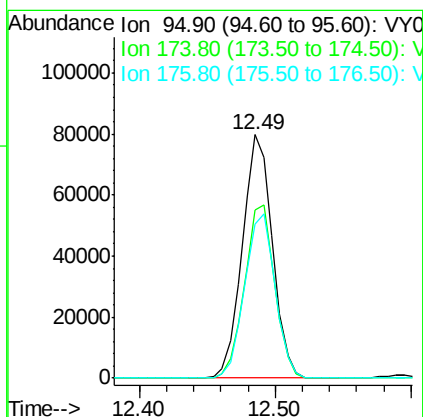
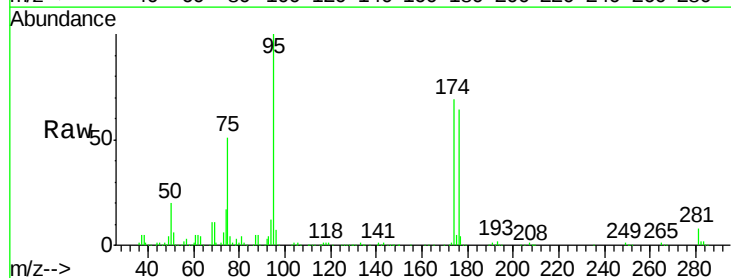
Manual Integrations
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#62
4-Bromofluorobenzene
Concen: 44.565 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	138.4
176	68.9	0.0	131.8





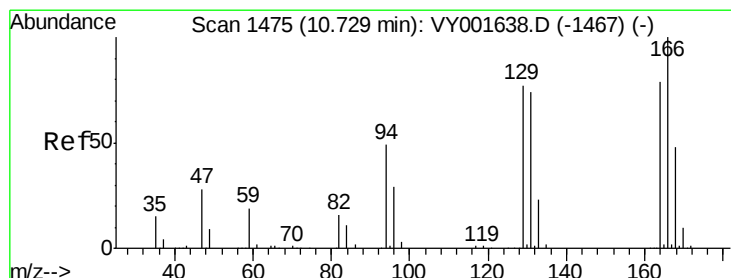
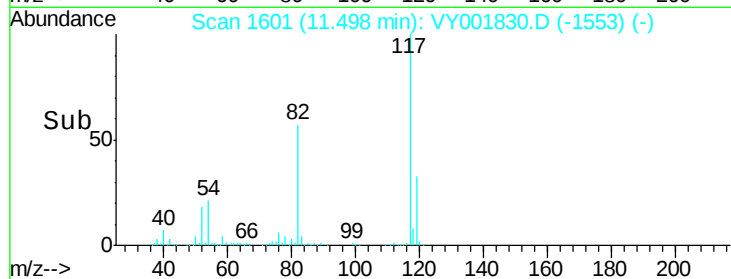
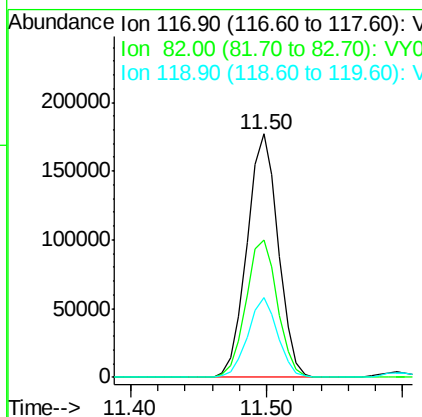
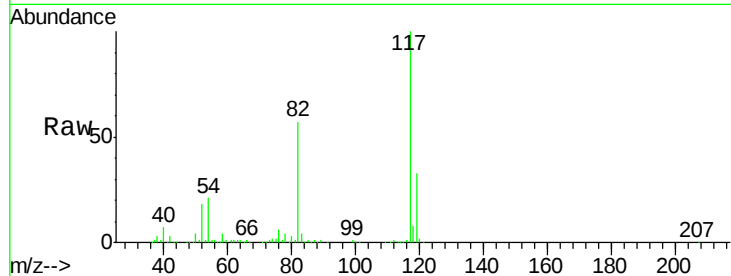
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	284695		
82	56.6		45.5	68.3
119	32.6		25.8	38.6

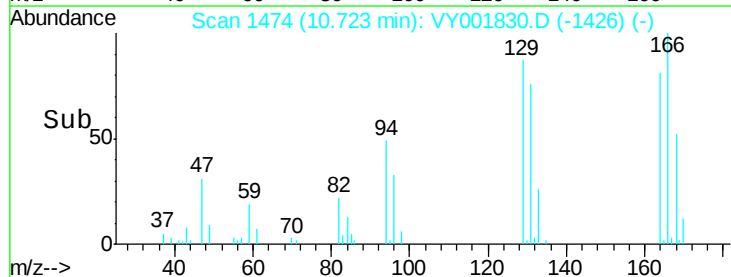
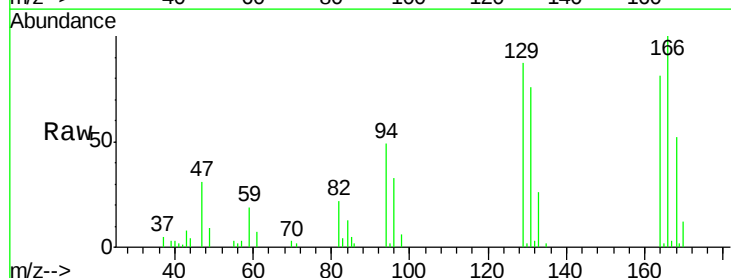
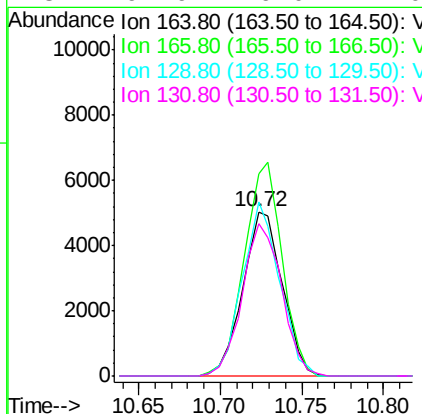
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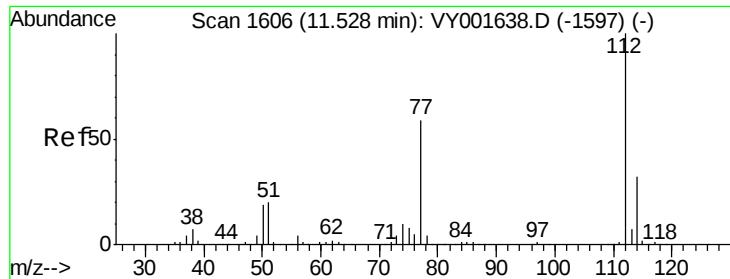
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#64
Tetrachloroethene
Concen: 4.767 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	8519		
166	123.1		101.4	152.0
129	106.5		78.7	118.1
131	92.9		76.0	114.0





#65

Chlorobenzene

Concen: 4.446 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:112 Resp: 25268

Ion Ratio Lower Upper

112 100

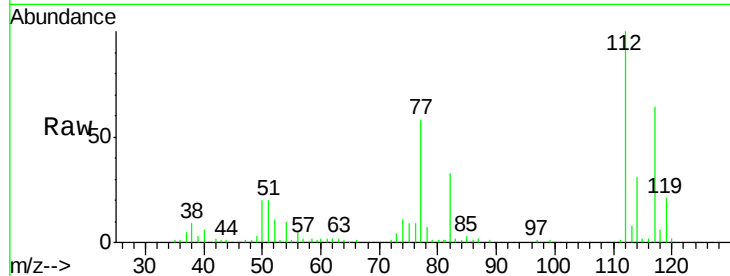
114 30.7 25.4 38.2

Manual Integrations

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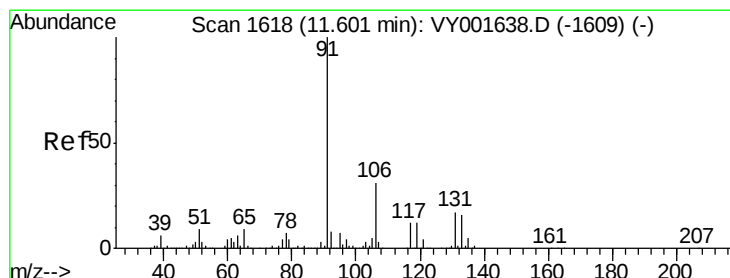
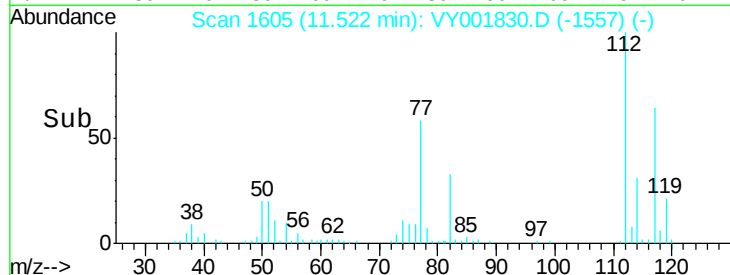
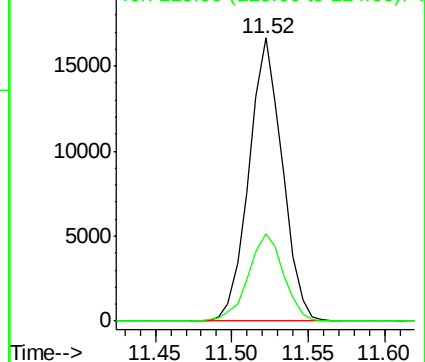
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.111 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

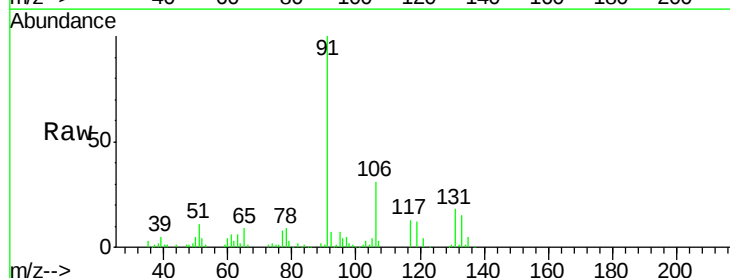
Tgt Ion:131 Resp: 7882

Ion Ratio Lower Upper

131 100

133 97.7 47.4 142.2

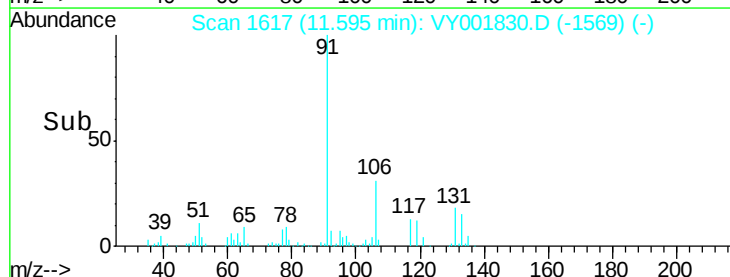
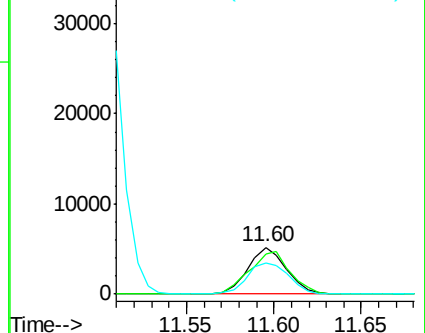
119 73.4 34.4 103.1

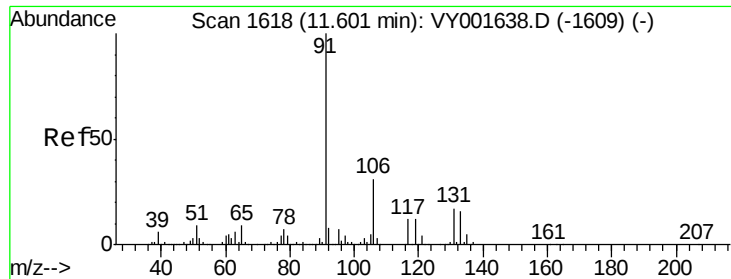


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 4.413 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 91 Resp: 46543

Ion Ratio Lower Upper

91 100

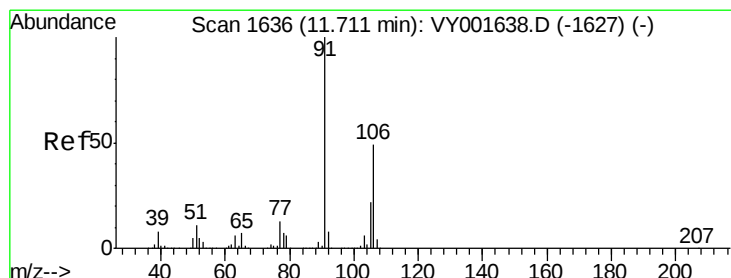
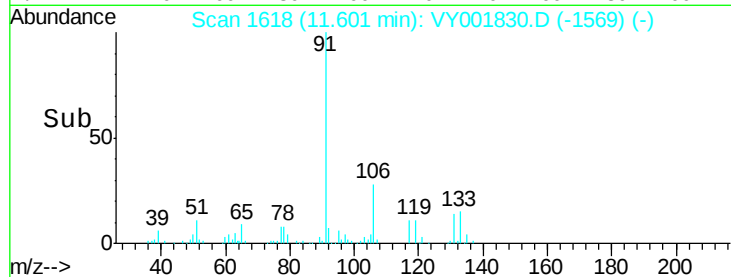
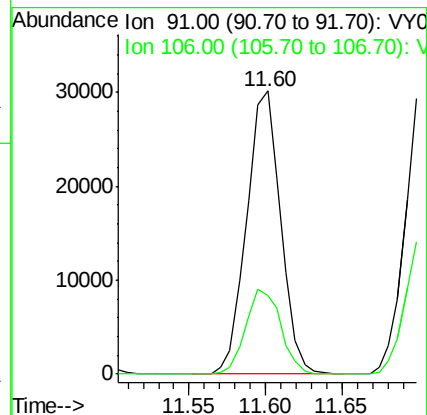
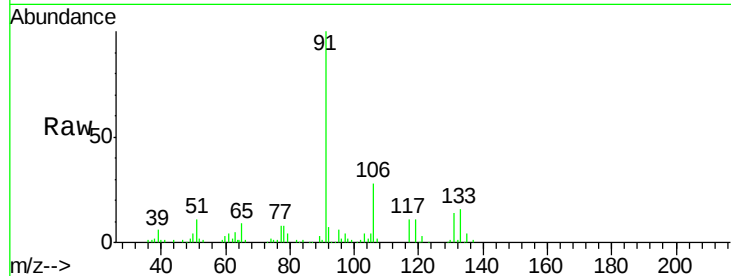
106 27.7 24.5 36.7

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#68

m/p-Xylenes

Concen: 8.798 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001830.D

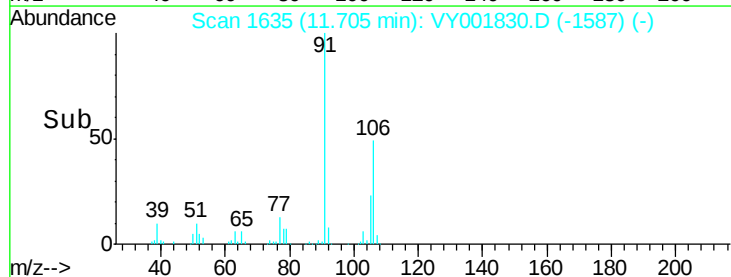
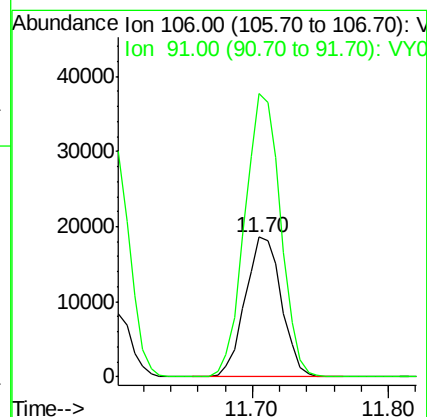
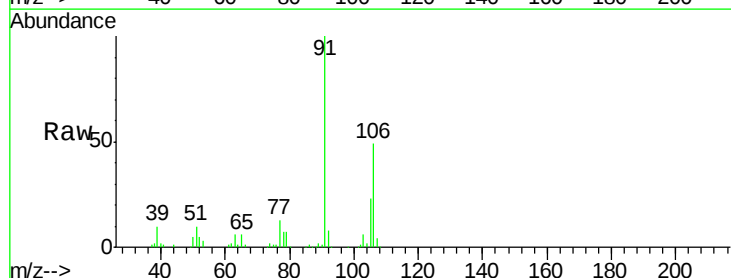
Acq: 03 Mar 2020 13:30

Tgt Ion: 106 Resp: 34665

Ion Ratio Lower Upper

106 100

91 200.7 163.3 244.9





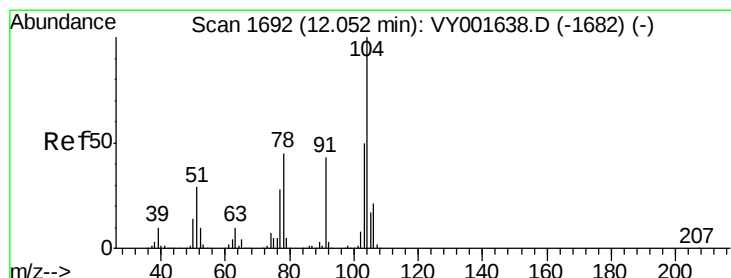
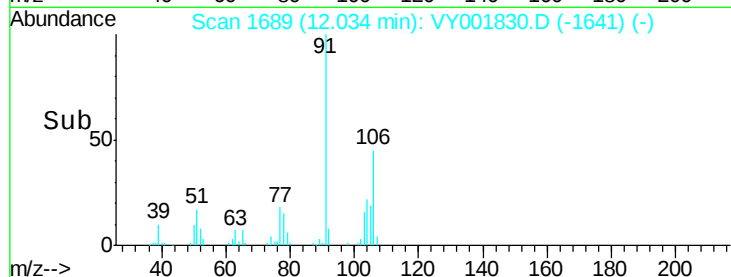
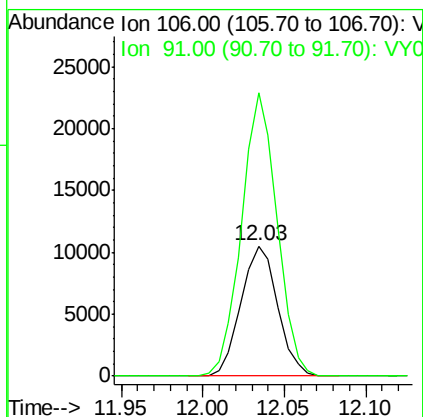
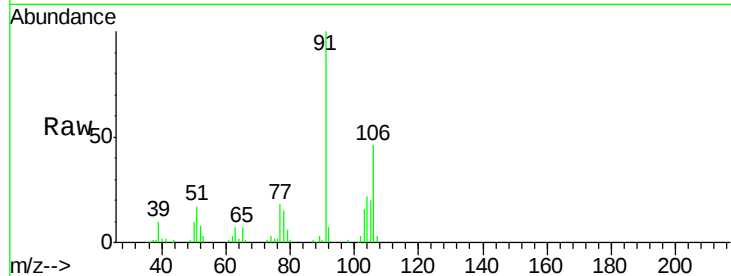
#69
o-Xylene
Concen: 4.404 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		16495		
91	210.5	108.3	324.9		

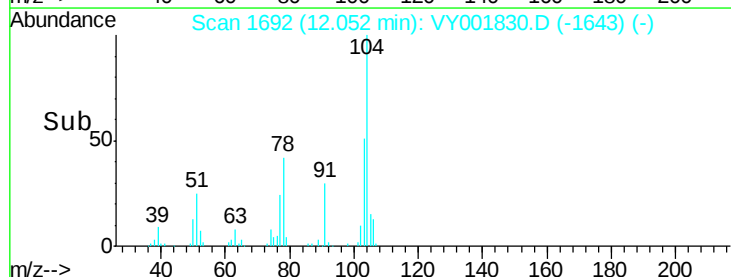
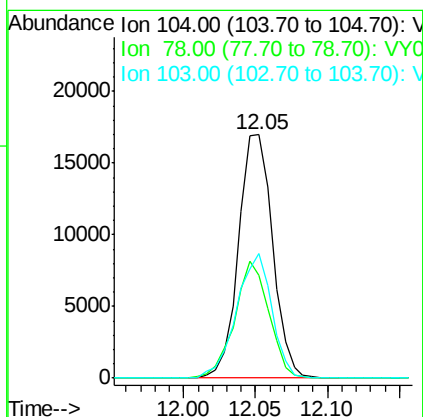
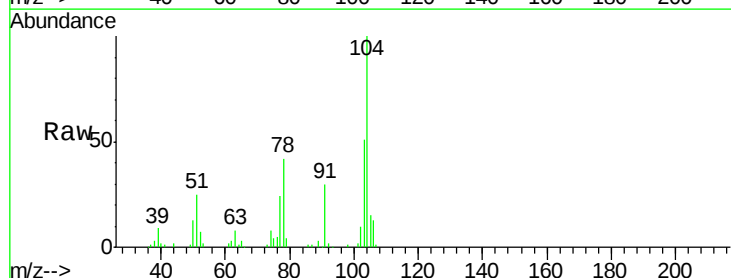
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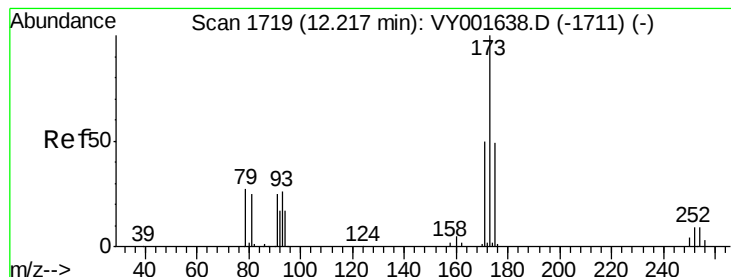
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#70
Styrene
Concen: 4.284 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		27886		
78	48.4	39.2	58.8		
103	52.9	43.0	64.6		





#71

Bromoform

Concen: 4.081 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

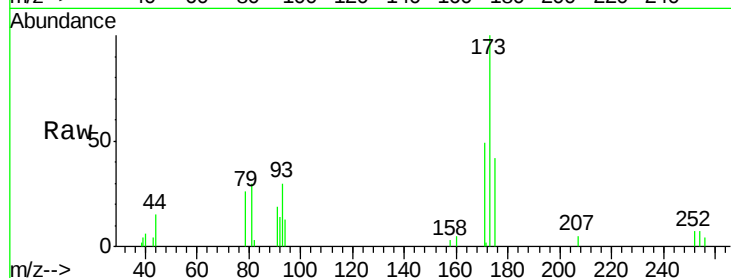
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

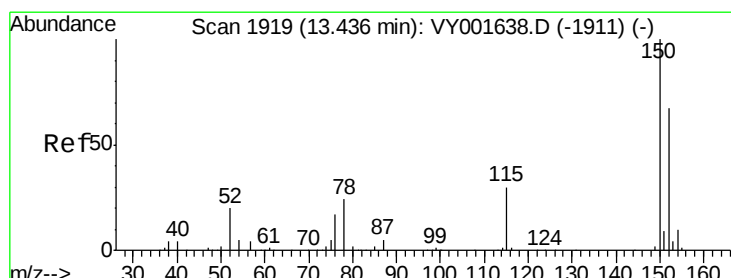
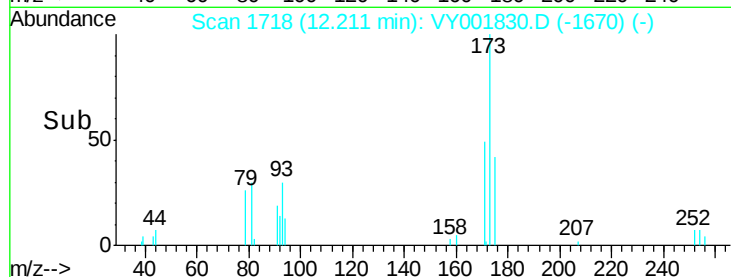
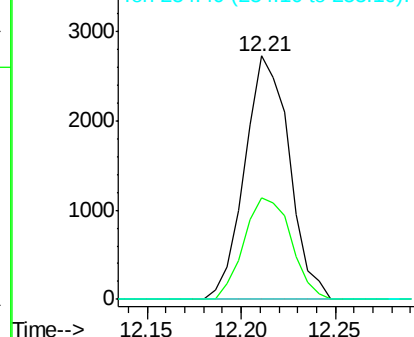
Tot Ion	Ratio	Lower	Upper
173	100		
175	44.2	24.3	73.0
254	0.0	0.1	0.1#

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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

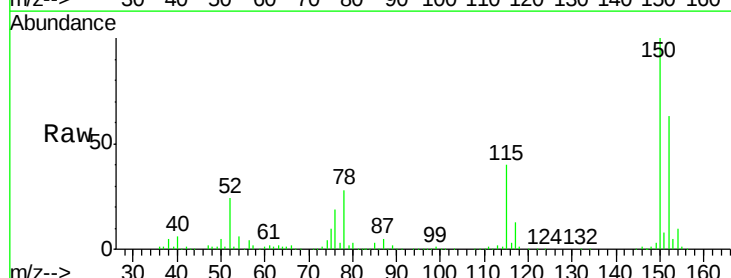
RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

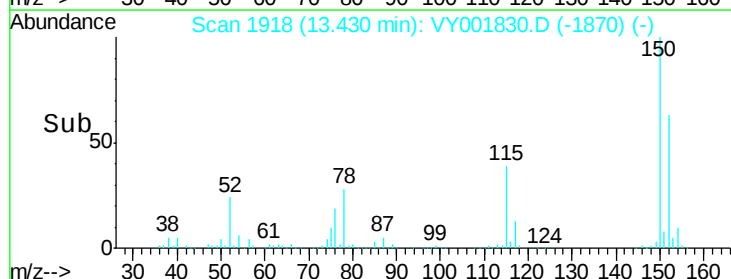
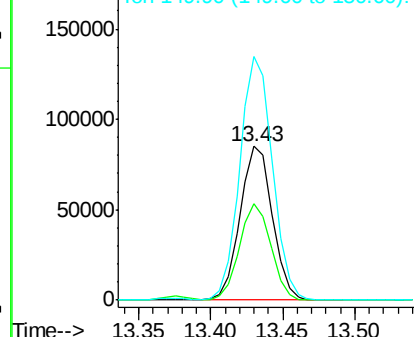
Lab File: VY001830.D

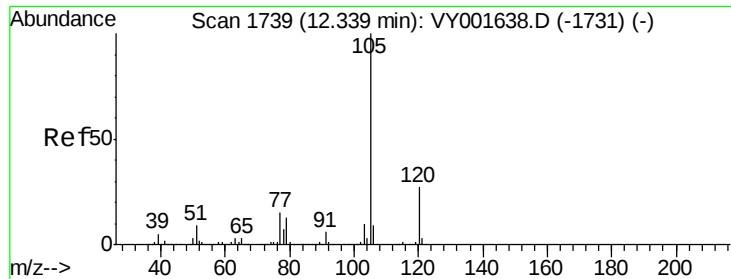
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.4	94.2
150	160.2	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





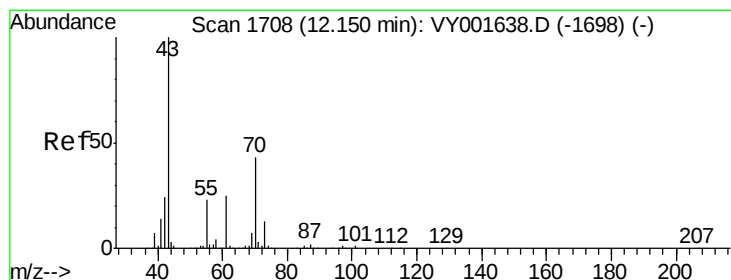
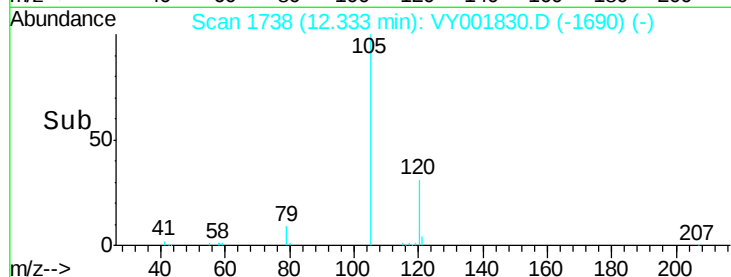
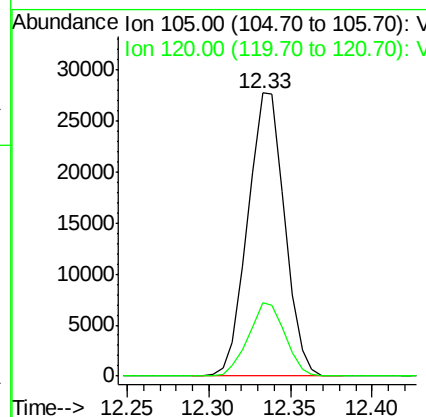
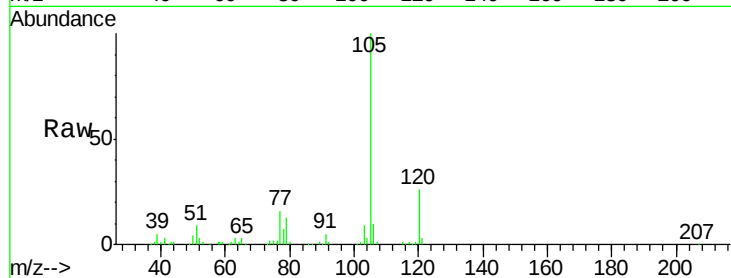
#73
Isopropylbenzene
Concen: 4.331 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.4	40.1

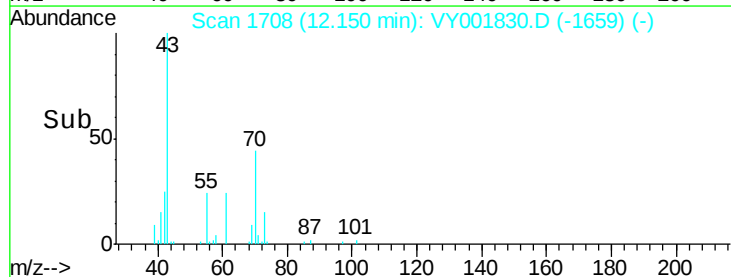
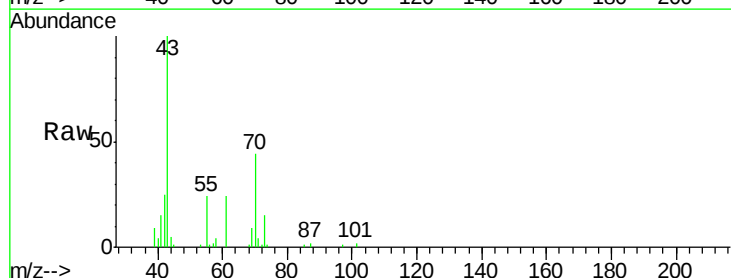
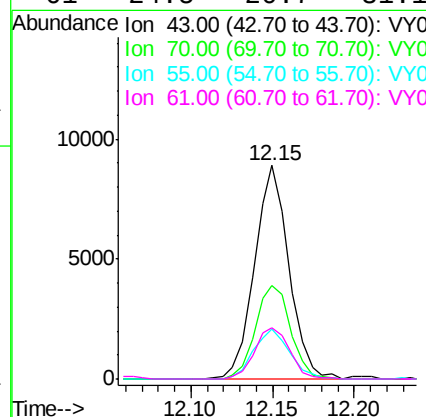
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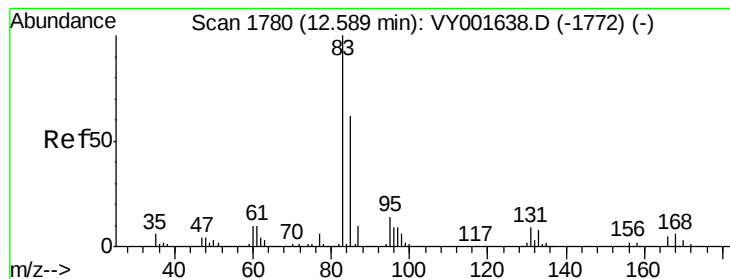
MMDadoda
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#74
N-ethyl acetate
Concen: 4.033 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.3	35.9	53.9
55	24.6	18.3	27.5
61	24.5	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 4.454 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

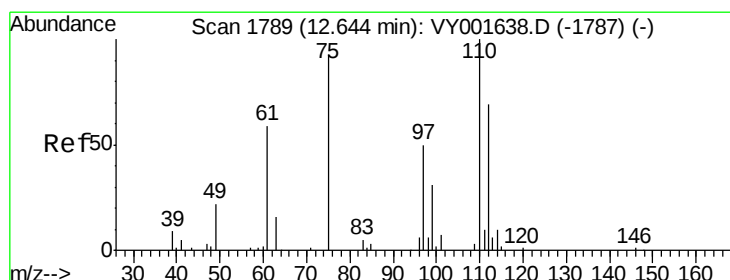
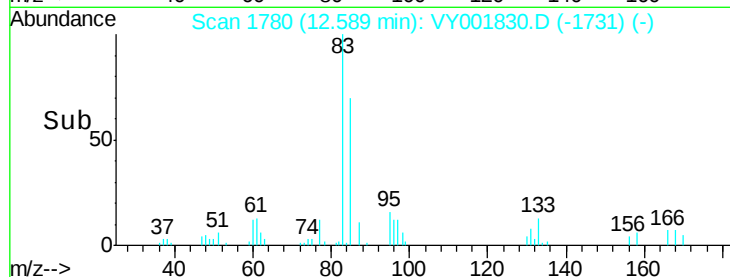
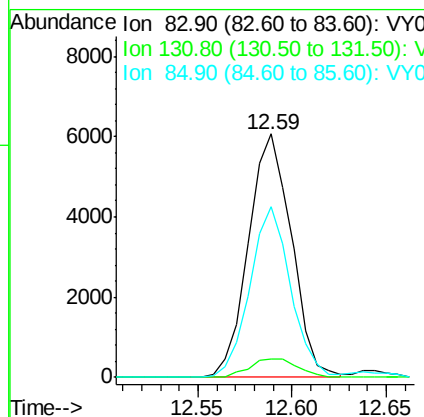
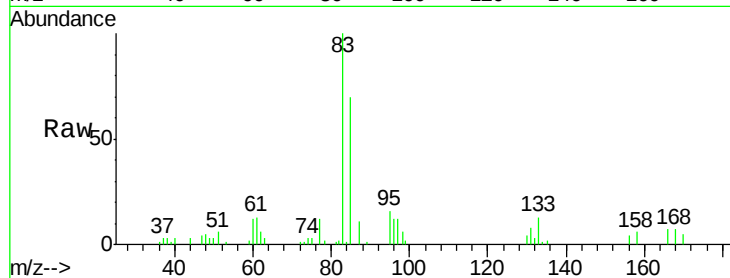
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	83	Resp:	9600
Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.7	14.1
85	66.3	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 3.540 ug/l m

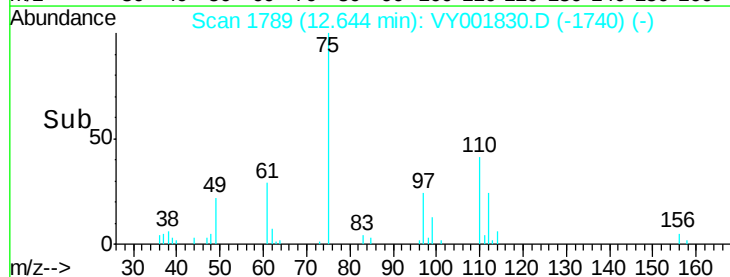
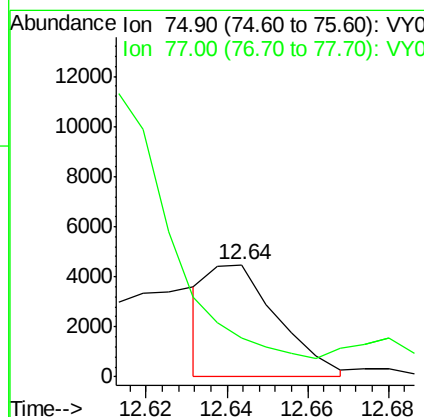
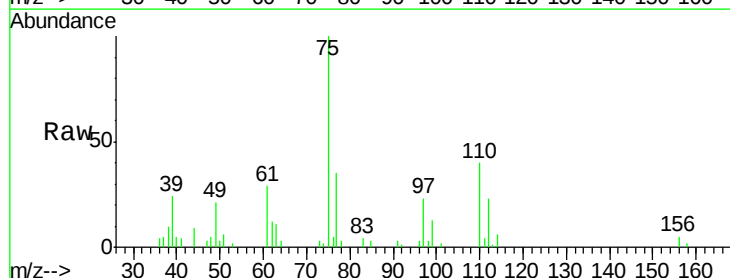
RT: 12.64 min Scan# 1789

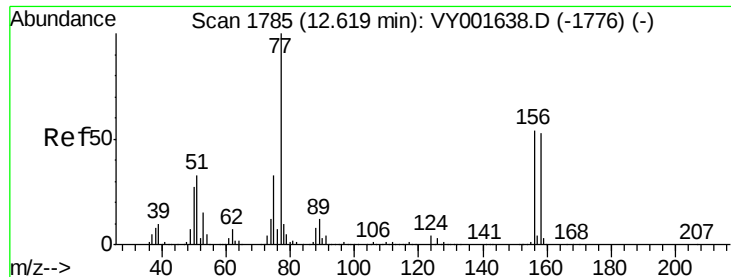
Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Tgt Ion:	75	Resp:	5381
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.586 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

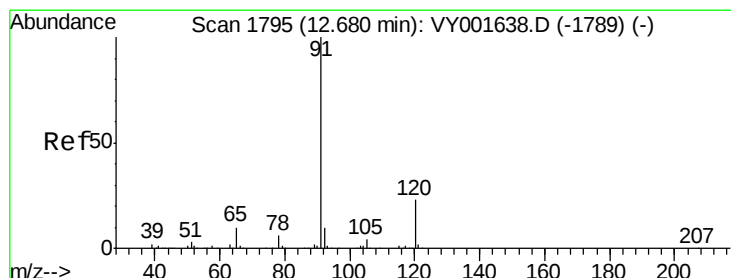
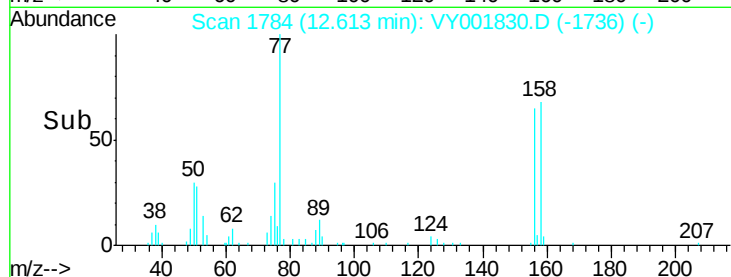
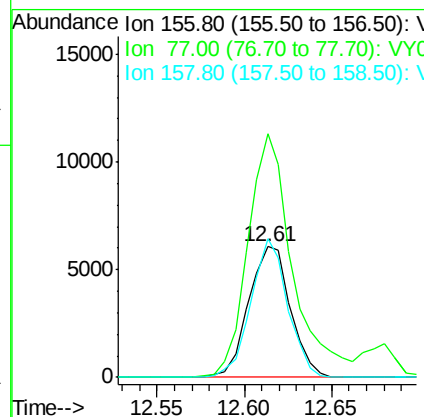
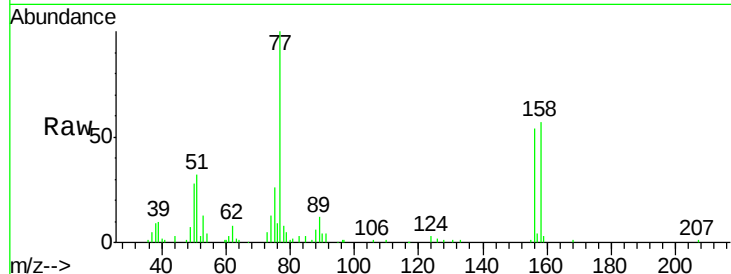
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	156	Resp:	10035
Ion Ratio	Lower	Upper	
156	100		
77	199.9	110.1	330.1
158	93.5	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 4.340 ug/l

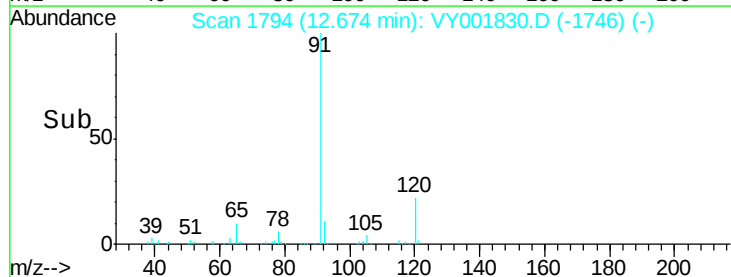
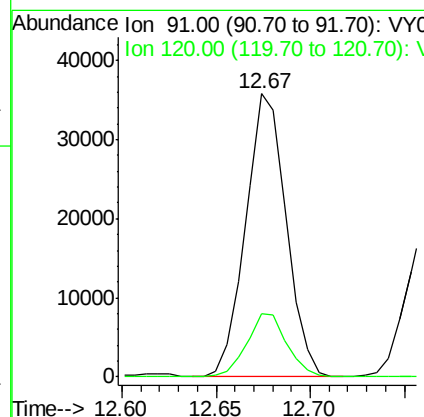
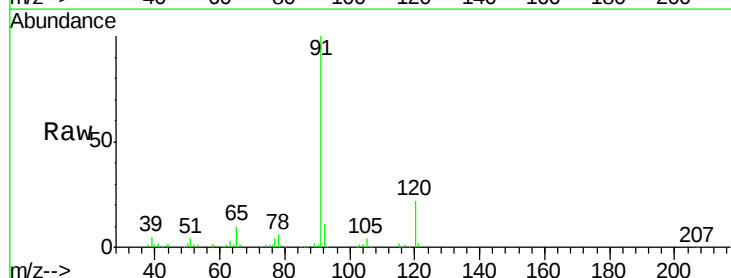
RT: 12.67 min Scan# 1794

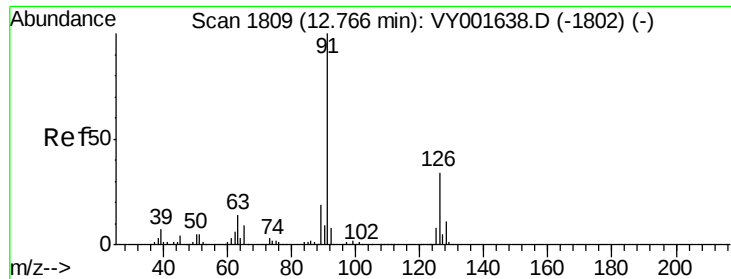
Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Tgt Ion:	91	Resp:	53350
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.1	33.1





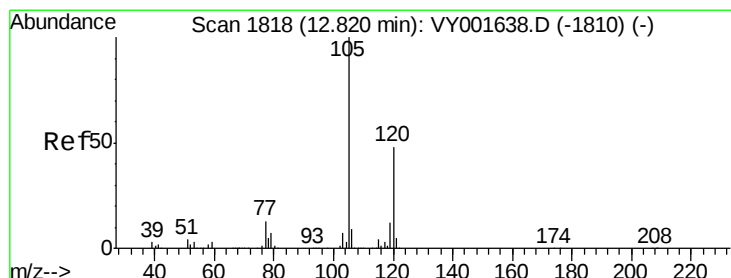
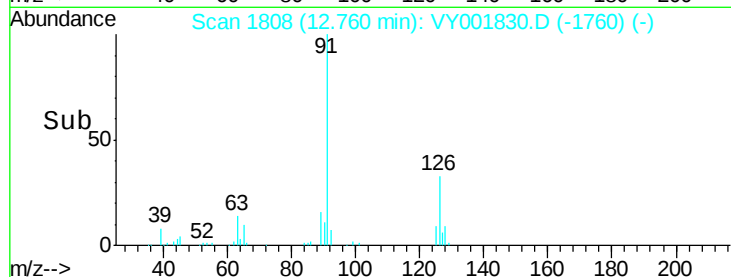
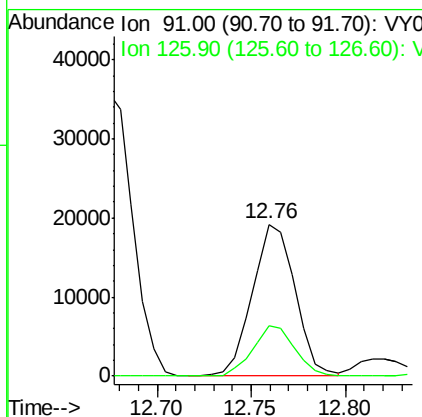
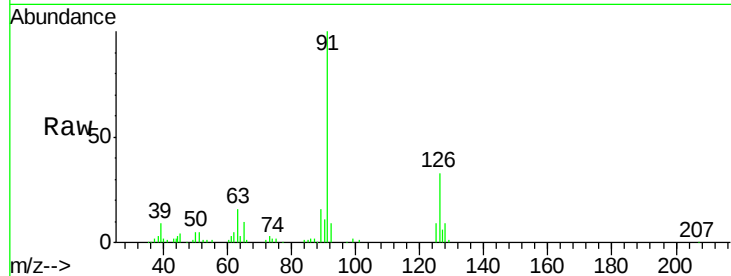
#79
2-Chlorotoluene
Concen: 4.379 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion: 91 Resp: 30191
Ion Ratio Lower Upper
91 100
126 32.7 16.2 48.6

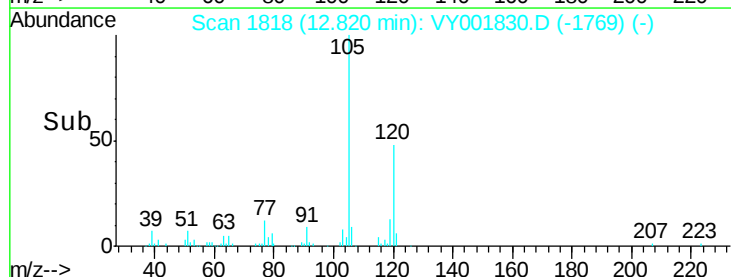
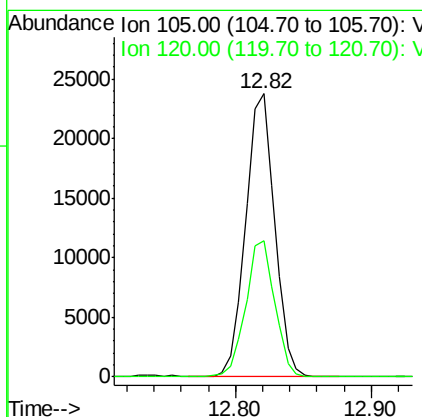
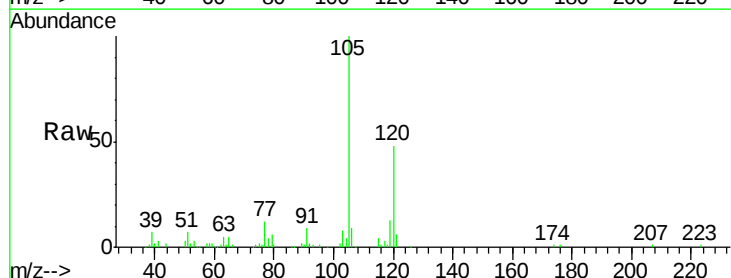
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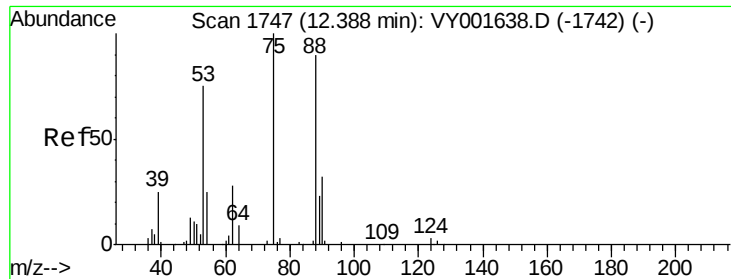
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#80
1,3,5-Trimethylbenzene
Concen: 4.249 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 105 Resp: 35499
Ion Ratio Lower Upper
105 100
120 48.1 24.3 72.9





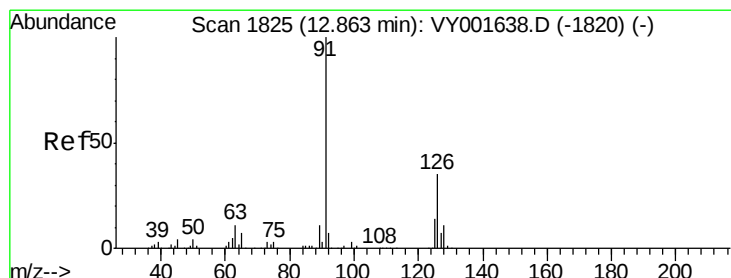
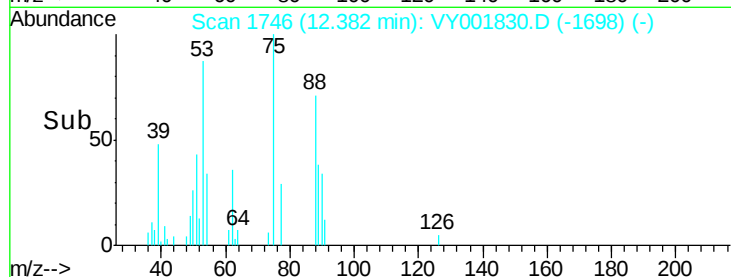
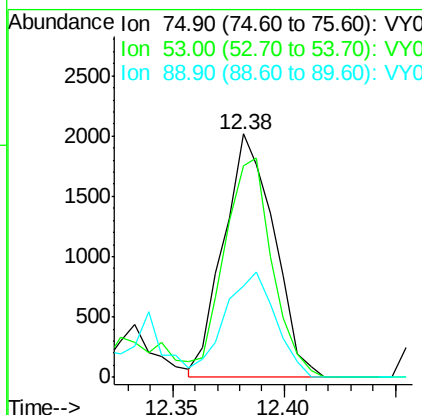
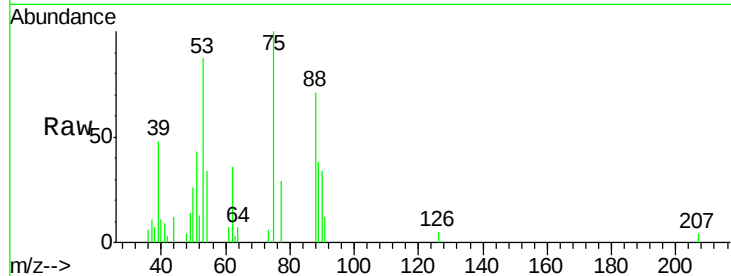
#81
trans-1,4-Dichloro-2-butene
Concen: 3.973 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.4	64.5	96.7
89	43.4	36.3	54.5

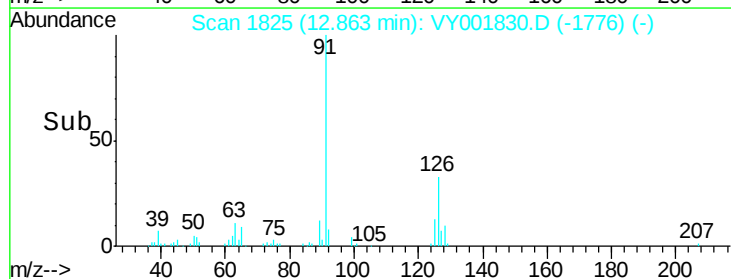
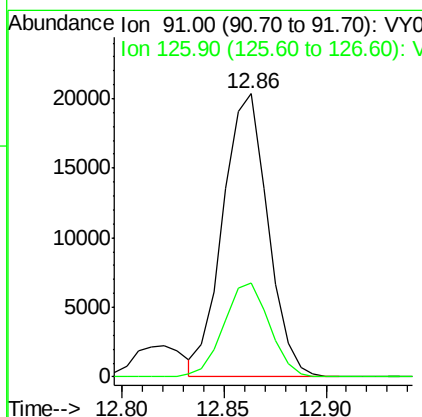
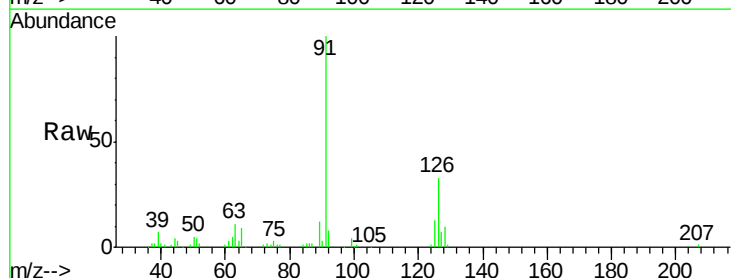
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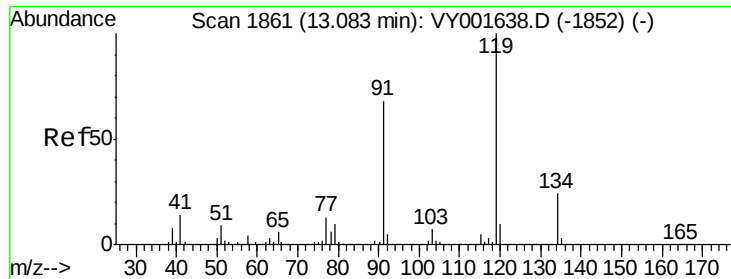
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#82
4-Chlorotoluene
Concen: 4.282 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.2	48.6





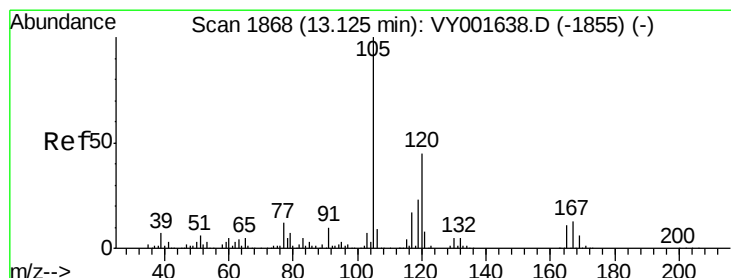
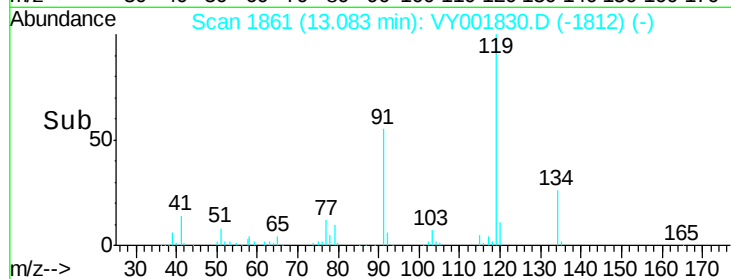
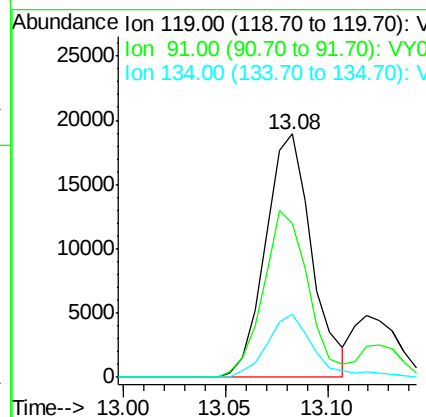
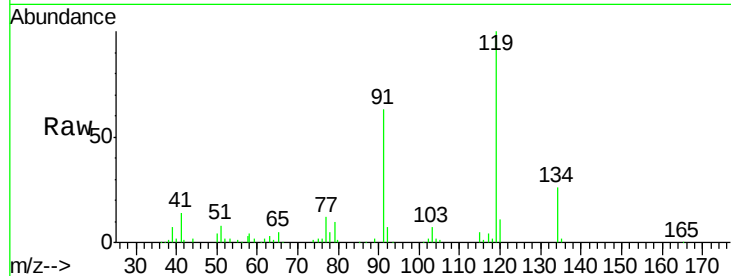
#83
 tert-Butylbenzene
 Concen: 4.285 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	33.5	100.5
134	26.6	13.3	39.8

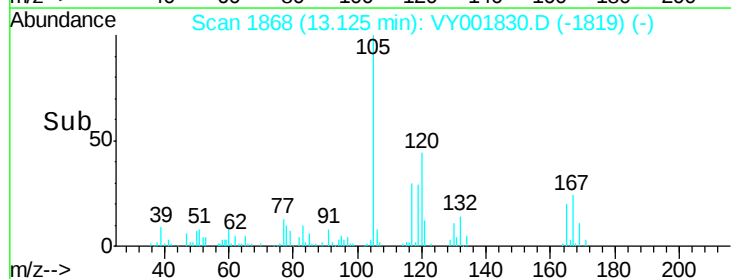
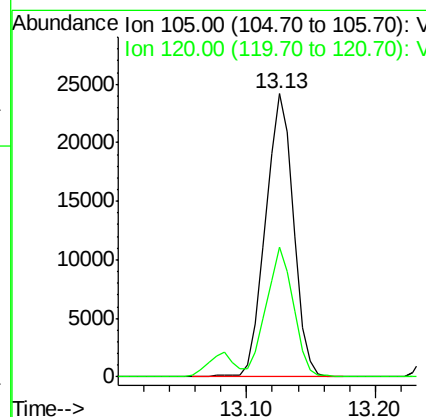
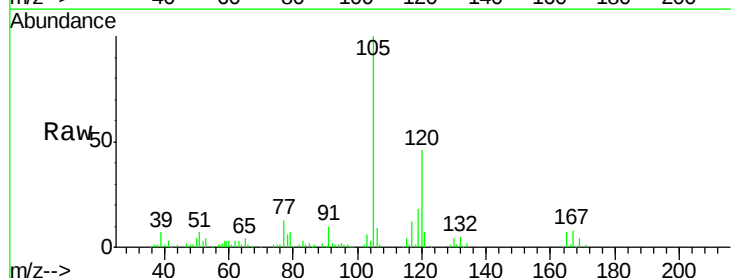
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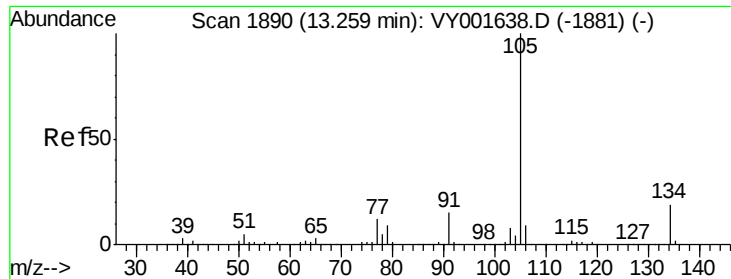
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.358 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3





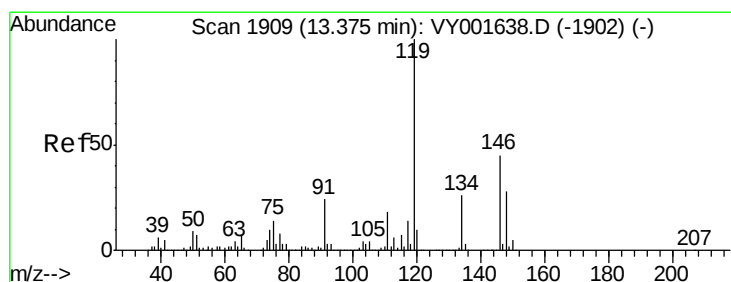
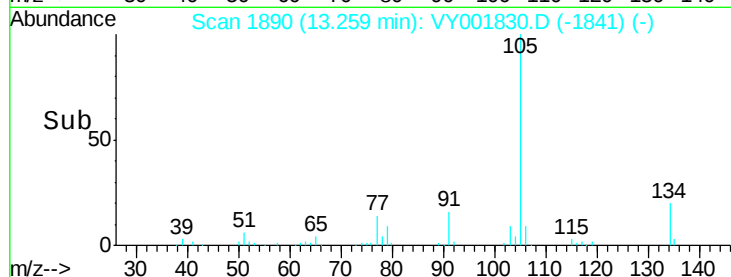
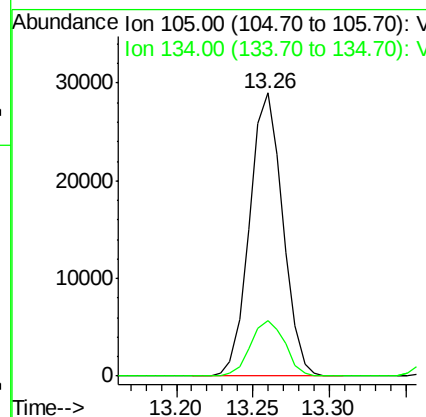
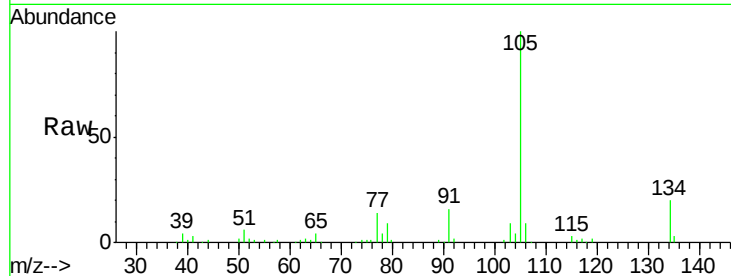
#85
 sec-Butylbenzene
 Concen: 4.260 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.8	29.3

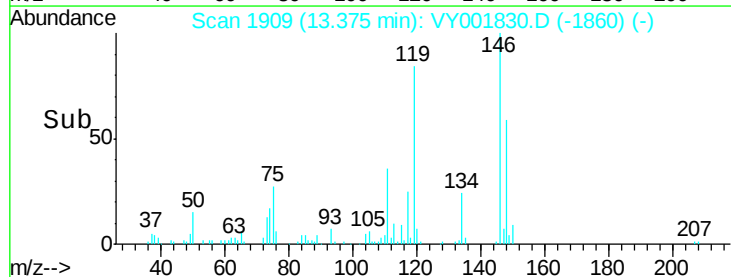
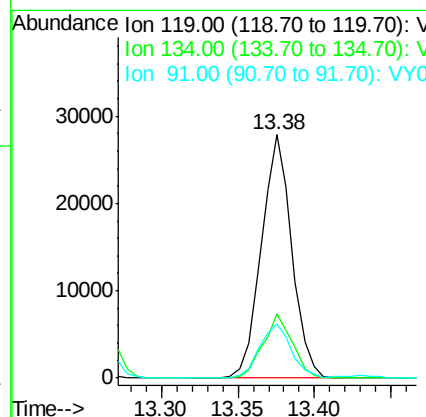
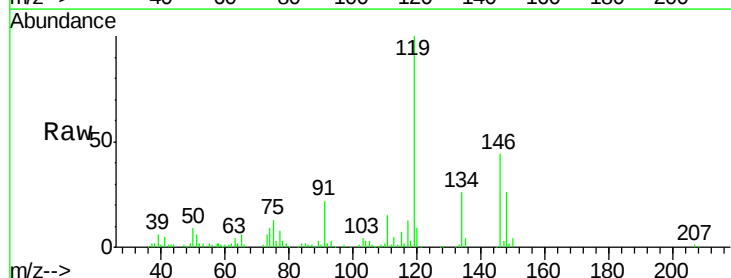
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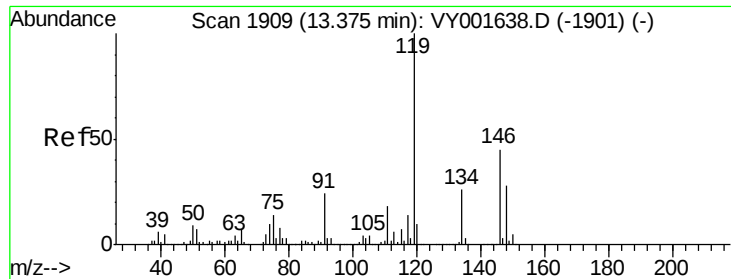
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#86
 p-Isopropyltoluene
 Concen: 4.320 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	39.0
91	23.6	12.2	36.6





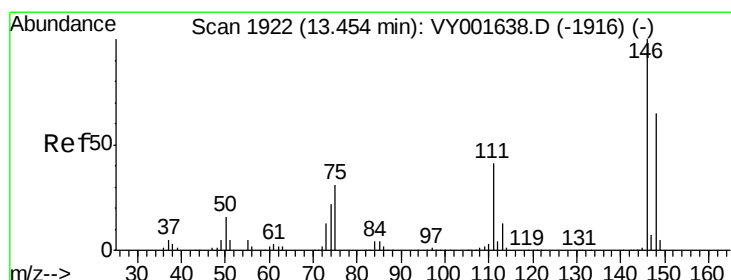
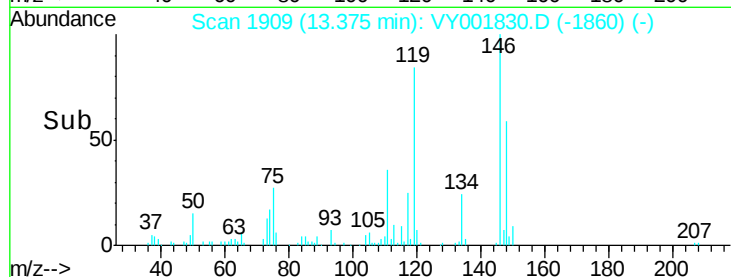
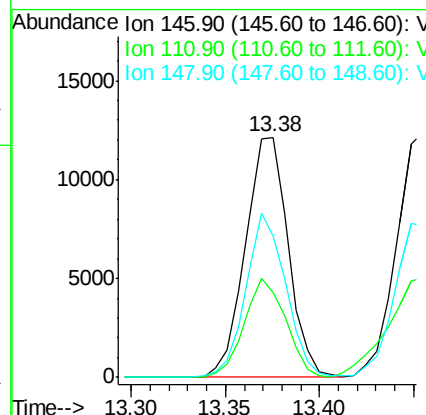
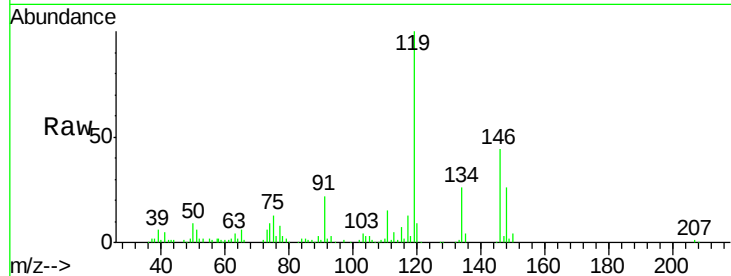
#87
 1,3-Dichlorobenzene
 Concen: 4.502 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Resp	Lower	Upper
146	100	19103		
111	39.9	21.4	64.3	
148	63.8	31.6	94.7	

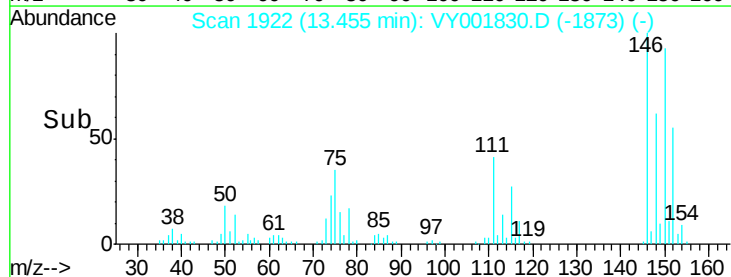
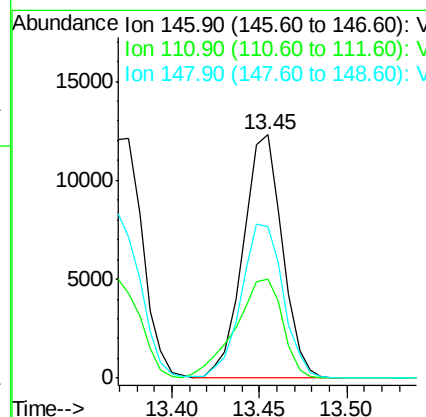
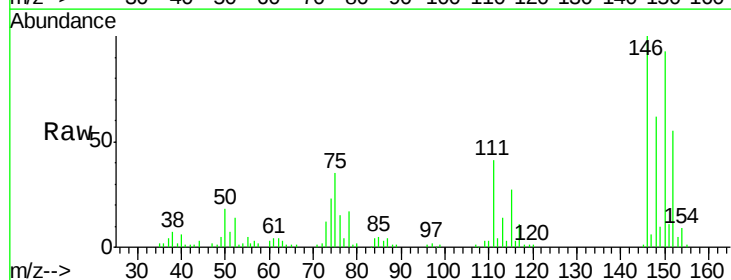
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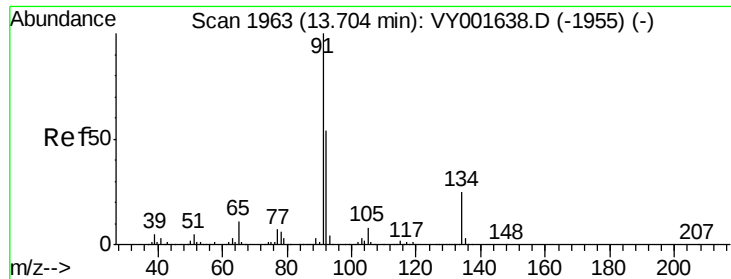
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#88
 1,4-Dichlorobenzene
 Concen: 4.481 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	19221		
111	49.0	20.4	61.3	
148	67.6	31.6	94.7	





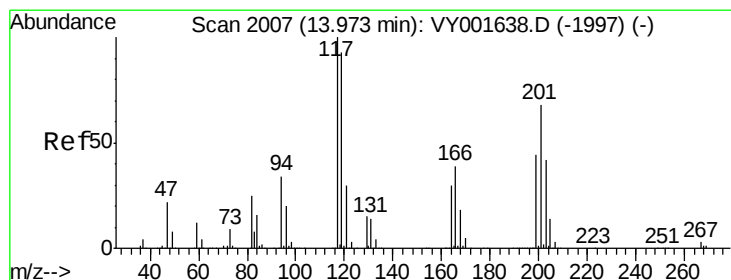
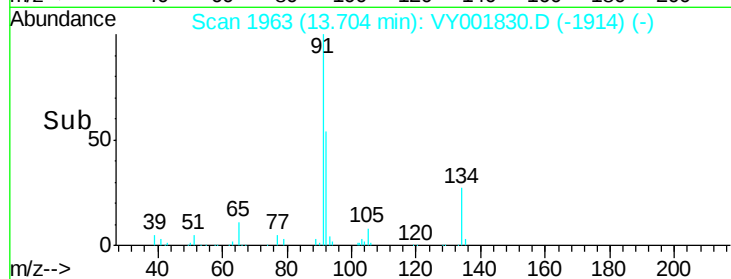
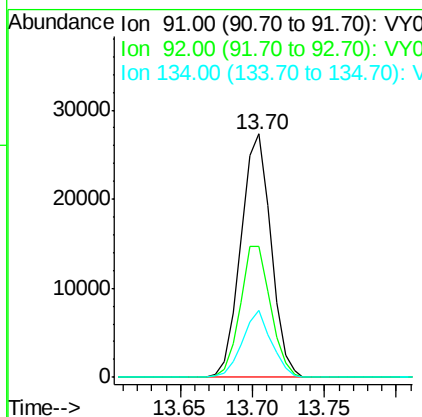
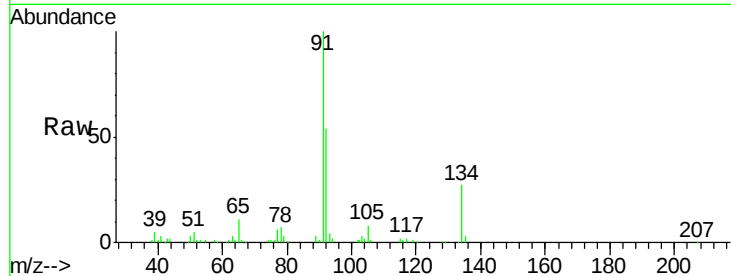
#89
n-Butylbenzene
Concen: 4.339 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.5	82.4
134	26.2	12.4	37.4

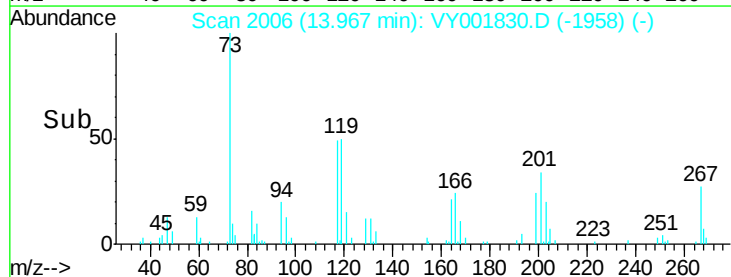
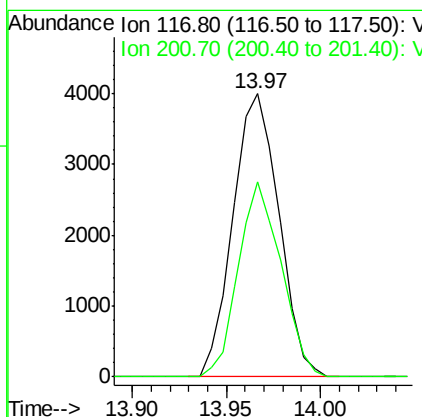
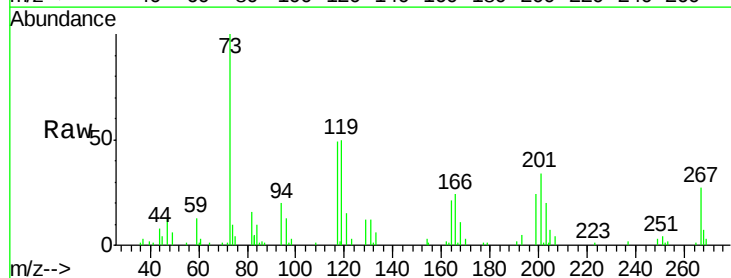
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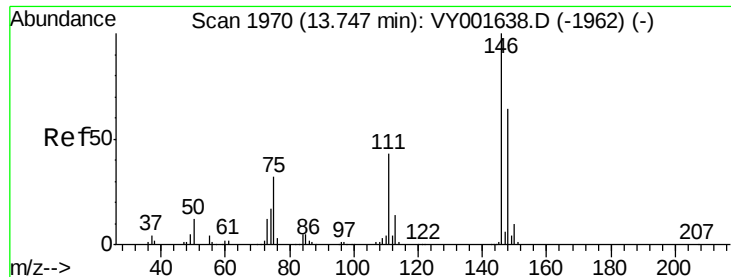
MMDadoda
3/4/2020 2:02:06 PM



#90
Hexachloroethane
Concen: 4.020 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.0	32.5	97.4





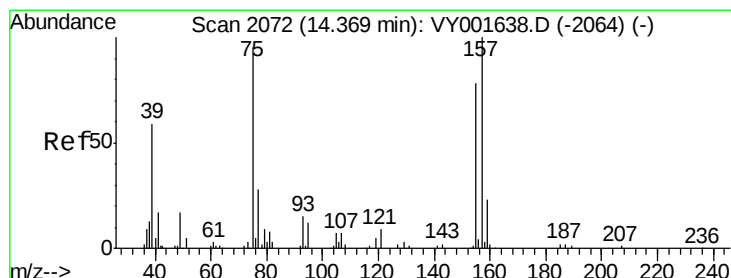
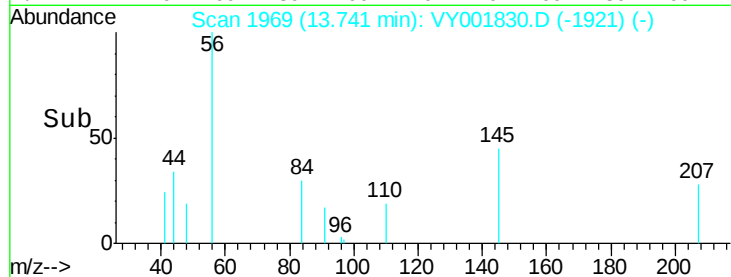
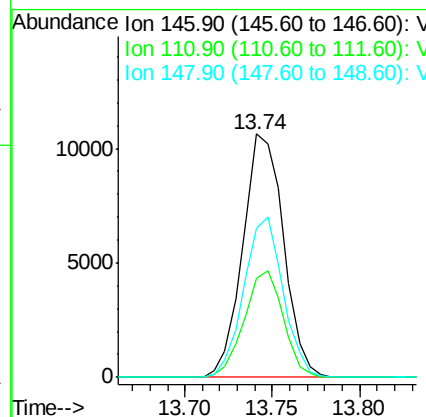
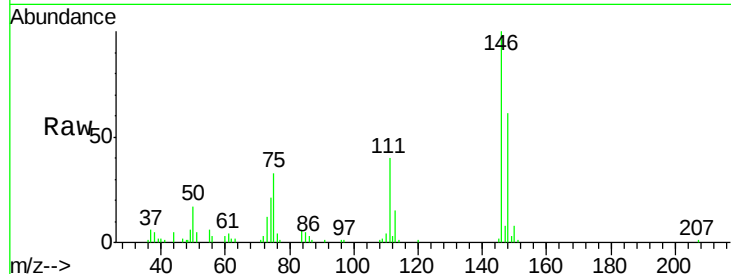
#91
 1,2-Dichlorobenzene
 Concen: 4.402 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.9	65.7
148	63.3	31.5	94.5

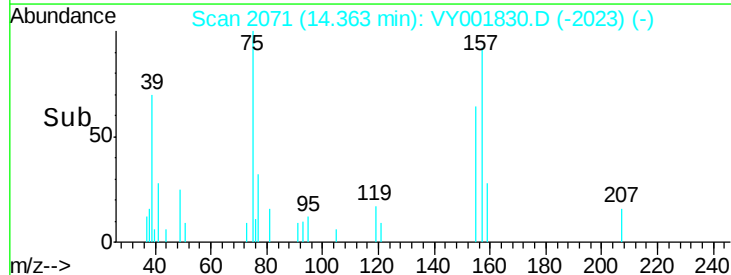
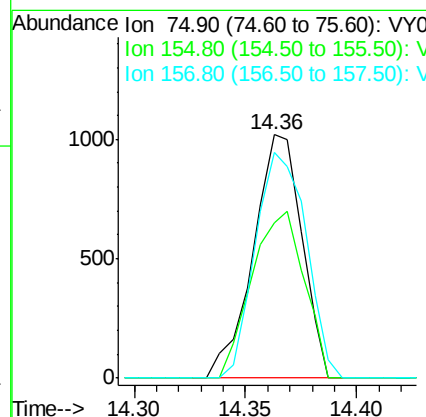
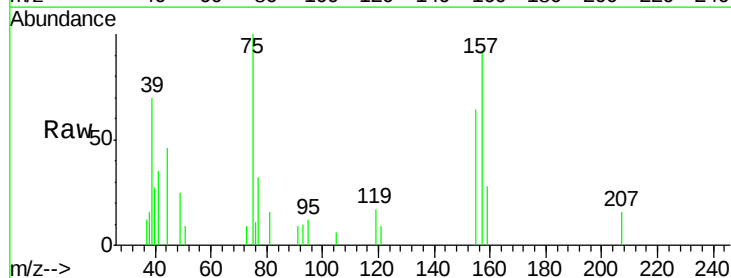
Manual Integrations
 APPROVED

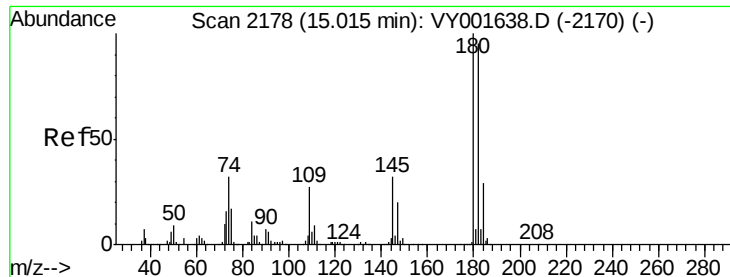
MMDadoda
 3/4/2020 2:02:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.361 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	40.8	122.4
157	96.5	52.1	156.4





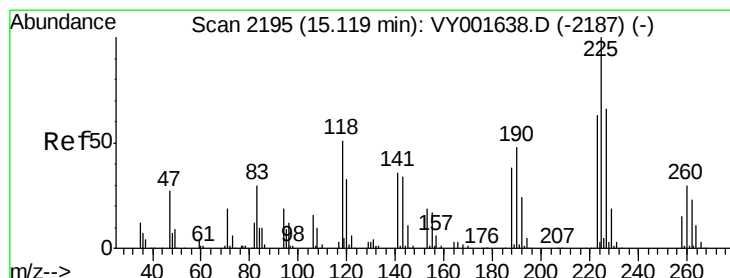
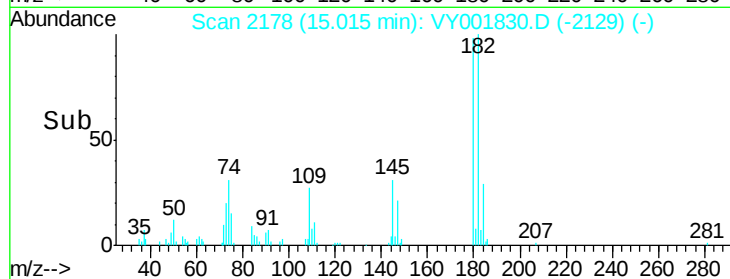
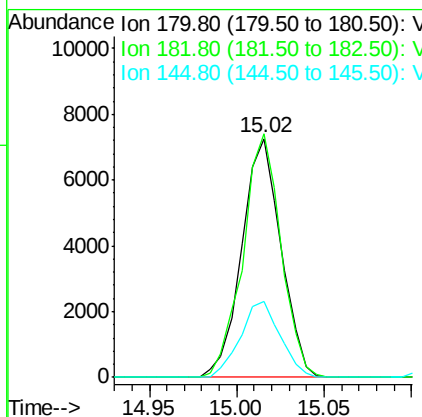
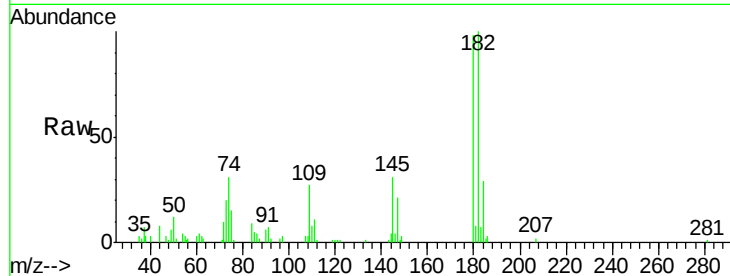
#93
1,2,4-Trichlorobenzene
Concen: 4.350 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.1	46.8	140.3	
145	32.4	16.2	48.5	

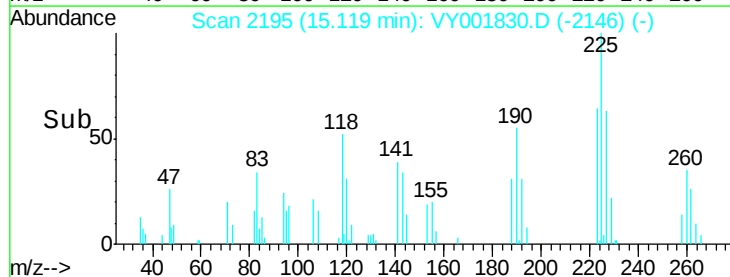
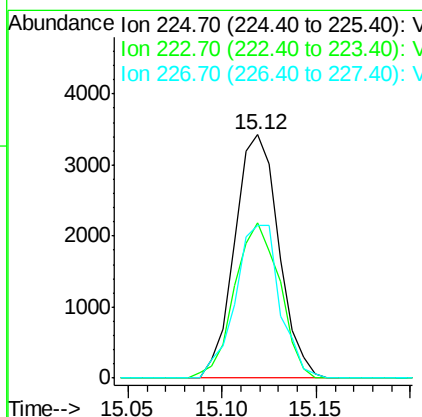
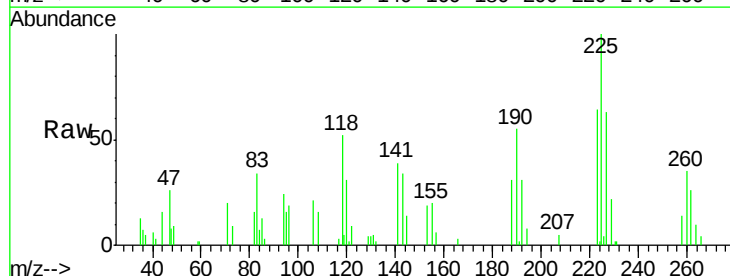
Manual Integrations
APPROVED

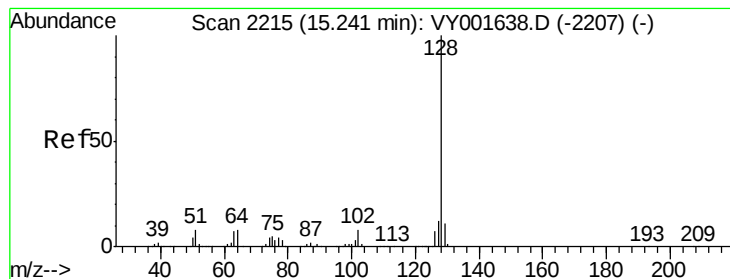
MMDadoda
3/4/2020 2:02:06 PM



#94
Hexachlorobutadiene
Concen: 4.301 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.1	31.4	94.0	
227	63.6	31.6	94.8	





#95

Naphthalene

Concen: 4.519 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

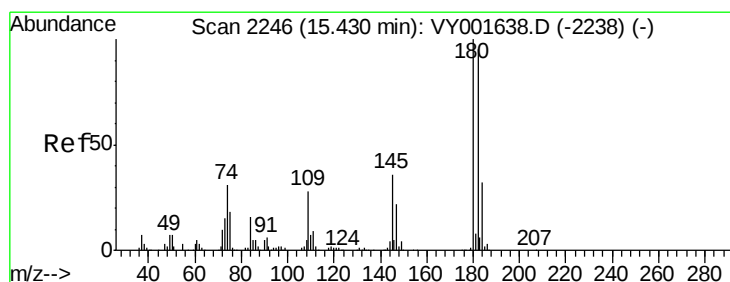
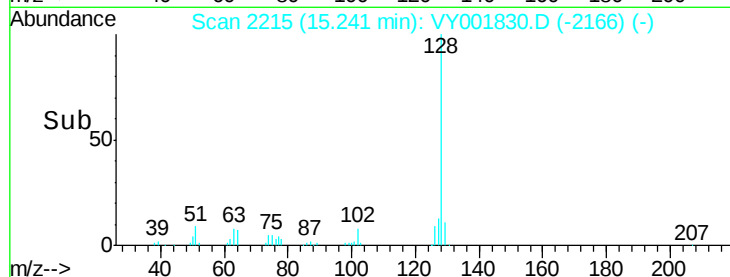
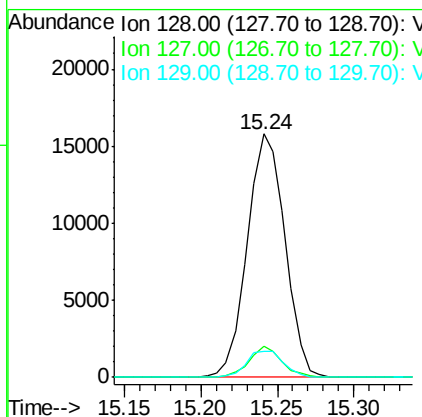
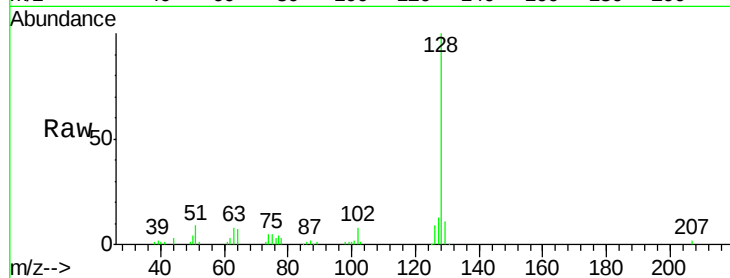
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	128	Resp:	27042
Ion Ratio	Lower	Upper	
128	100		
127	11.1	9.9	14.9
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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3/4/2020 2:02:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.496 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Tgt Ion:	180	Resp:	10265
Ion Ratio	Lower	Upper	
180	100		
182	97.4	47.2	141.6
145	36.4	17.3	52.0

