

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001852.D
 Acq On : 04 Mar 2020 14:45
 Operator : SY/MD
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 3/5/2020 1:37:23 PM

Quant Time: Mar 05 05:51:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	181622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	324975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	287675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	133154	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	99890	51.52	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.74	113	91445	51.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.19	98	382047	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.49	95	131182	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	4987	2.975	ug/l	92
3) Chloromethane	2.12	50	6653	2.943	ug/l	93
4) Vinyl Chloride	2.26	62	6515	2.834	ug/l	99
5) Bromomethane	2.66	94	4660	3.055	ug/l	94
6) Chloroethane	2.80	64	3749	2.596	ug/l	97
7) Trichlorofluoromethane	3.14	101	8496	2.725	ug/l	96
8) Diethyl Ether	3.54	74	3230	2.628	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	5399	2.692	ug/l	97
10) Methyl Iodide	4.11	142	4943	2.131	ug/l	100
11) Tert butyl alcohol	4.97	59	2839m	11.995	ug/l	
12) 1,1-Dichloroethene	3.89	96	5554	2.750	ug/l	96
13) Acrolein	3.75	56	3659	13.429	ug/l	96
14) Allyl chloride	4.50	41	9257	2.586	ug/l	99
15) Acrylonitrile	5.19	53	9382	14.287	ug/l	97
16) Acetone	3.97	43	8374	14.828	ug/l	97
17) Carbon Disulfide	4.21	76	17493	2.577	ug/l	97
18) Methyl Acetate	4.50	43	4500	3.101	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	14470	2.644	ug/l #	83
20) Methylene Chloride	4.73	84	9748	4.028	ug/l	92
21) trans-1,2-Dichloroethene	5.24	96	5912	2.579	ug/l	90
22) Diisopropyl ether	6.14	45	19121	2.606	ug/l	94
23) Vinyl Acetate	6.08	43	60778	12.634	ug/l	98
24) 1,1-Dichloroethane	6.04	63	10136	2.551	ug/l	99
25) 2-Butanone	7.01	43	11172	13.009	ug/l	96
26) 2,2-Dichloropropane	7.00	77	8391	2.573	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	6685	2.681	ug/l	96
28) Bromochloromethane	7.35	49	4869	2.718	ug/l	93
29) Tetrahydrofuran	7.37	42	7464	13.088	ug/l	94
30) Chloroform	7.53	83	10182	2.727	ug/l	93
31) Cyclohexane	7.80	56	14647	3.438	ug/l #	70
32) 1,1,1-Trichloroethane	7.72	97	8370	2.660	ug/l	98
36) 1,1-Dichloropropene	7.94	75	8093	2.588	ug/l	99
37) Ethyl Acetate	7.09	43	4353	2.395	ug/l #	95
38) Carbon Tetrachloride	7.92	117	6685	2.502	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	11152	2.689	ug/l	93
40) Benzene	8.18	78	24415	2.634	ug/l	96
41) Methacrylonitrile	7.34	41	2855m	3.490	ug/l	
42) 1,2-Dichloroethane	8.25	62	6819	2.855	ug/l	99
43) Isopropyl Acetate	8.29	43	9181	2.668	ug/l #	90
44) Trichloroethene	8.96	130	5888	2.608	ug/l	93
45) 1,2-Dichloropropane	9.23	63	6049	2.596	ug/l	91
46) Dibromomethane	9.32	93	3301	2.749	ug/l	94
47) Bromodichloromethane	9.51	83	7067	2.530	ug/l #	99
48) Methyl methacrylate	9.30	41	3970	2.600	ug/l	96
49) 1,4-Dioxane	9.31	88	912	55.429	ug/l #	86
51) 4-Methyl-2-Pentanone	10.08	43	23496	13.256	ug/l	98
52) Toluene	10.25	92	14599	2.593	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	7635	2.509	ug/l	91
54) cis-1,3-Dichloropropene	9.94	75	9333	2.576	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	4623	2.631	ug/l	90
56) Ethyl methacrylate	10.52	69	6460	2.508	ug/l	90
57) 1,3-Dichloropropane	10.80	76	8137	2.598	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.80	63	12883	12.614	ug/l	98
59) 2-Hexanone	10.84	43	16268	12.859	ug/l	99
60) Dibromochloromethane	10.99	129	4406	2.379	ug/l	100
61) 1,2-Dibromoethane	11.10	107	4395	2.640	ug/l	100
64) Tetrachloroethene	10.73	164	4865	2.697	ug/l	94
65) Chlorobenzene	11.52	112	15501	2.704	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.60	131	4857	2.584	ug/l	98
67) Ethyl Benzene	11.60	91	29187	2.730	ug/l	97
68) m/p-Xylenes	11.71	106	21175	5.358	ug/l	100
69) o-Xylene	12.04	106	9761	2.620	ug/l	98
70) Styrene	12.05	104	16667	2.612	ug/l	98
71) Bromoform	12.22	173	2353	2.308	ug/l #	95
73) Isopropylbenzene	12.34	105	25932	2.551	ug/l	96
74) N-amyl acetate	12.15	43	8098	2.592	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	5696	2.599	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	4341m	2.748	ug/l	
77) Bromobenzene	12.61	156	5913	2.746	ug/l	99
78) n-propylbenzene	12.68	91	34126	2.721	ug/l	100
79) 2-Chlorotoluene	12.77	91	19117	2.759	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	22404	2.677	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	1962m	2.508	ug/l	
82) 4-Chlorotoluene	12.86	91	20315	2.816	ug/l	100
83) tert-Butylbenzene	13.08	119	18912	2.721	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	21648	2.607	ug/l	96
85) sec-Butylbenzene	13.26	105	29137	2.844	ug/l	99
86) p-Isopropyltoluene	13.38	119	24654	2.790	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	12035	2.852	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	12637	2.952	ug/l	88
89) n-Butylbenzene	13.70	91	25827	2.817	ug/l	99
90) Hexachloroethane	13.97	117	4398	2.638	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	10977	2.863	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	896	2.620	ug/l	93

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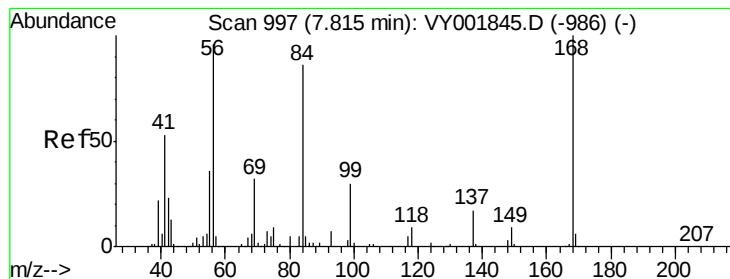
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	7868	3.164	ug/l	99
94) Hexachlorobutadiene	15.12	225	3784	3.122	ug/l	98
95) Naphthalene	15.25	128	17988	3.050	ug/l	98
96) 1,2,3-Trichlorobenzene	15.43	180	6931	3.164	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001852.D

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Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:168 Resp: 181622

Ion Ratio Lower Upper

168 100

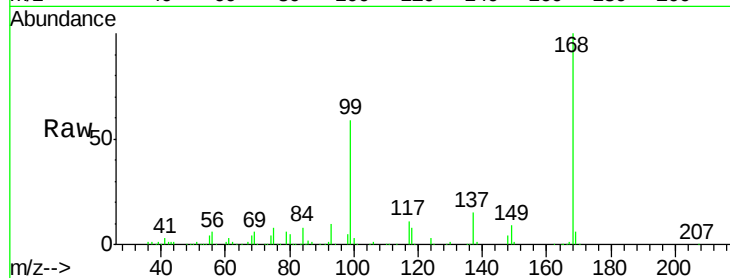
99 58.6 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.81

80000

60000

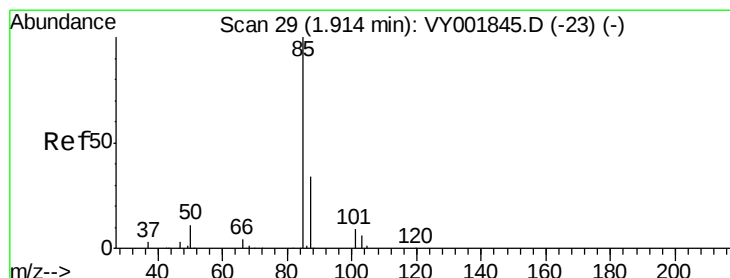
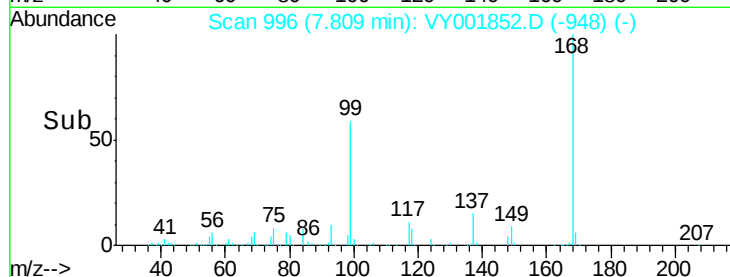
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 2.975 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001852.D

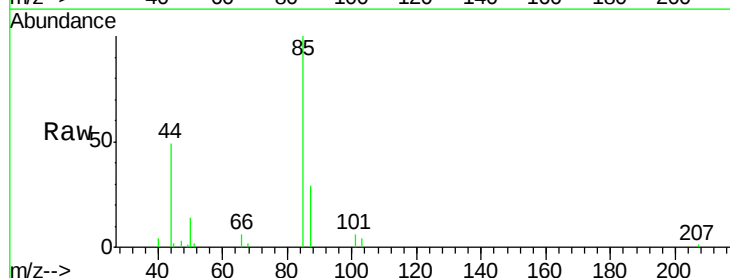
Acq: 04 Mar 2020 14:45

Tgt Ion: 85 Resp: 4987

Ion Ratio Lower Upper

85 100

87 29.1 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

4000

3000

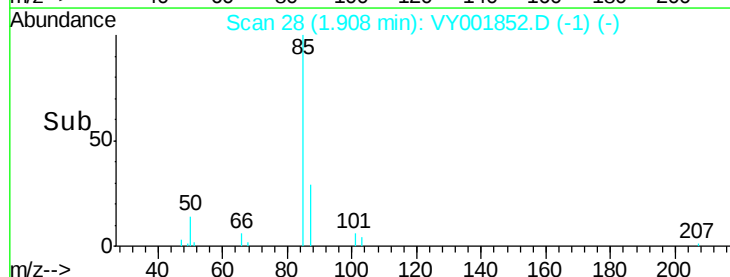
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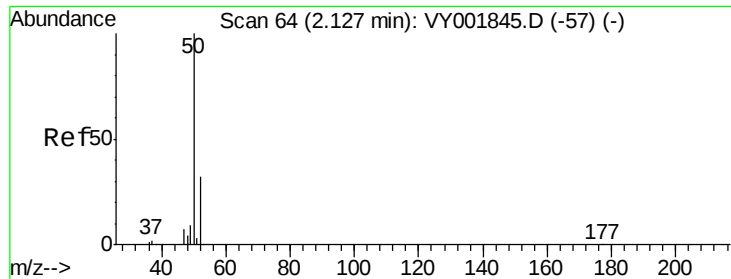
1000

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 2.943 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 50 Resp: 6653

Ion Ratio Lower Upper

50 100

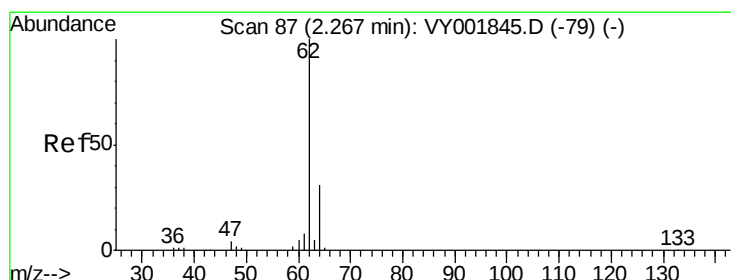
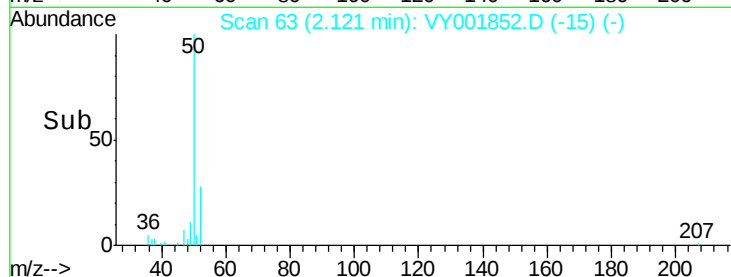
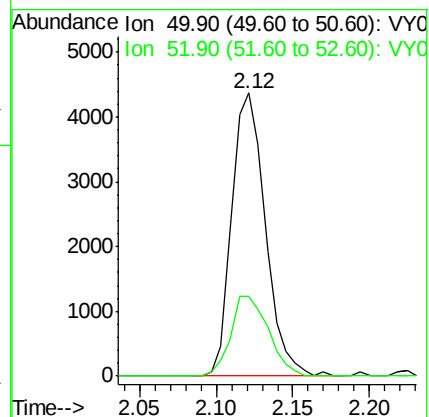
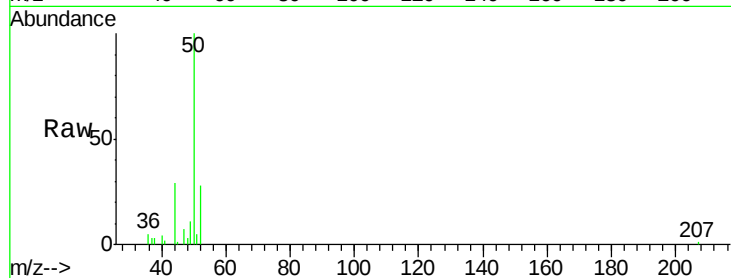
52 28.3 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.834 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001852.D

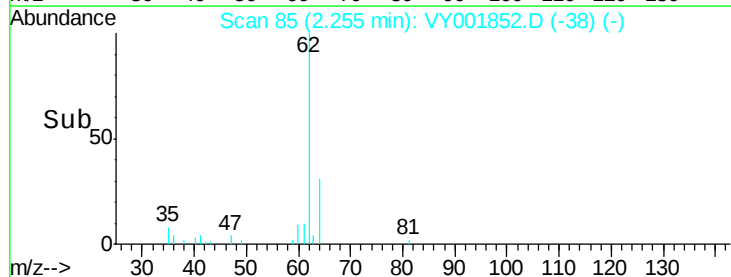
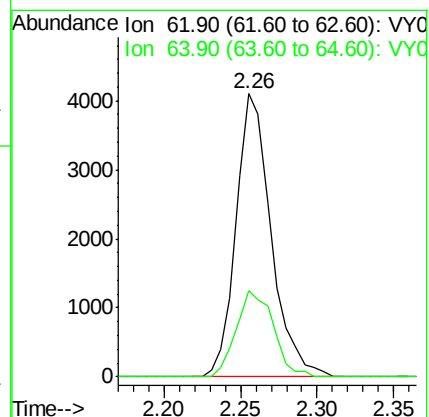
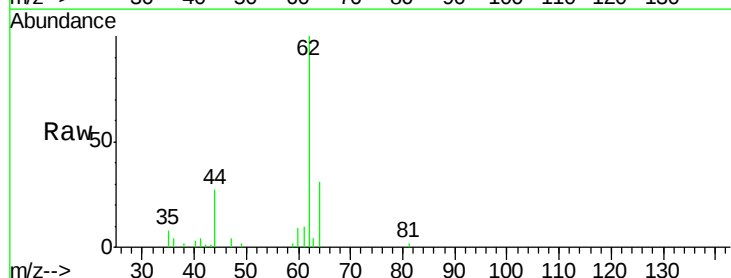
Acq: 04 Mar 2020 14:45

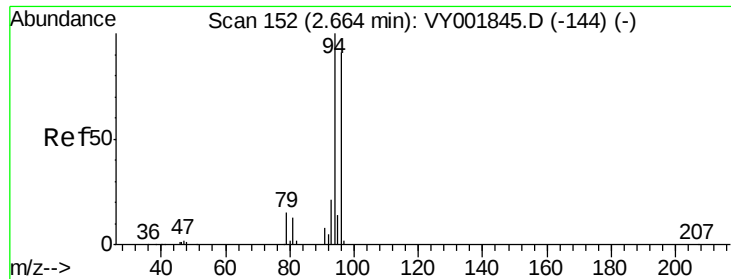
Tgt Ion: 62 Resp: 6515

Ion Ratio Lower Upper

62 100

64 30.7 25.1 37.7





#5

Bromomethane

Concen: 3.055 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

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ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 94 Resp: 4660

Ion Ratio Lower Upper

94 100

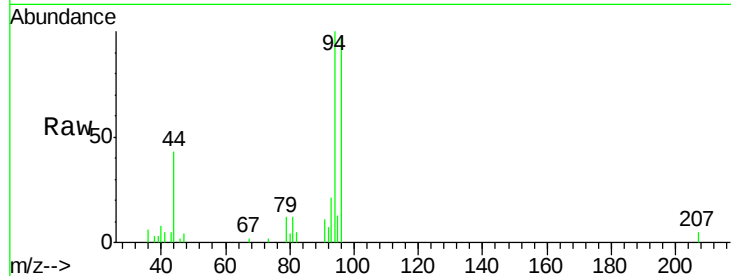
96 97.0 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)

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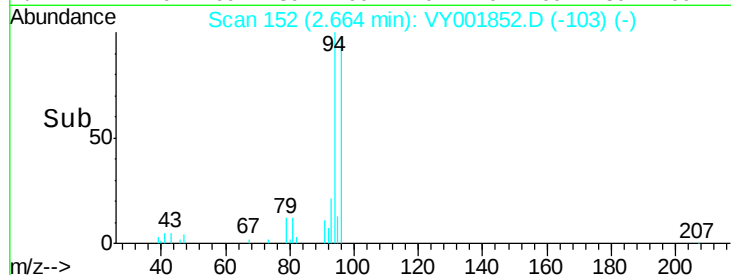
2.66

2.66

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2.66



#6

Chloroethane

Concen: 2.596 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001852.D

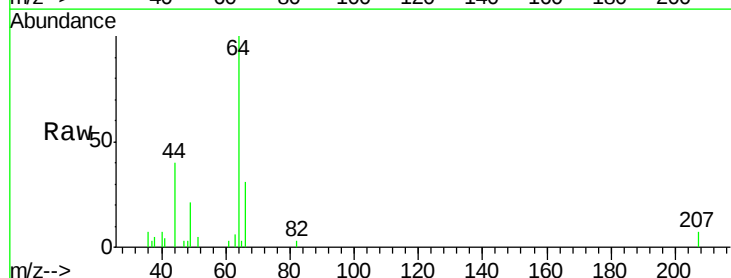
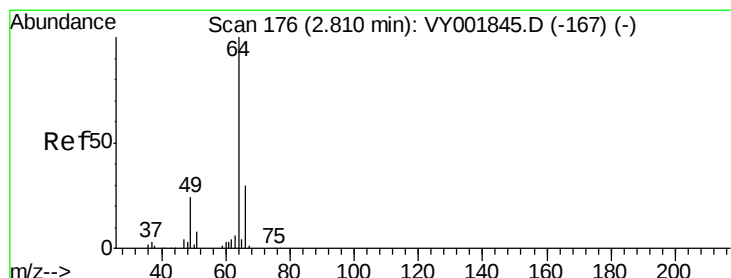
Acq: 04 Mar 2020 14:45

Tgt Ion: 64 Resp: 3749

Ion Ratio Lower Upper

64 100

66 31.4 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY001845.D (-167) (-)

Ion 65.90 (65.60 to 66.60): VY001845.D (-167) (-)

2.80

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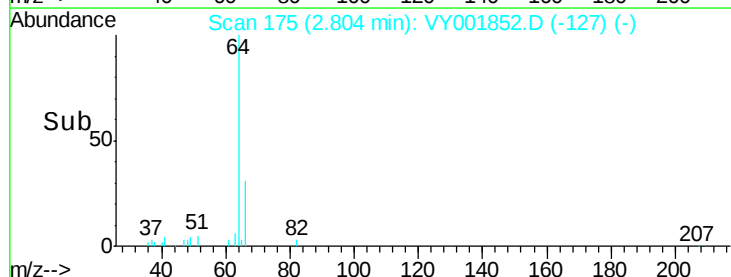
2.80

2.80

2.80

2.80

2.80



#6

Chloroethane

Concen: 2.596 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001852.D

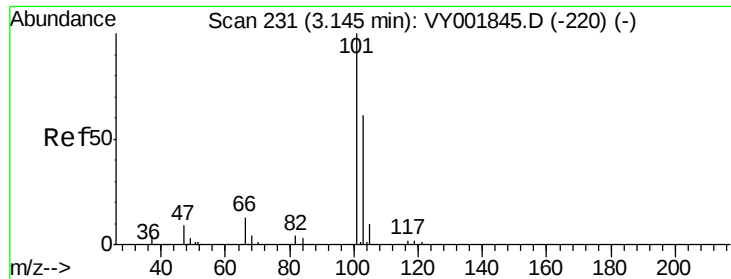
Acq: 04 Mar 2020 14:45

Tgt Ion: 64 Resp: 3749

Ion Ratio Lower Upper

64 100

66 31.4 23.8 35.8



#7

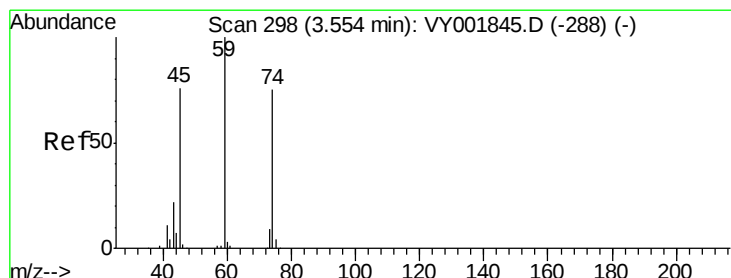
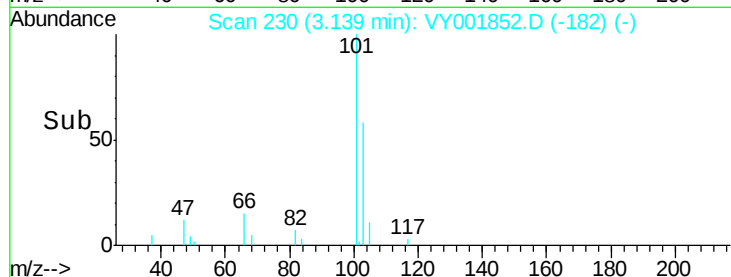
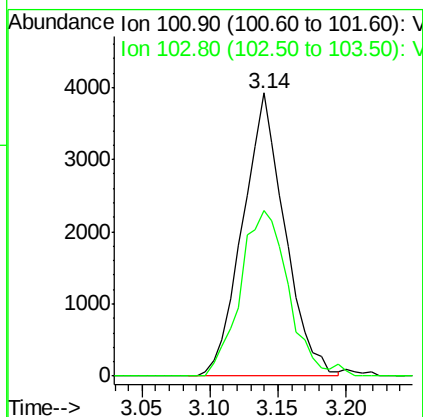
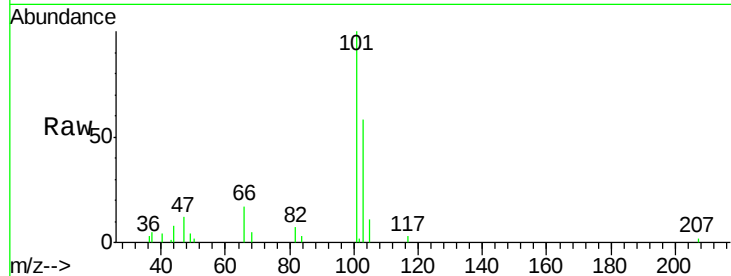
Trichlorofluoromethane
 Concen: 2.725 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001852.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	58.4	49.1	73.7

Manual Integrations
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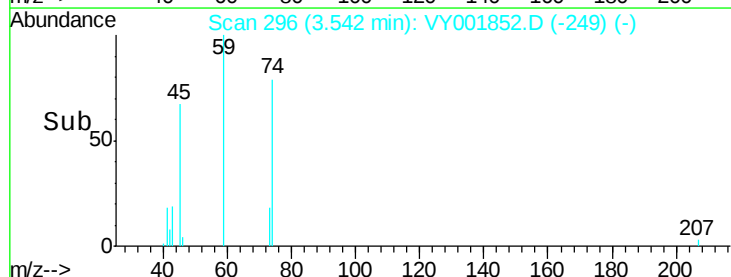
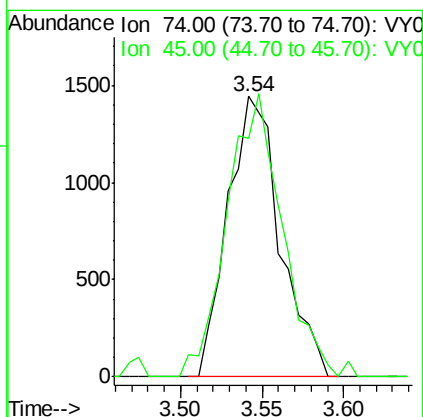
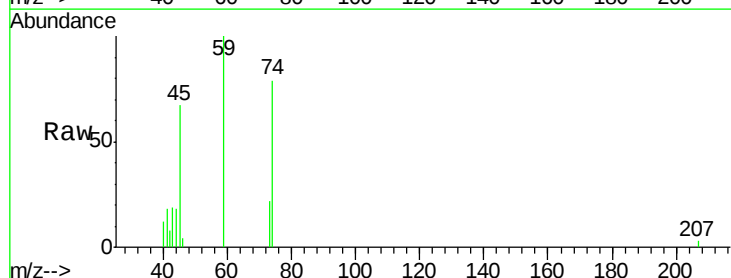
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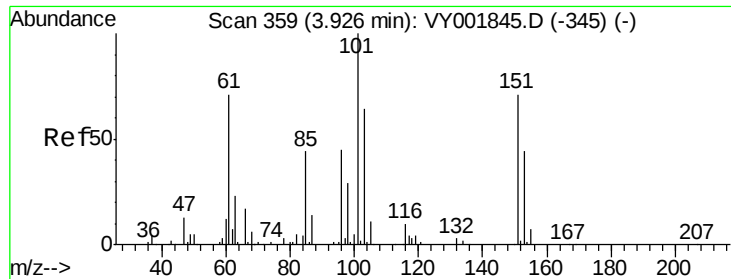


#8

Diethyl Ether
 Concen: 2.628 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.1	50.5	151.5





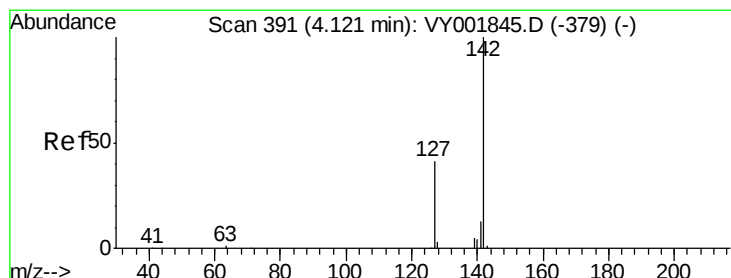
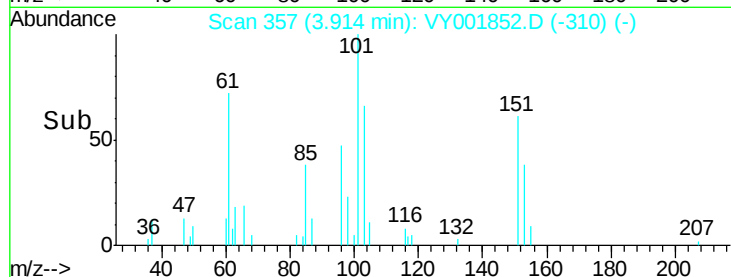
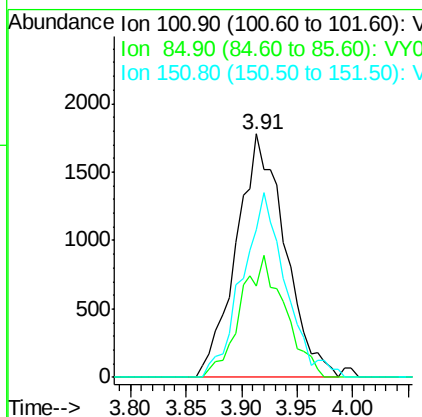
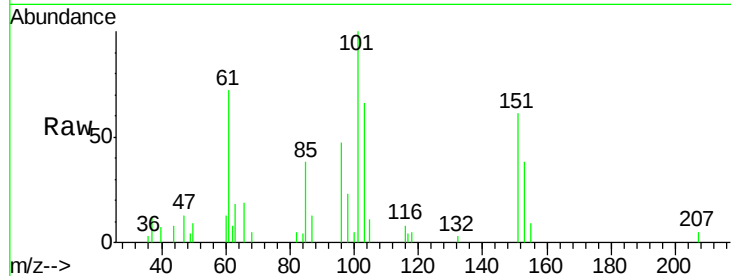
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.692 ug/l
 RT: 3.91 min Scan# 357
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.3	52.9
151	68.0	57.0	85.4

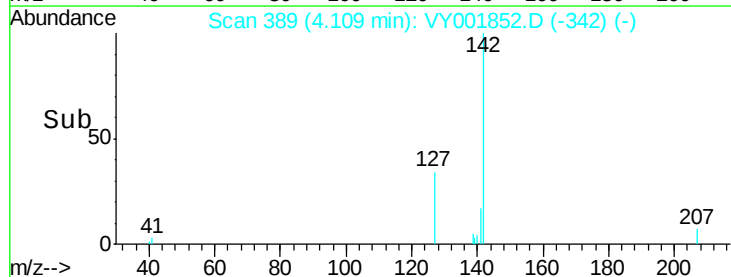
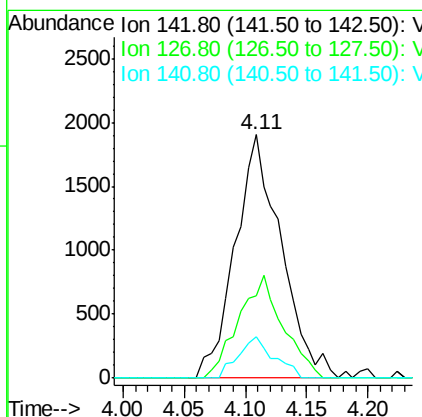
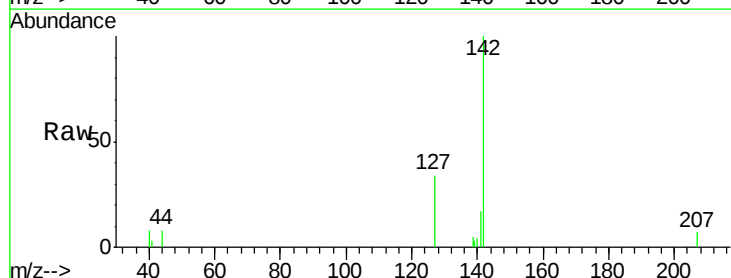
Manual Integrations
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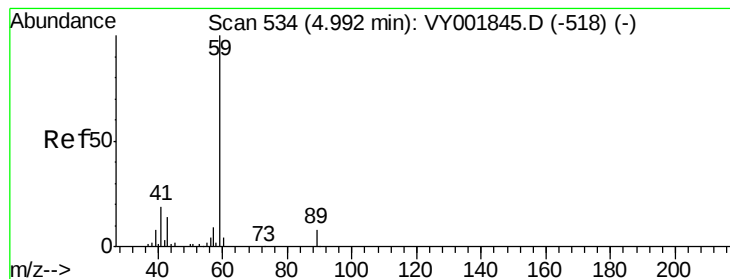
MMDadoda
 3/5/2020 1:37:23 PM



#10
 Methyl Iodide
 Concen: 2.131 ug/l
 RT: 4.11 min Scan# 389
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.9	32.7	49.1
141	13.2	11.0	16.6





#11

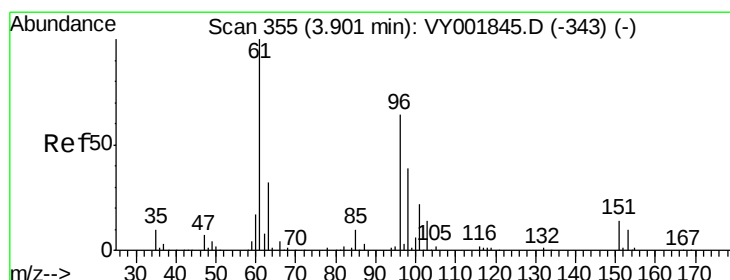
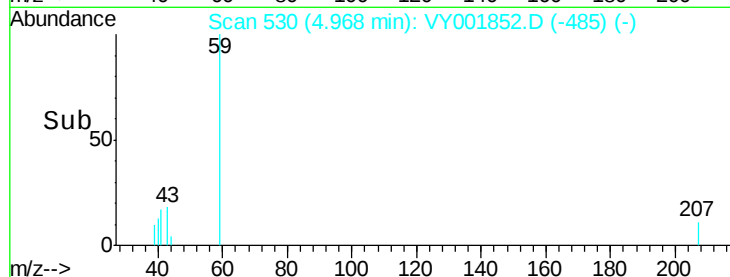
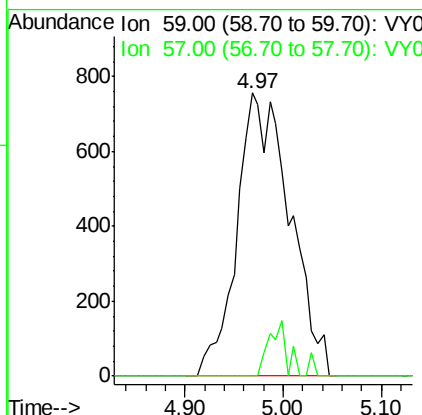
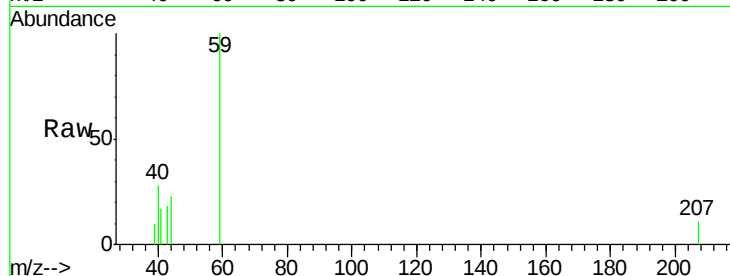
Tert butyl alcohol
Concen: 11.995 ug/l m
RT: 4.97 min Scan# 530
Delta R.T. -0.02 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion: 59 Resp: 2839
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

Manual Integrations
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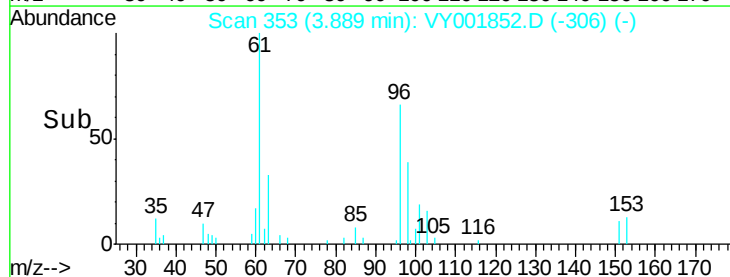
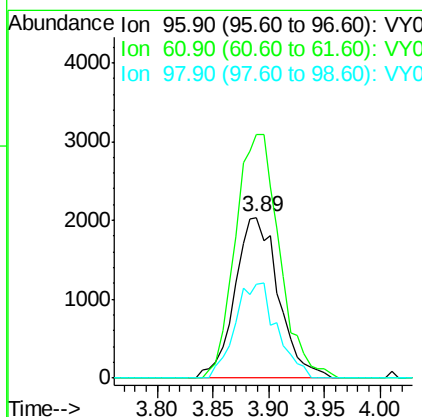
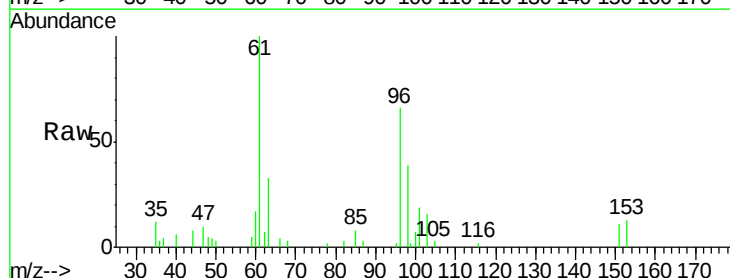
MMDadoda
3/5/2020 1:37:23 PM

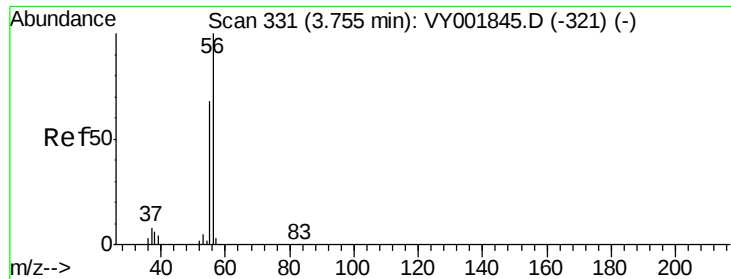


#12

1,1-Dichloroethene
Concen: 2.750 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 96 Resp: 5554
Ion Ratio Lower Upper
96 100
61 151.4 124.8 187.2
98 58.5 49.2 73.8





#13

Acrolein

Concen: 13.429 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 56 Resp: 3659

Ion Ratio Lower Upper

56 100

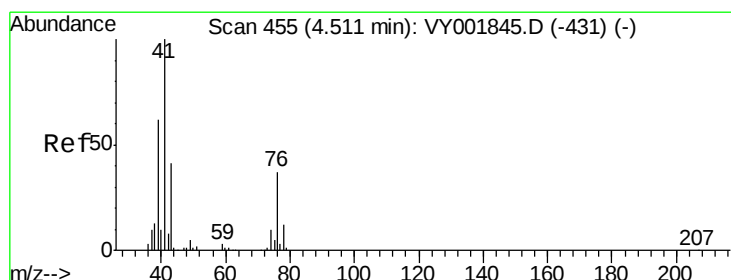
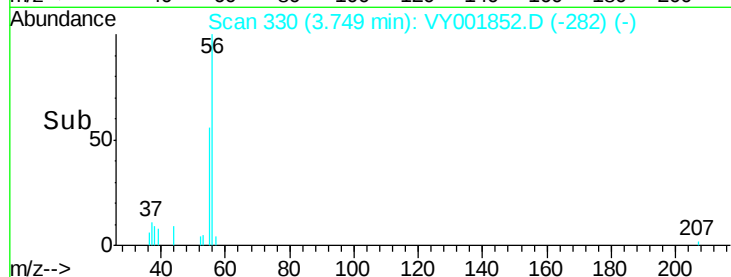
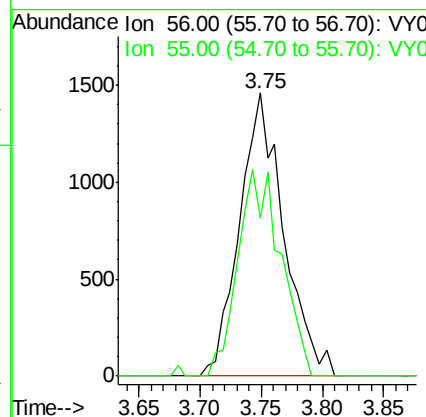
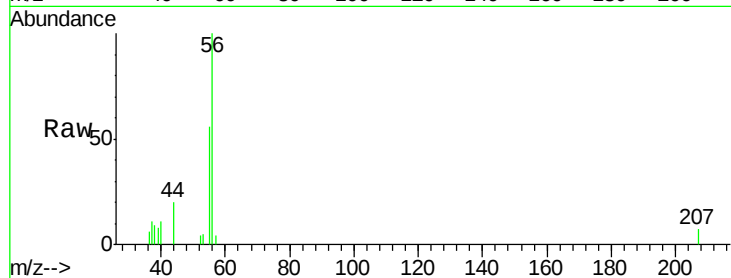
55 70.8 54.0 81.0

Manual Integrations

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#14

Allyl chloride

Concen: 2.586 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

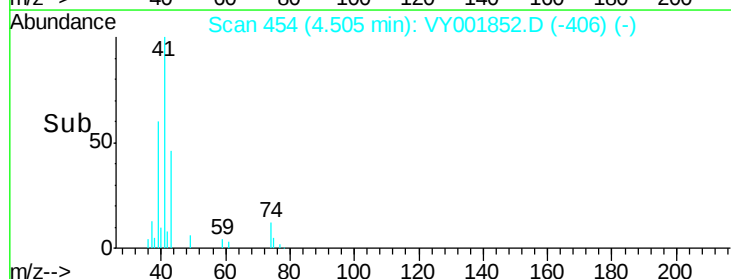
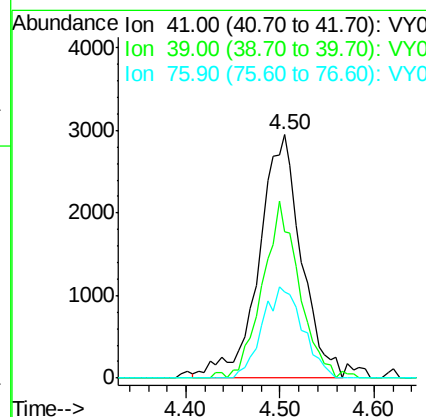
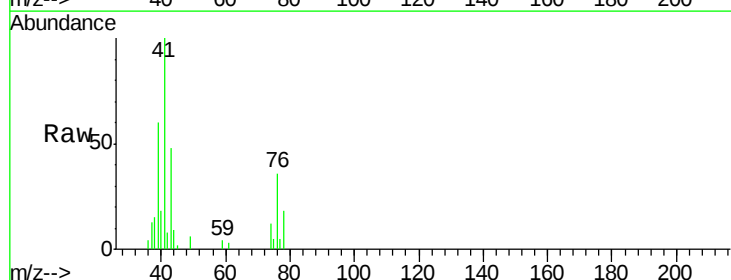
Tgt Ion: 41 Resp: 9257

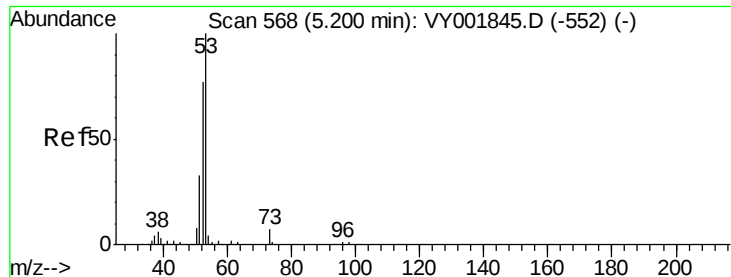
Ion Ratio Lower Upper

41 100

39 62.9 49.0 73.6

76 36.0 28.9 43.3





#15

Acrylonitrile

Concen: 14.287 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

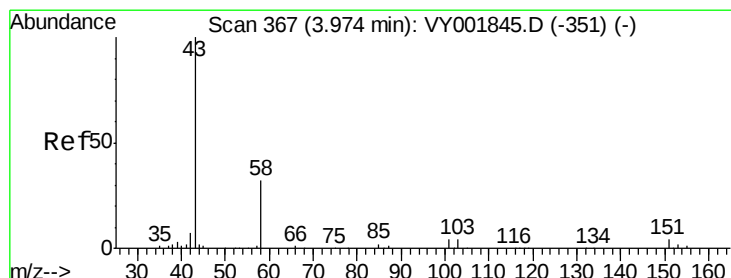
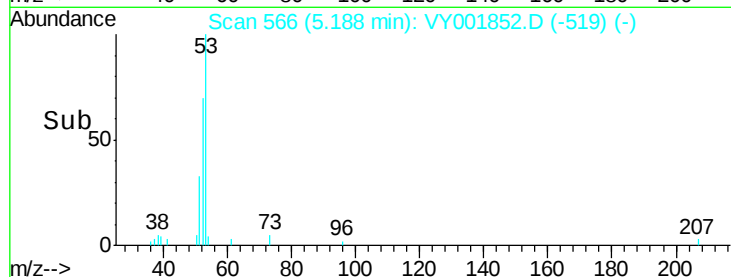
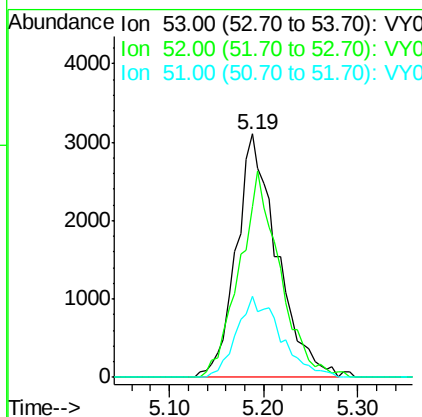
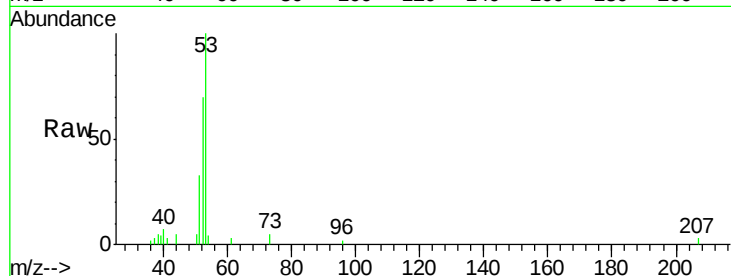
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	53	Resp:	9382
Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.1	97.7
51	35.8	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 14.828 ug/l

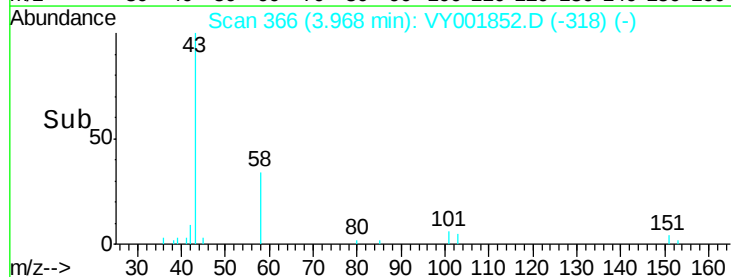
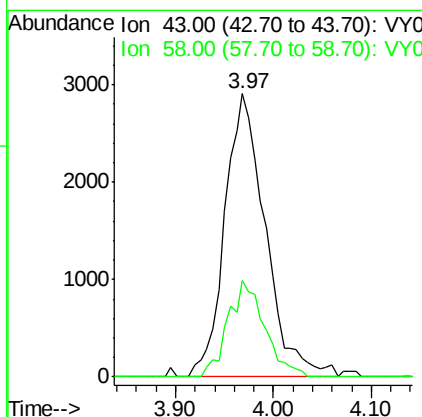
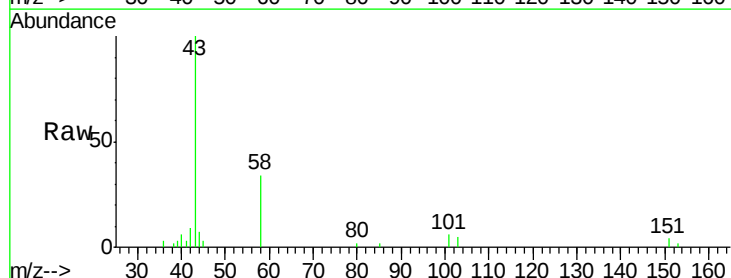
RT: 3.97 min Scan# 366

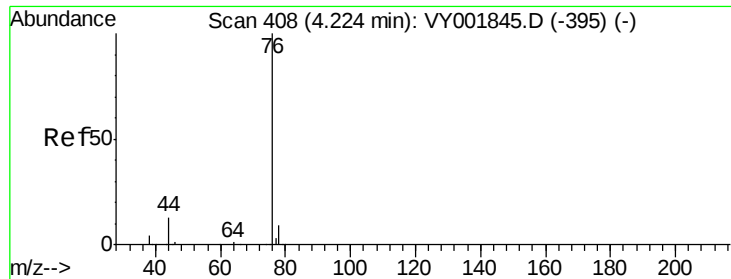
Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Tgt Ion:	43	Resp:	8374
Ion	Ratio	Lower	Upper
43	100		
58	34.1	25.9	38.9





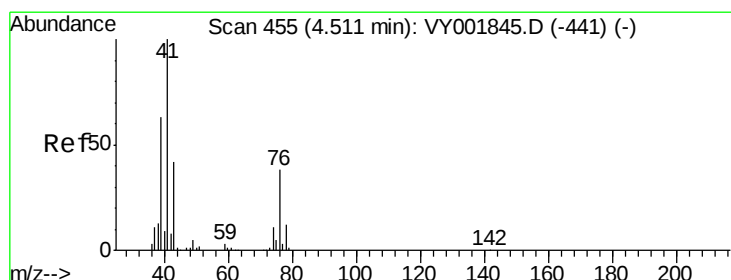
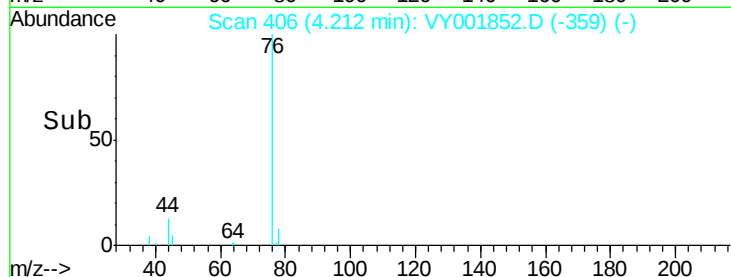
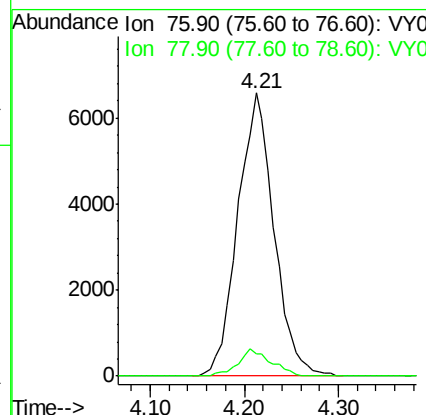
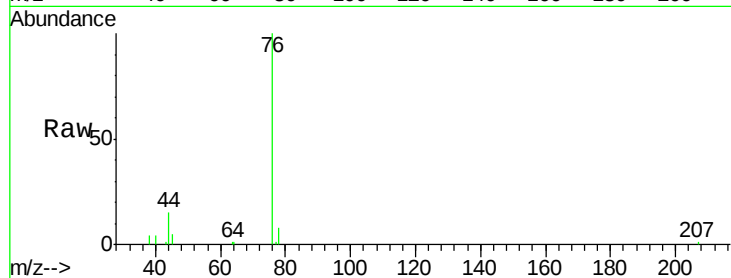
#17
Carbon Disulfide
Concen: 2.577 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.4	11.2

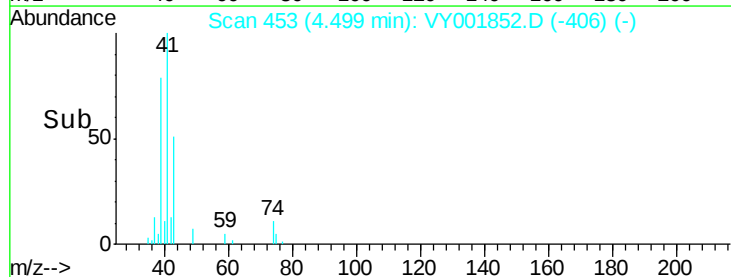
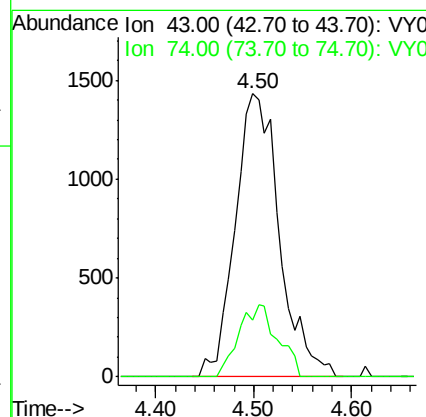
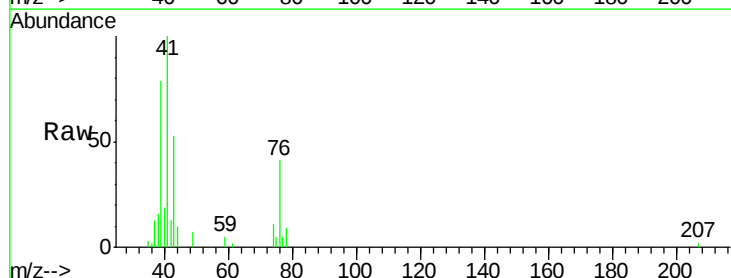
Manual Integrations
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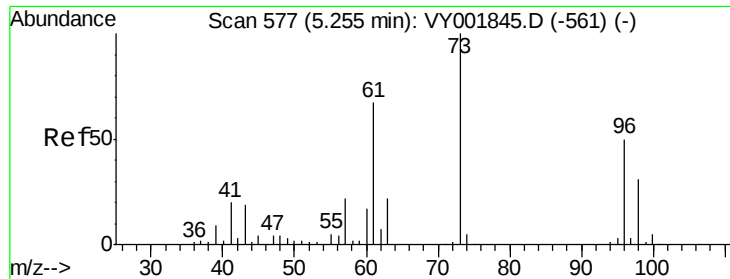
MMDadoda
3/5/2020 1:37:23 PM



#18
Methyl Acetate
Concen: 3.101 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	19.0	28.6





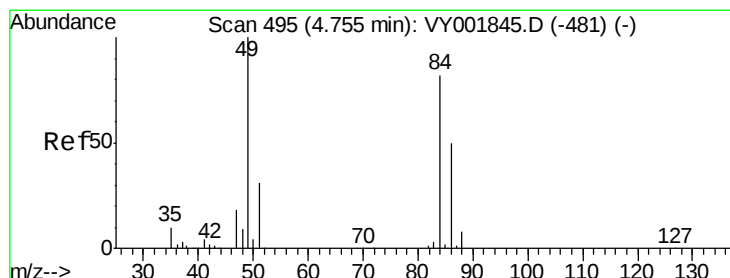
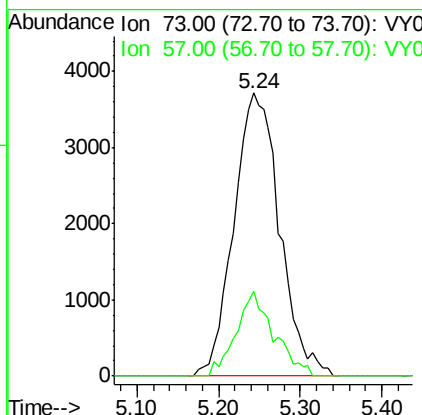
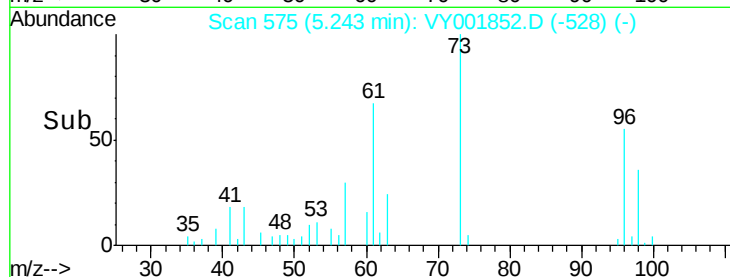
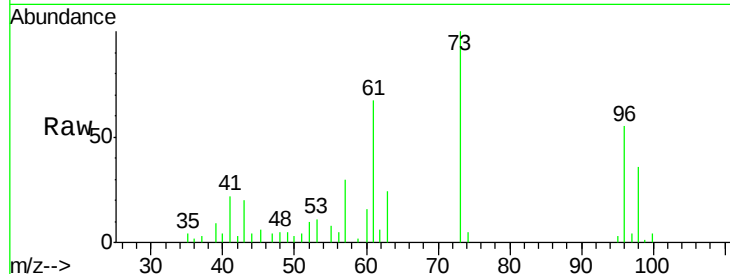
#19
Methyl tert-butyl Ether
Concen: 2.644 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion: 73 Resp: 14470
Ion Ratio Lower Upper
73 100
57 29.8 17.4 26.2#

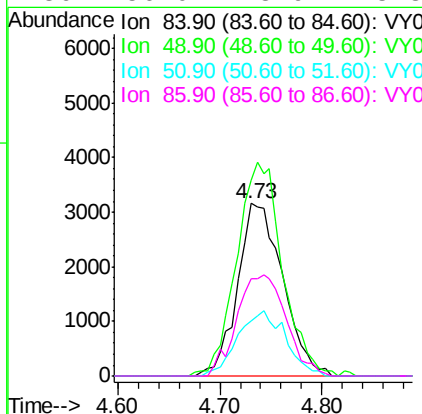
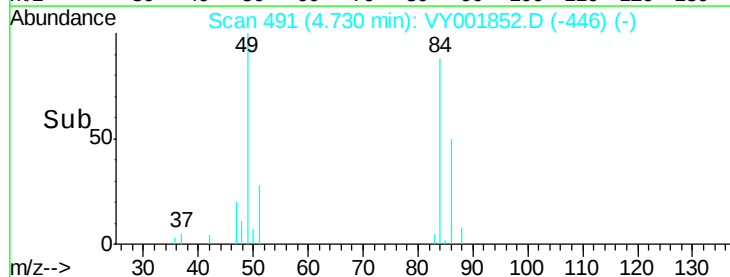
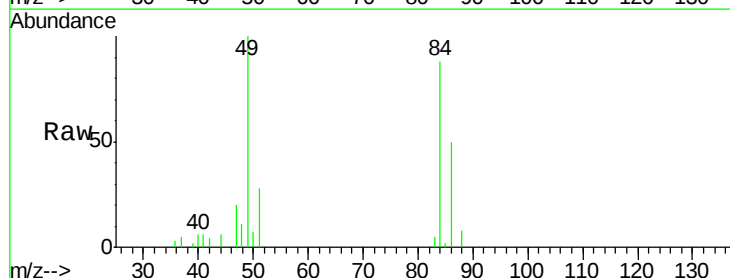
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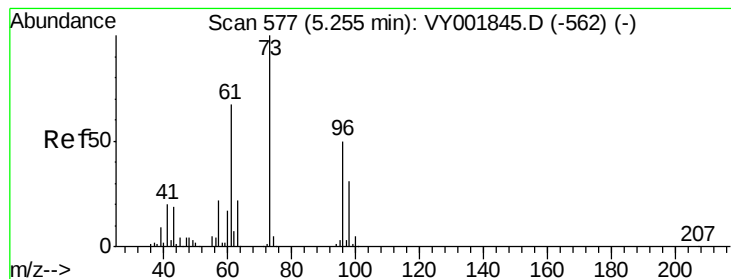
MMDadoda
3/5/2020 1:37:23 PM



#20
Methylene Chloride
Concen: 4.028 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 84 Resp: 9748
Ion Ratio Lower Upper
84 100
49 113.1 98.2 147.2
51 32.1 30.2 45.2
86 56.0 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 2.579 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

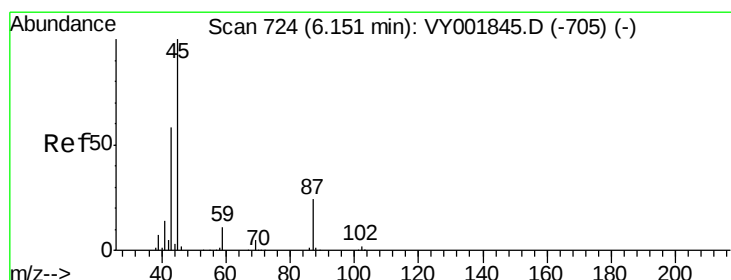
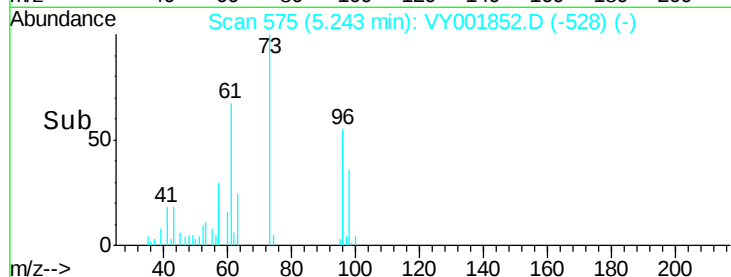
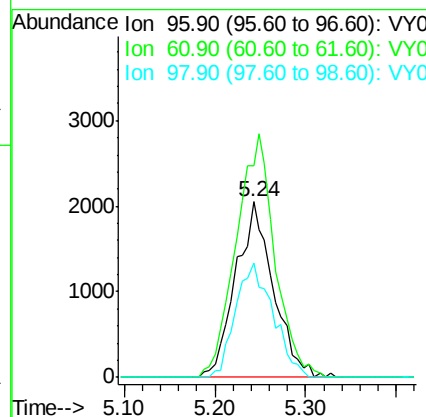
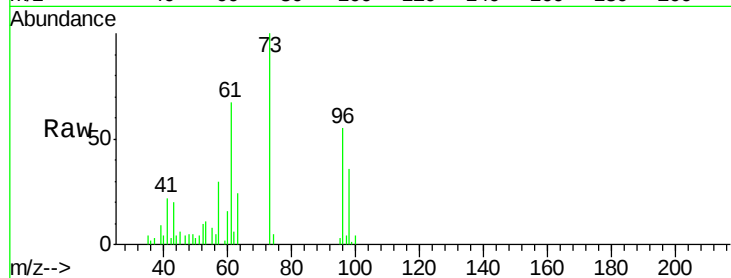
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	96	Resp:	5912
Ion	Ratio	Lower	Upper
96	100		
61	120.8	107.7	161.5
98	65.4	49.3	73.9

Manual Integrations
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3/5/2020 1:37:23 PM



#22

Diisopropyl ether

Concen: 2.606 ug/l

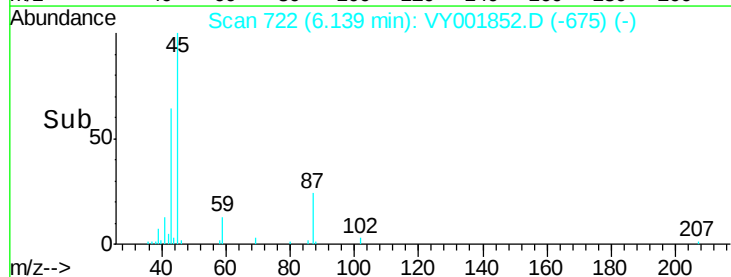
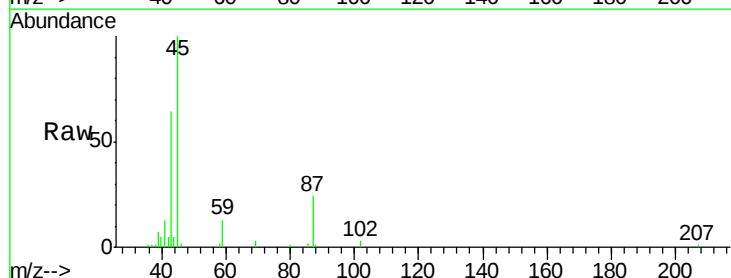
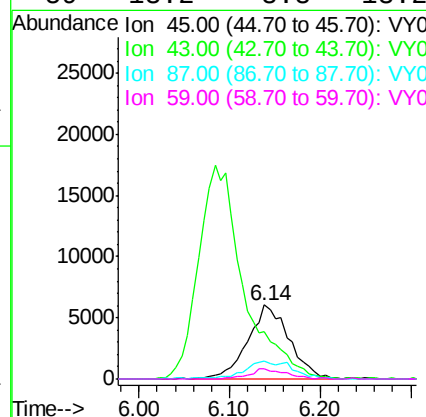
RT: 6.14 min Scan# 722

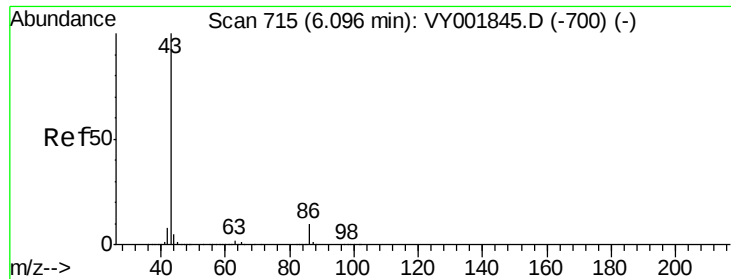
Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Tgt Ion:	45	Resp:	19121
Ion	Ratio	Lower	Upper
45	100		
43	64.2	47.2	70.8
87	23.6	19.8	29.8
59	13.2	8.8	13.2





#23

Vinyl Acetate

Concen: 12.634 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 60778

Ion Ratio Lower Upper

43 100

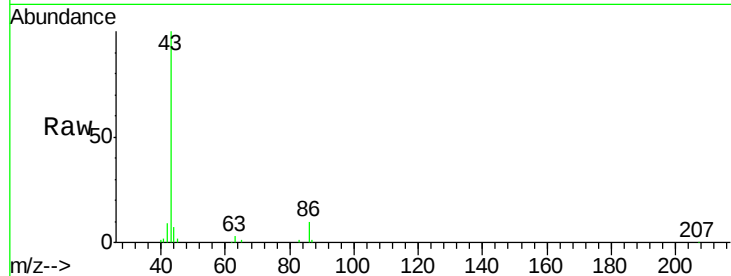
86 10.5 7.8 11.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

20000

15000

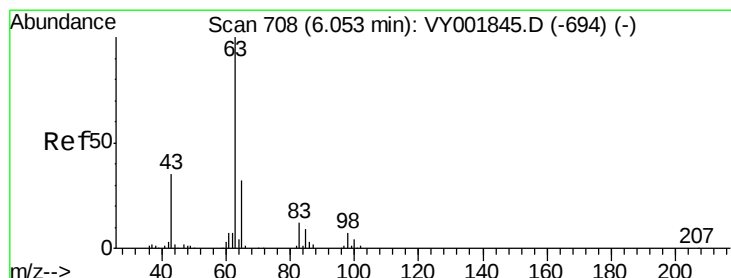
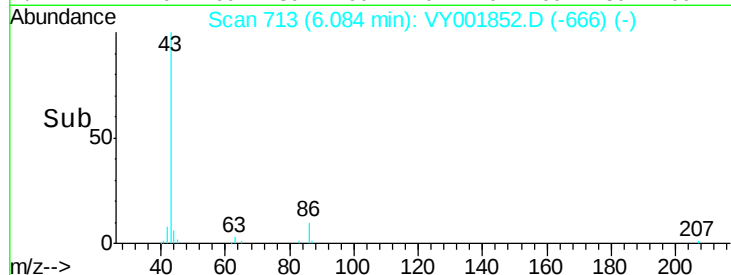
10000

5000

0

6.00 6.10 6.20 6.30

Time-->



#24

1,1-Dichloroethane

Concen: 2.551 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

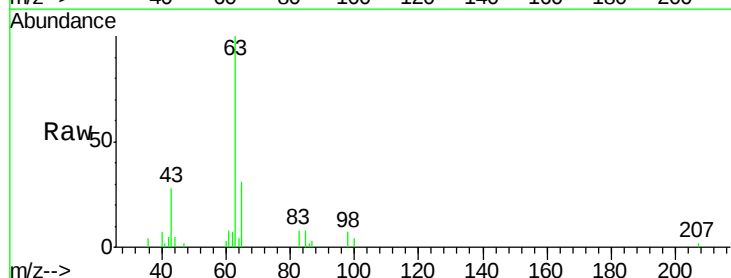
Tgt Ion: 63 Resp: 10136

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 3.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

4000

3000

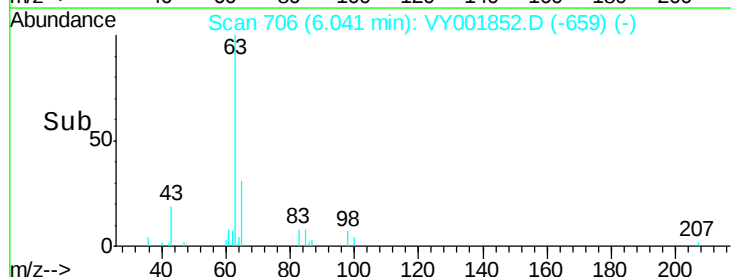
2000

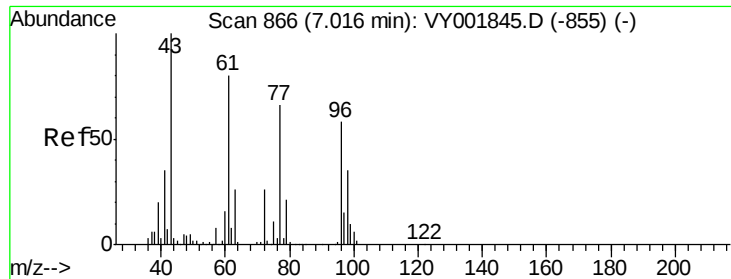
1000

0

6.00 6.10

Time-->





#25

2-Butanone

Concen: 13.009 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 11172

Ion Ratio Lower Upper

43 100

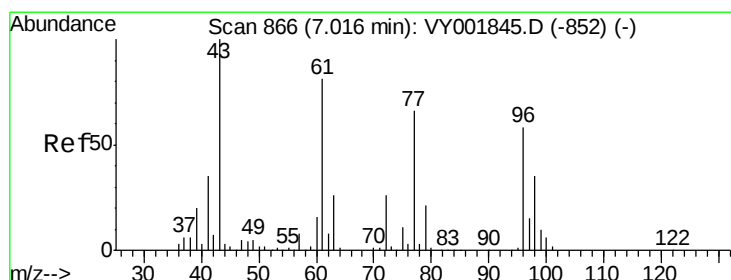
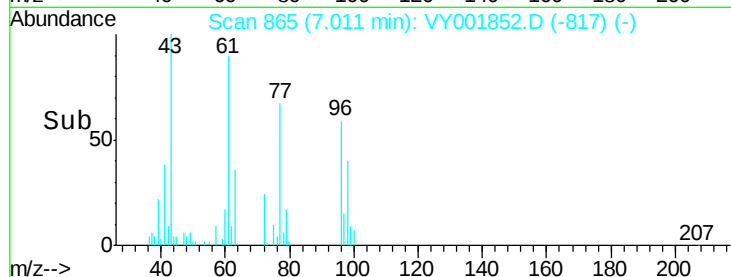
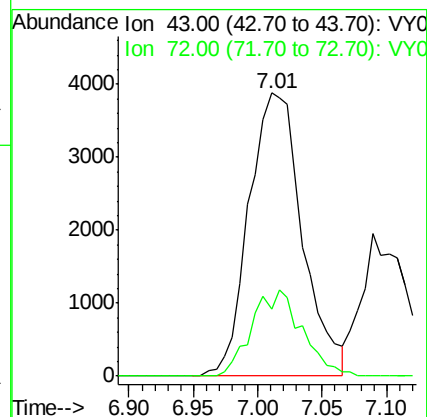
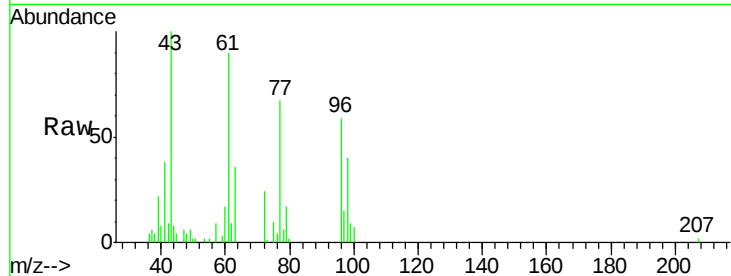
72 23.8 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 2.573 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001852.D

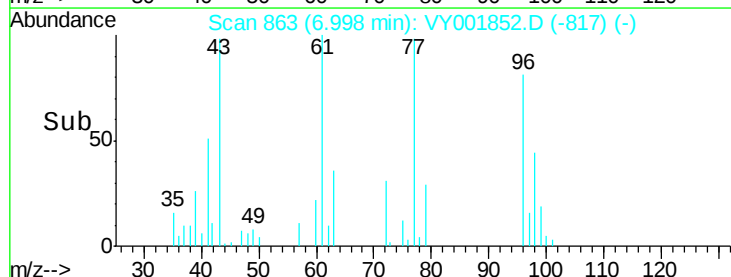
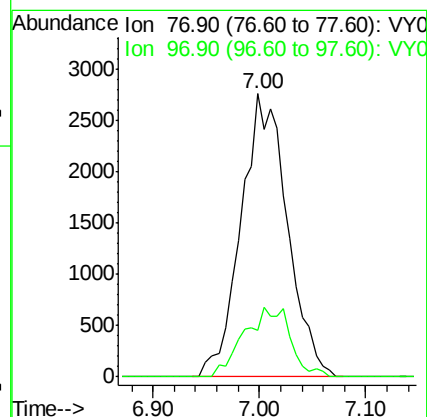
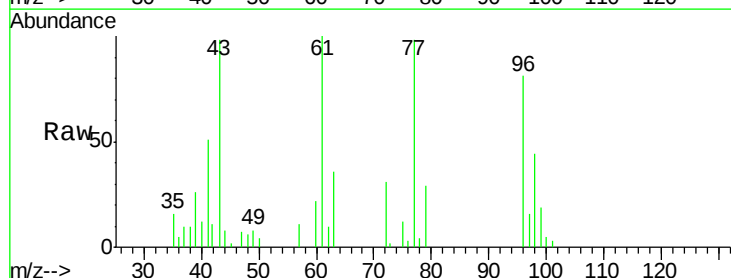
Acq: 04 Mar 2020 14:45

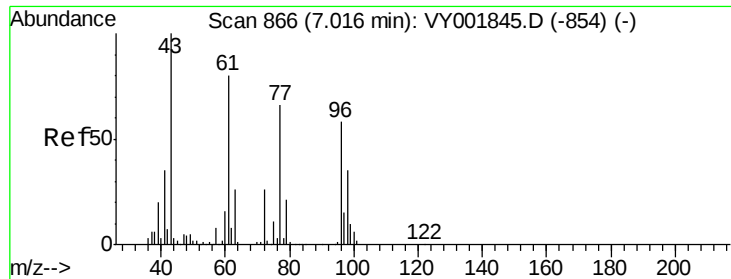
Tgt Ion: 77 Resp: 8391

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.7





#27

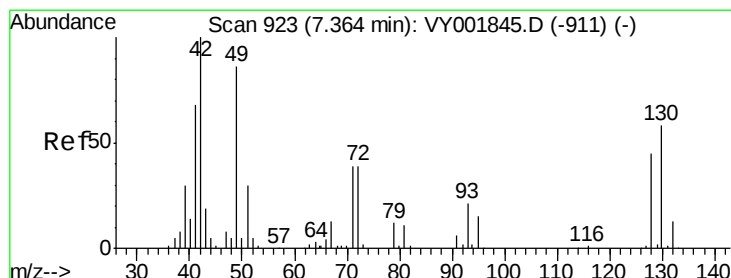
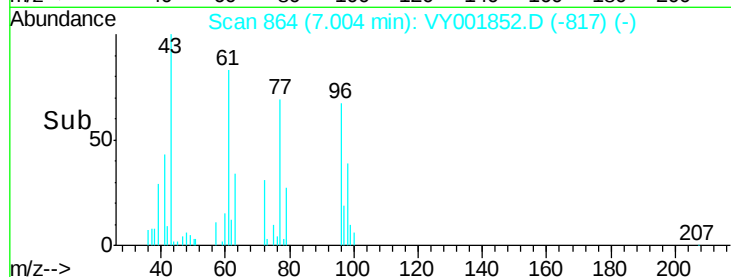
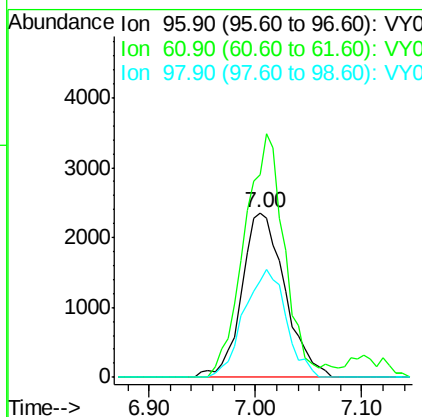
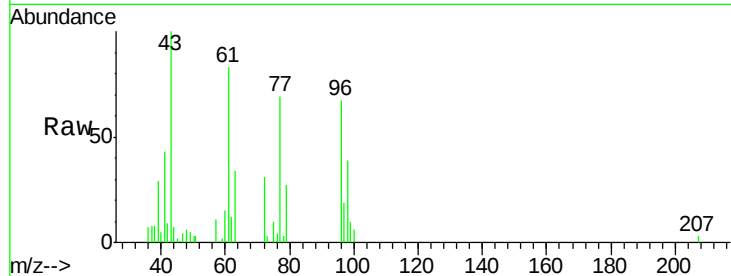
cis-1,2-Dichloroethene
Concen: 2.681 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	288.2
98	63.9	0.0	129.0

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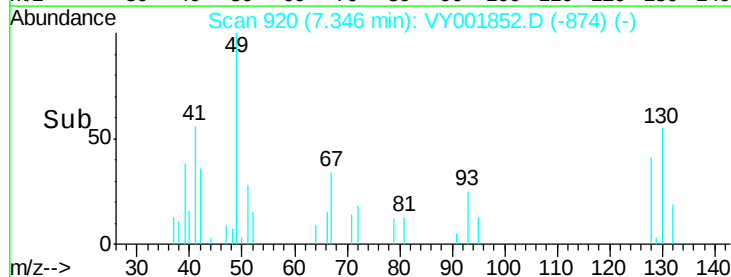
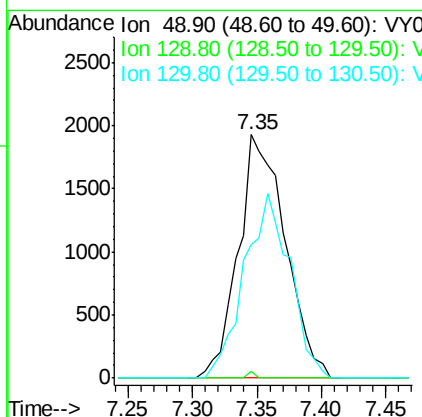
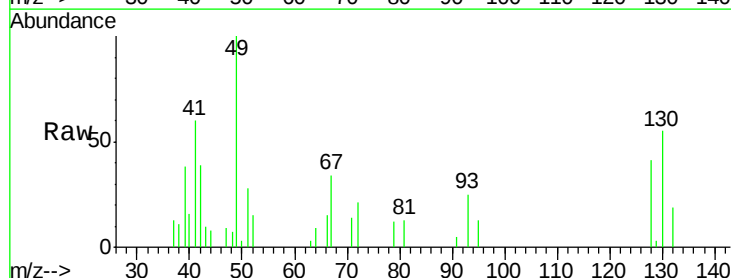
MMDadoda
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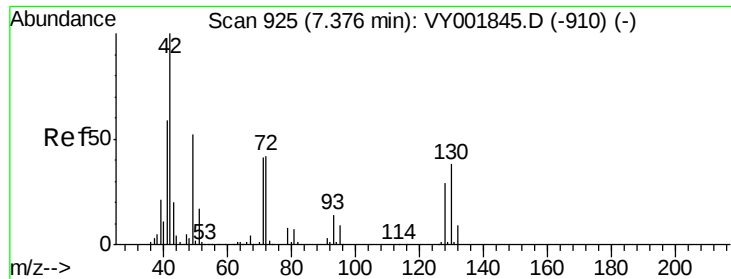


#28

Bromochloromethane
Concen: 2.718 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.02 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.8
130	73.8	54.4	81.6





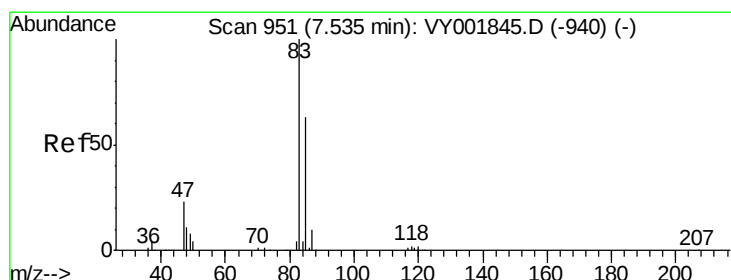
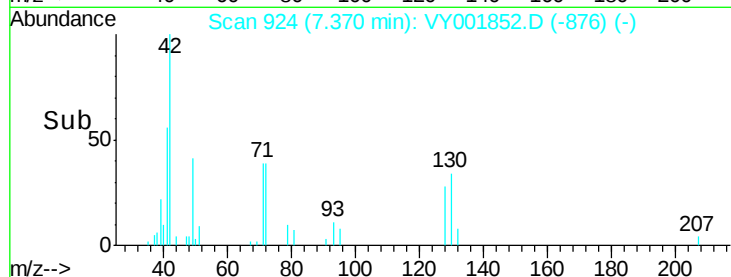
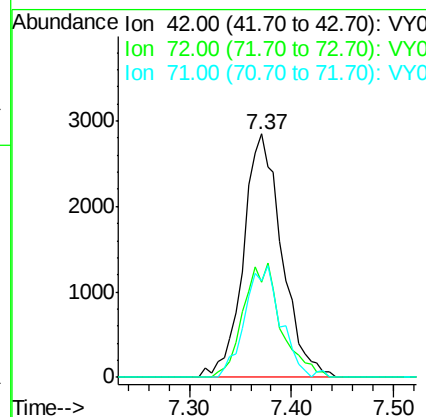
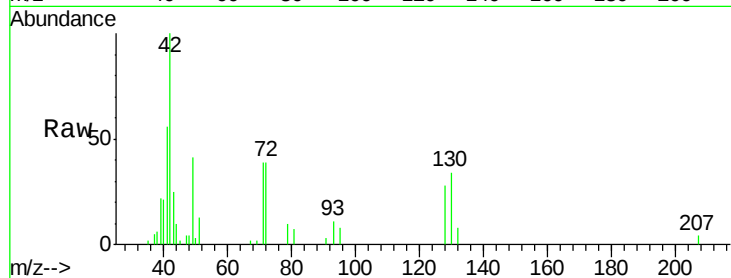
#29
Tetrahydrofuran
Concen: 13.088 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	33.5	50.3
71	42.1	31.3	46.9

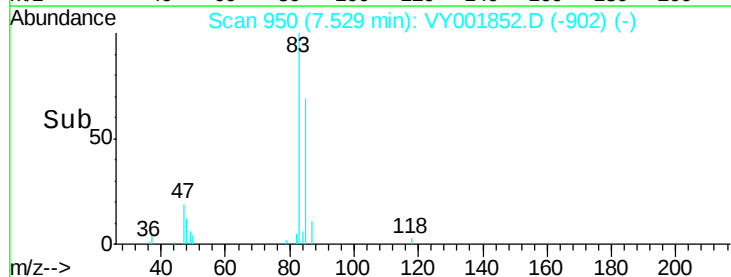
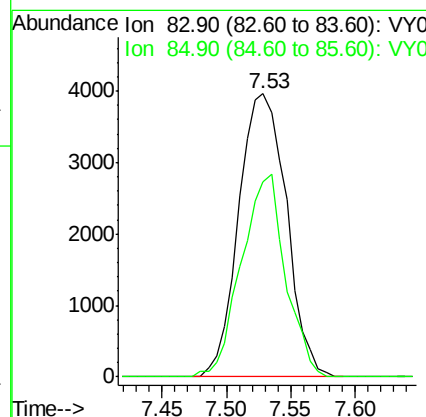
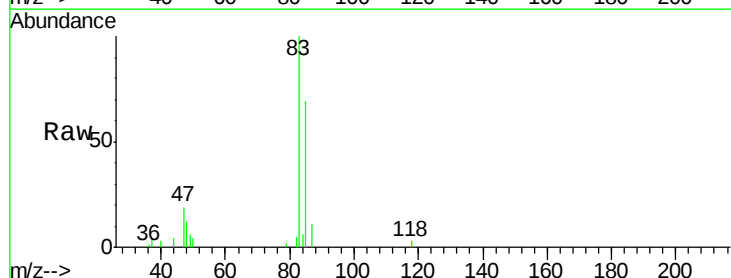
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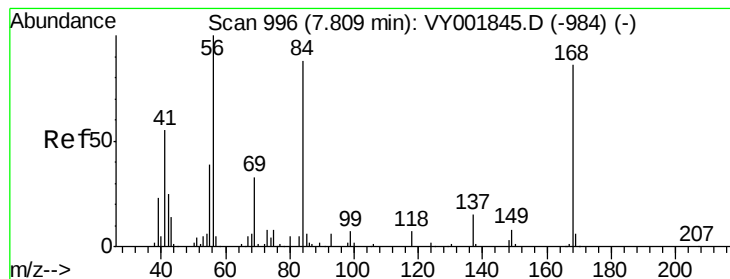
MMDadoda
3/5/2020 1:37:23 PM



#30
Chloroform
Concen: 2.727 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.9	50.7	76.1





#31

Cyclohexane

Concen: 3.438 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

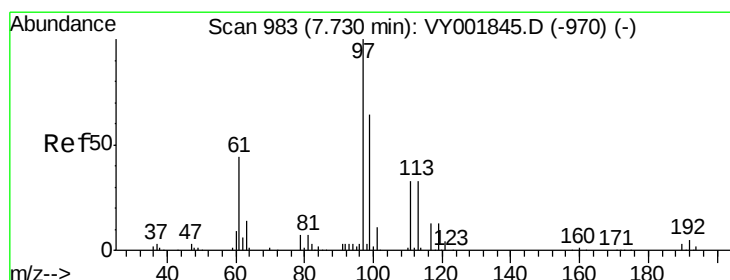
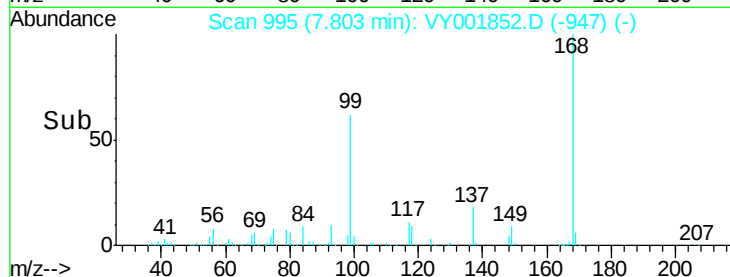
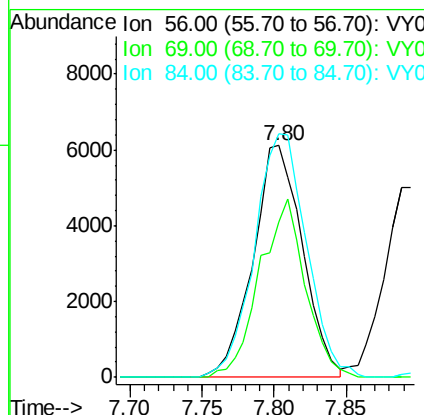
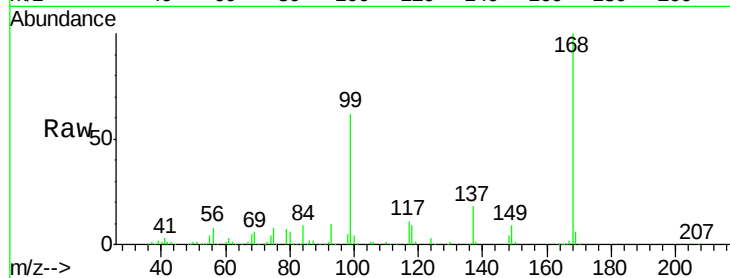
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 56 Resp: 14647

Ion	Ratio	Lower	Upper
56	100		
69	67.0	26.7	40.1#
84	105.2	70.4	105.6

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#32

1,1,1-Trichloroethane

Concen: 2.660 ug/l

RT: 7.72 min Scan# 981

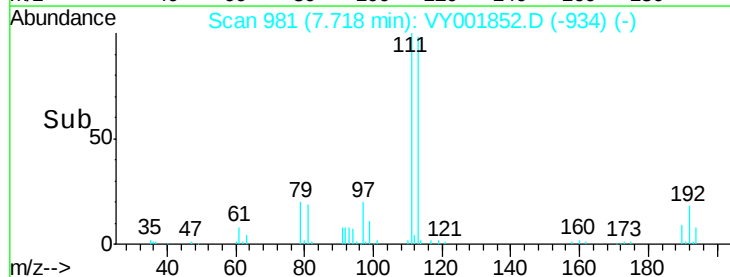
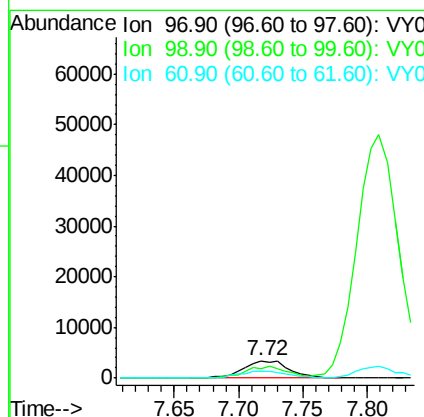
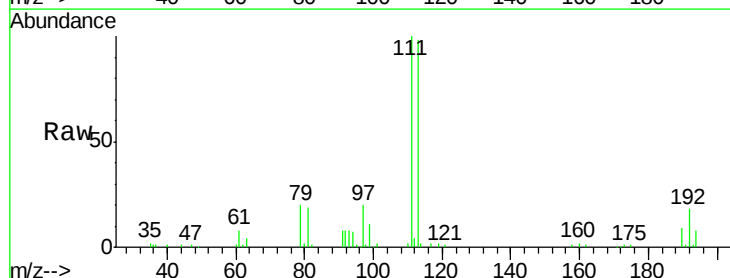
Delta R.T. -0.01 min

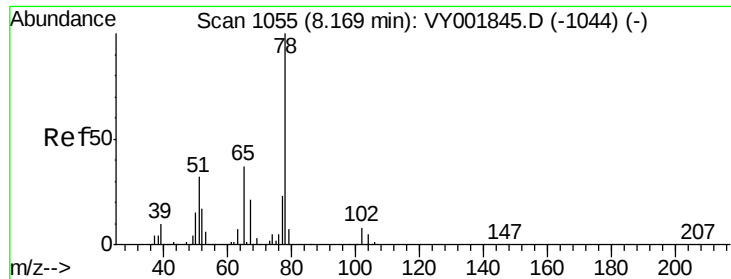
Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Tgt Ion: 97 Resp: 8370

Ion	Ratio	Lower	Upper
97	100		
99	62.7	52.0	78.0
61	43.7	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 51.518 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 65 Resp: 99890

Ion Ratio Lower Upper

65 100

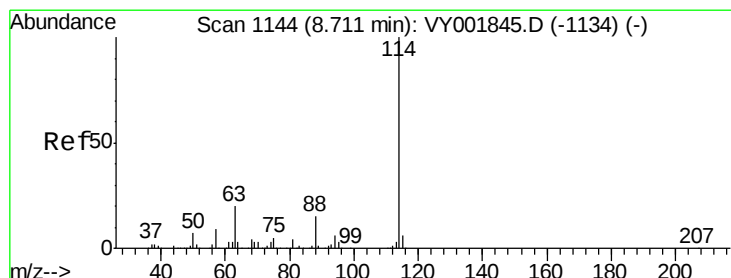
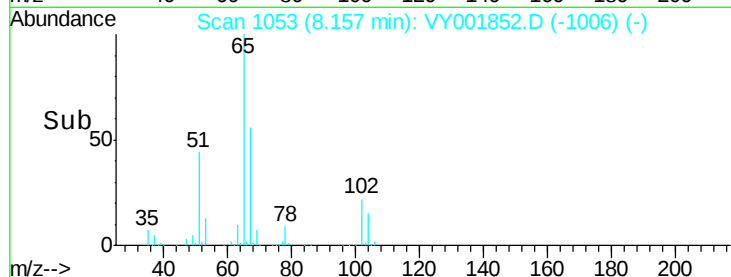
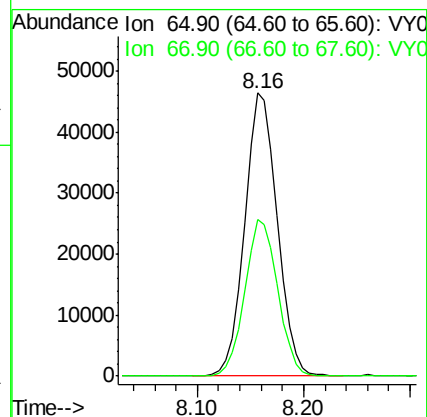
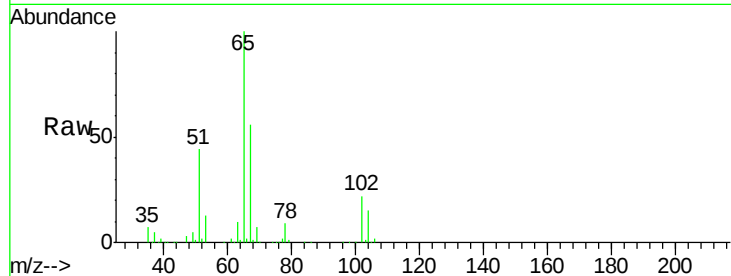
67 55.9 0.0 110.8

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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: VY001852.D

Acq: 04 Mar 2020 14:45

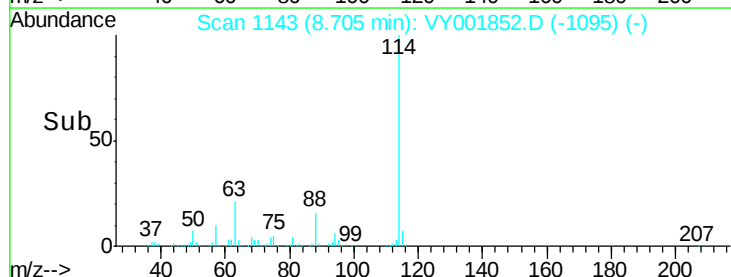
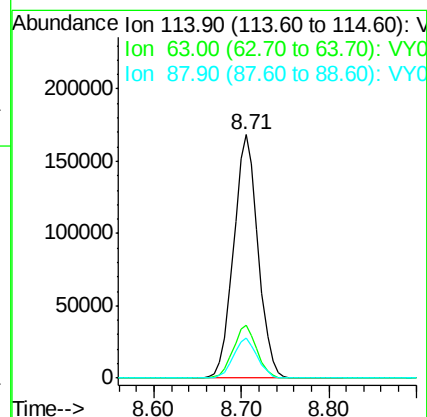
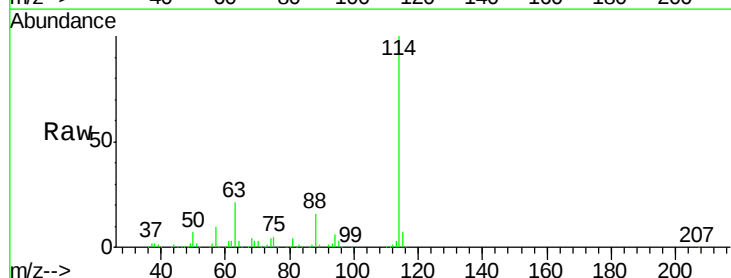
Tgt Ion: 114 Resp: 324975

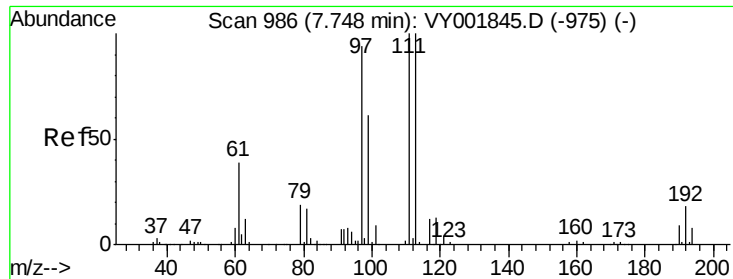
Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.4

88 16.3 0.0 30.4





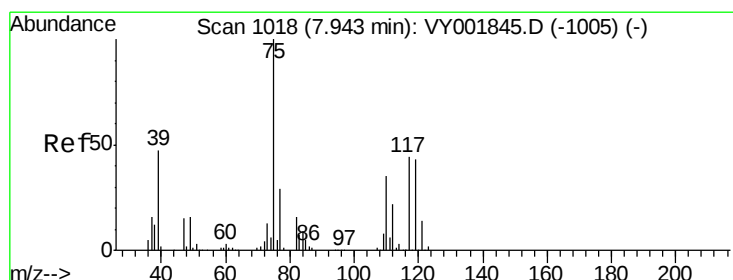
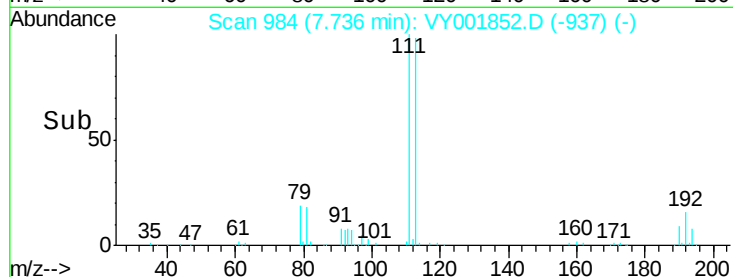
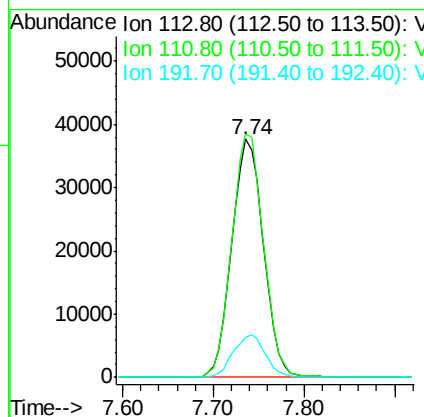
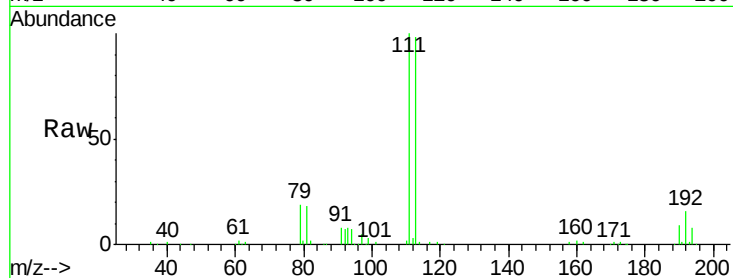
#35
Dibromofluoromethane
Concen: 51.533 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	18.0	14.2	21.2

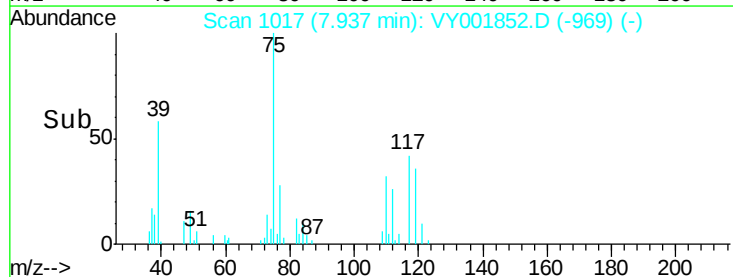
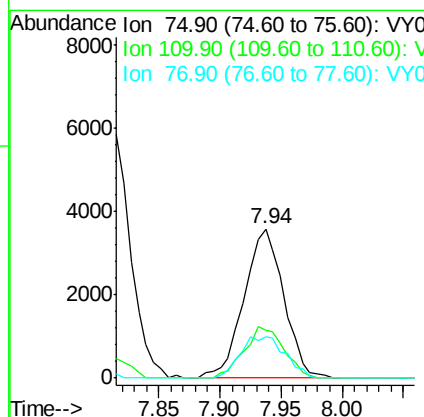
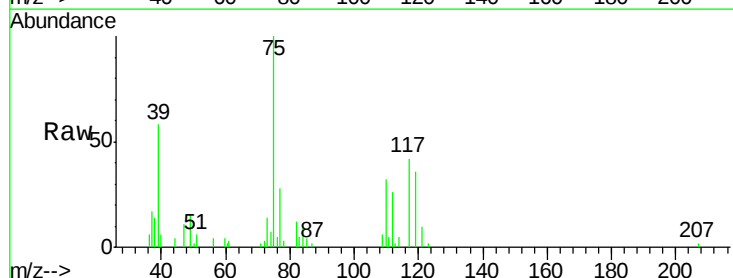
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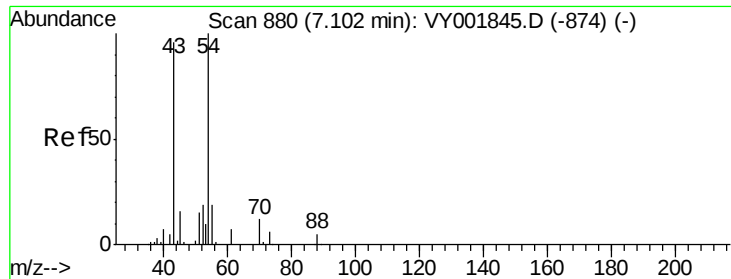
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#36
1,1-Dichloropropene
Concen: 2.588 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.4	52.2
77	31.4	24.2	36.2





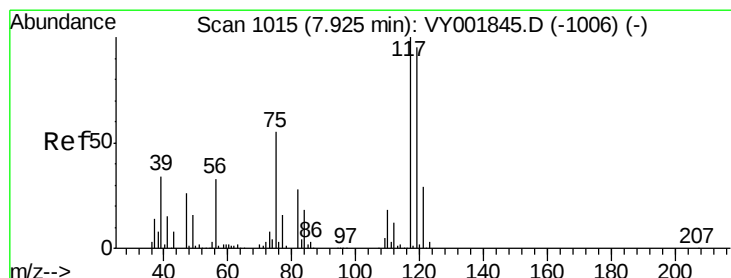
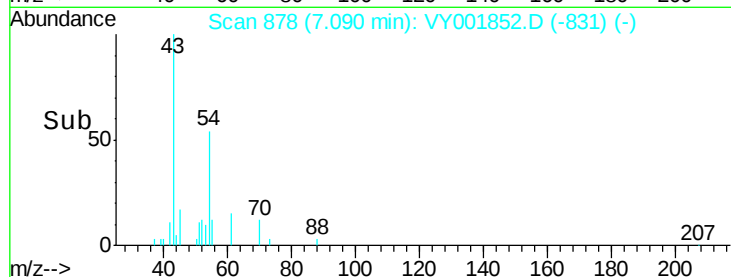
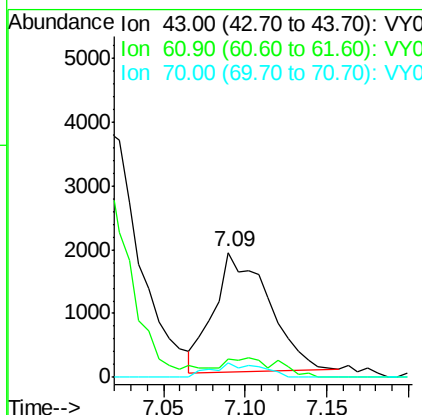
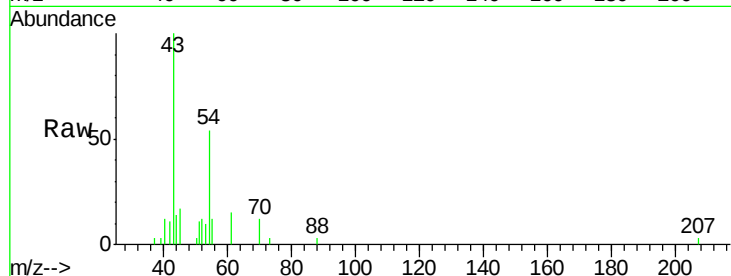
#37
Ethyl Acetate
Concen: 2.395 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	11.1	16.7#
70	10.8	8.2	12.4

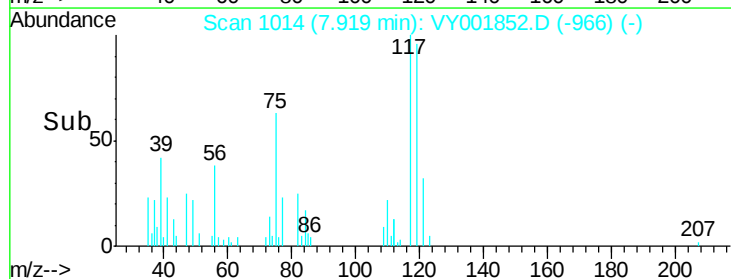
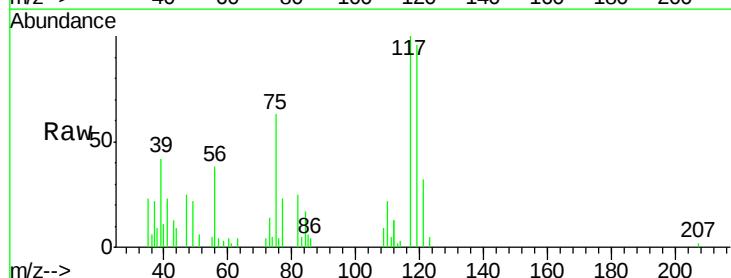
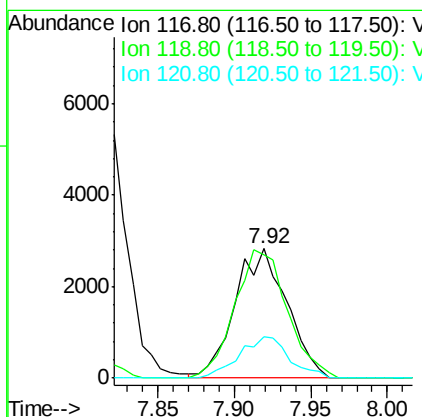
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#38
Carbon Tetrachloride
Concen: 2.502 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.3	114.5
121	31.7	23.5	35.3





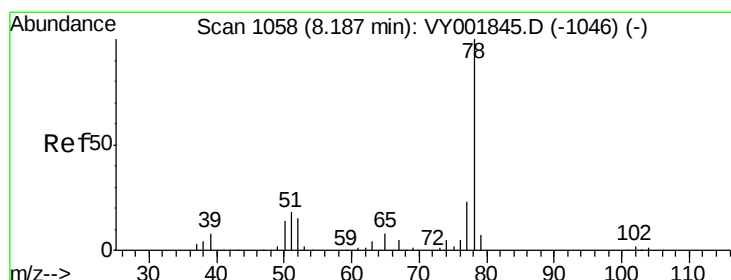
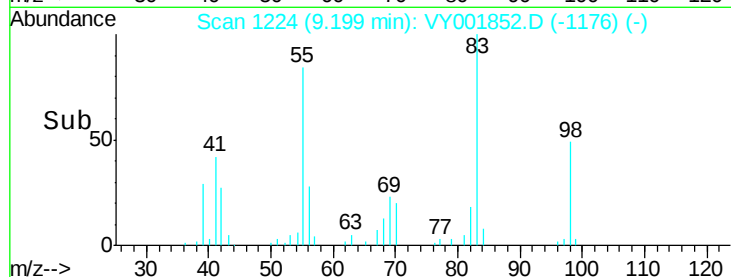
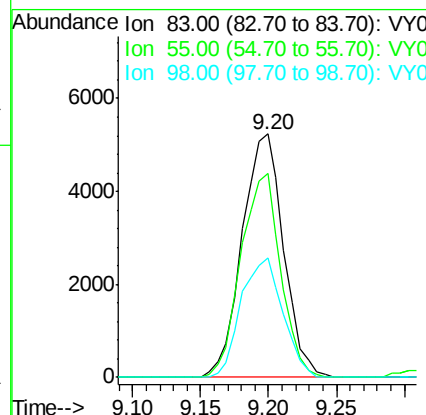
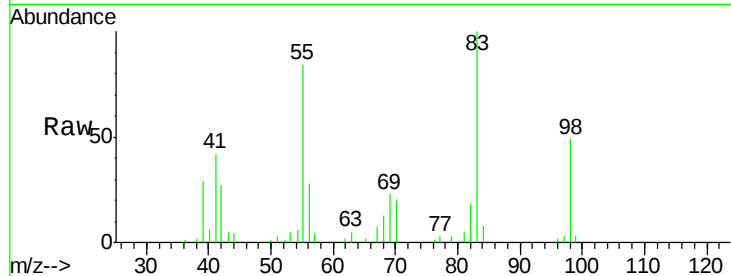
#39
Methvlcvclohexane
Concen: 2.689 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	59.4	89.0
98	49.0	38.9	58.3

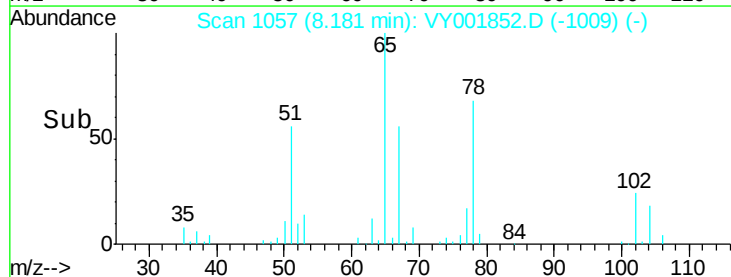
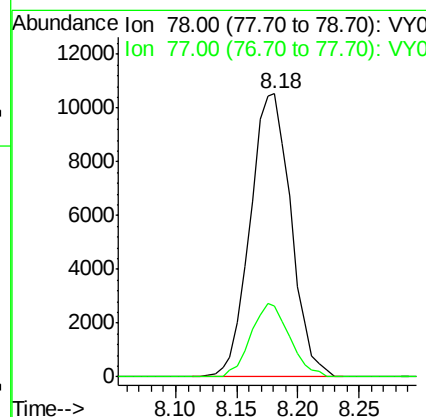
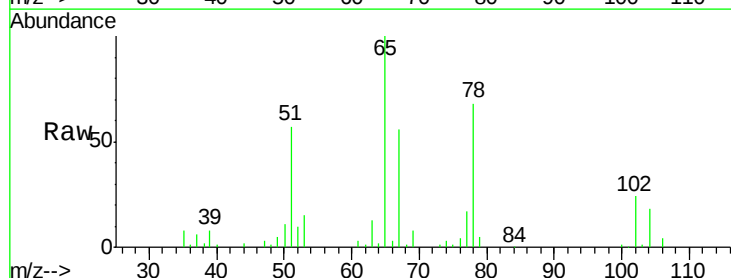
Manual Integrations
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#40
Benzene
Concen: 2.634 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.7	28.1





#41

Methacrylonitrile

Concen: 3.490 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY001852.D

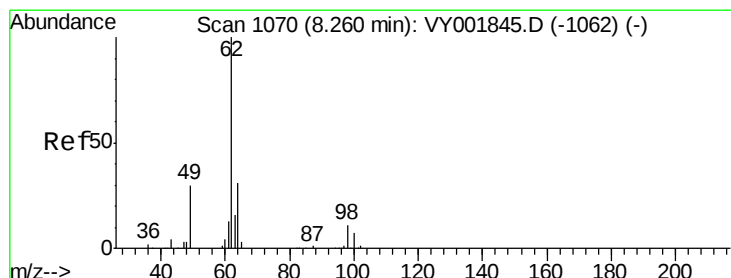
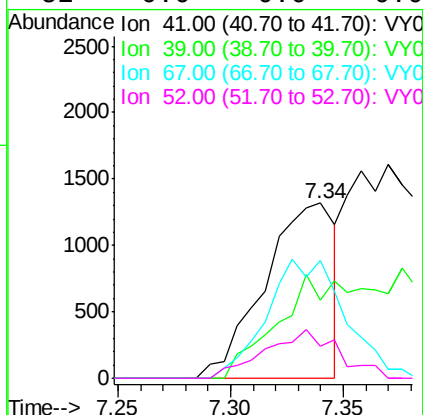
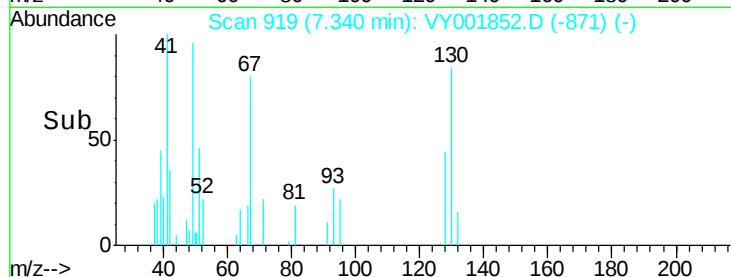
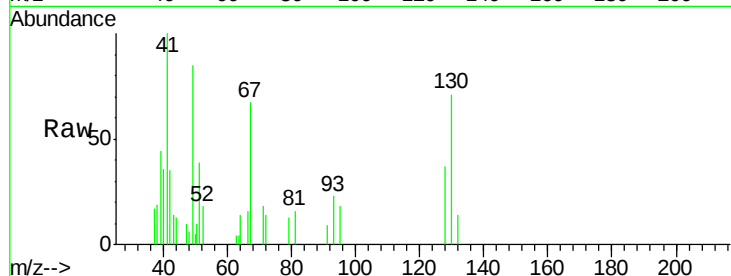
Acq: 04 Mar 2020 14:45

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 2.855 ug/l

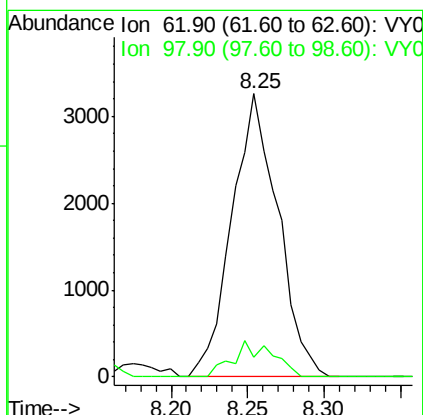
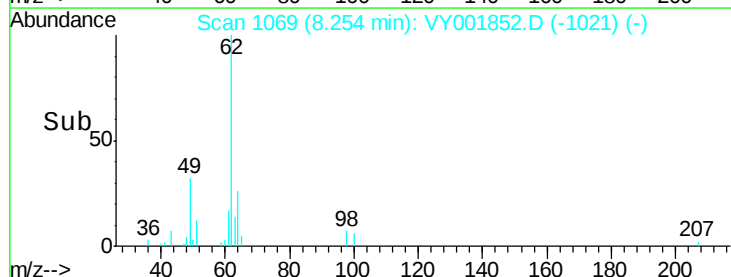
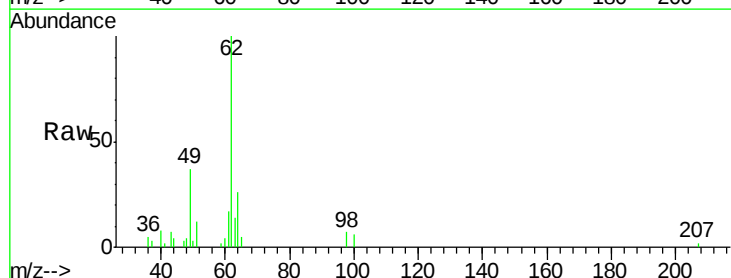
RT: 8.25 min Scan# 1069

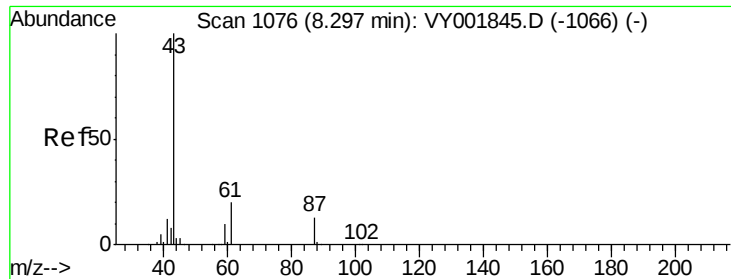
Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.4





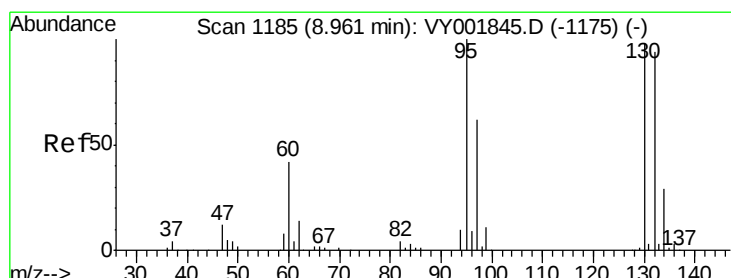
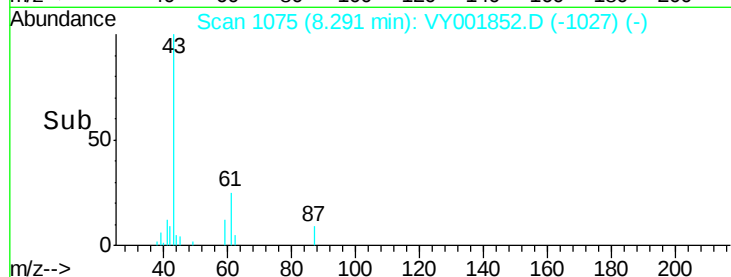
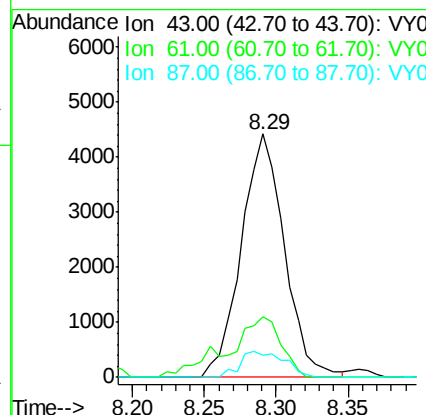
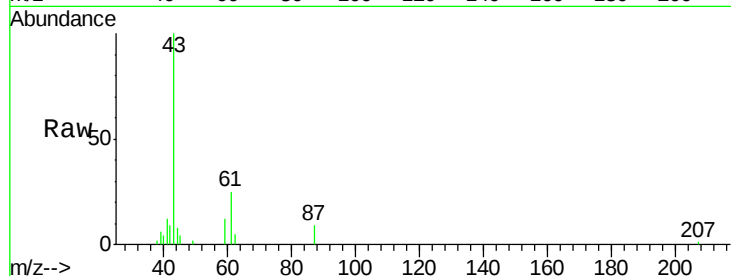
#43
Isopropyl Acetate
Concen: 2.668 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.6	23.8	35.6#
87	11.1	10.9	16.3

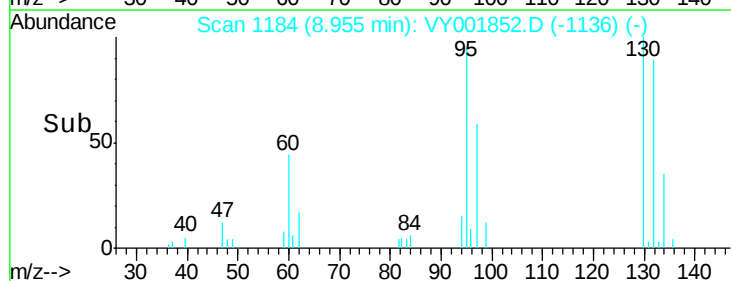
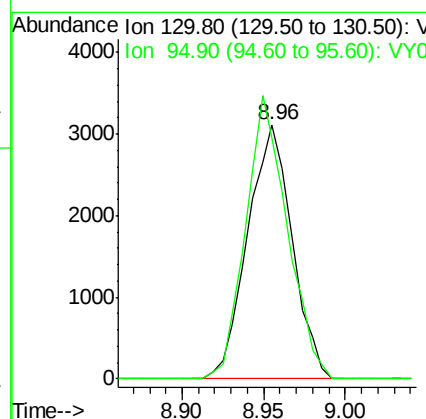
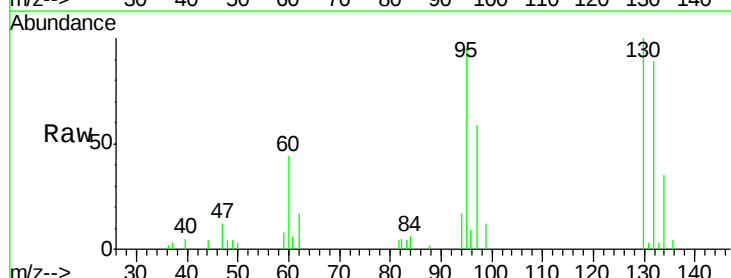
Manual Integrations
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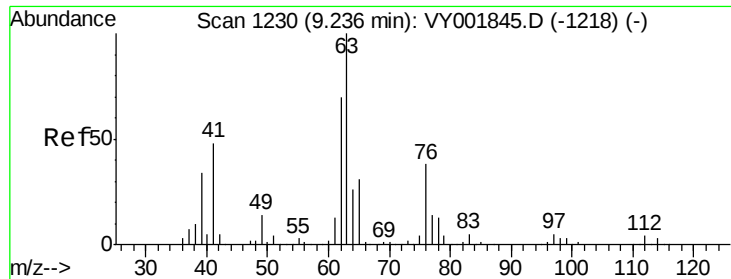
MMDadoda
3/5/2020 1:37:23 PM



#44
Trichloroethene
Concen: 2.608 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	204.6





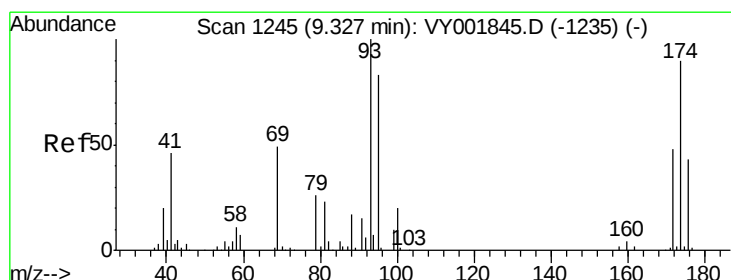
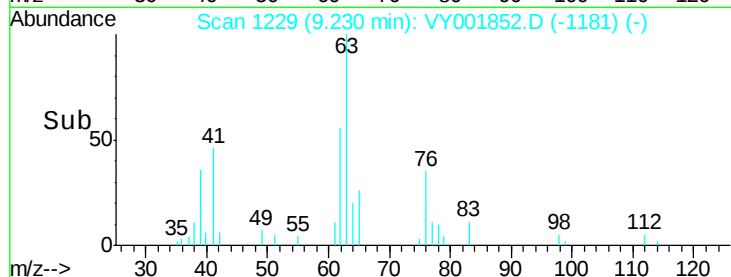
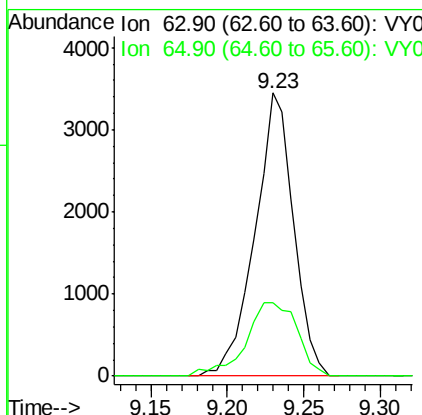
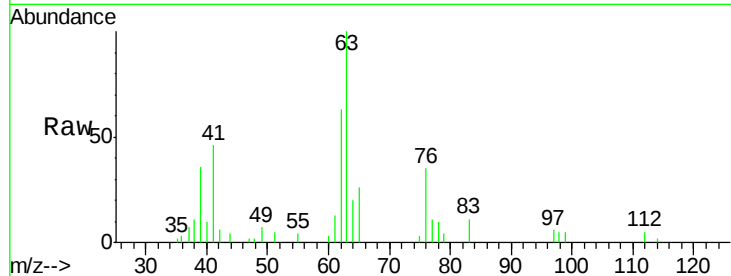
#45
 1,2-Dichloropropane
 Concen: 2.596 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

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

Tot Ion: 63 Resp: 6049
 Ion Ratio Lower Upper
 63 100
 65 26.0 24.9 37.3

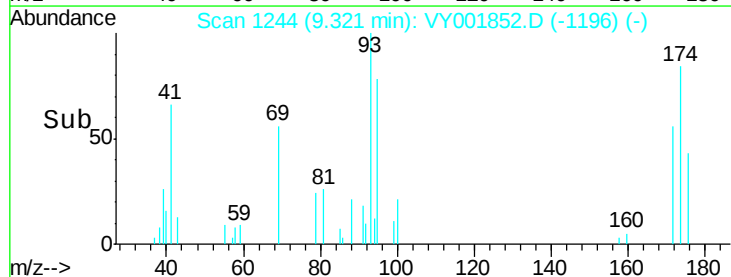
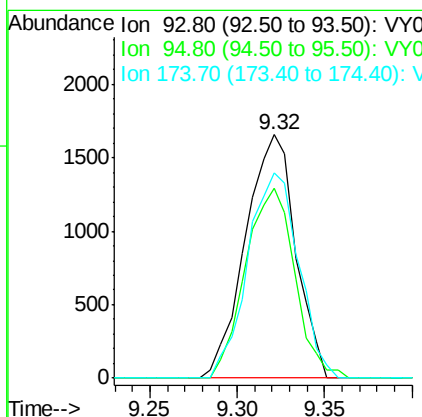
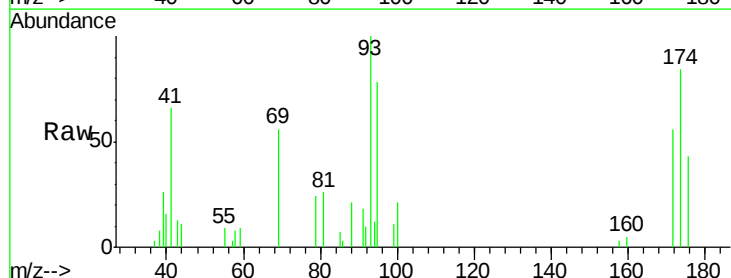
Manual Integrations
 APPROVED

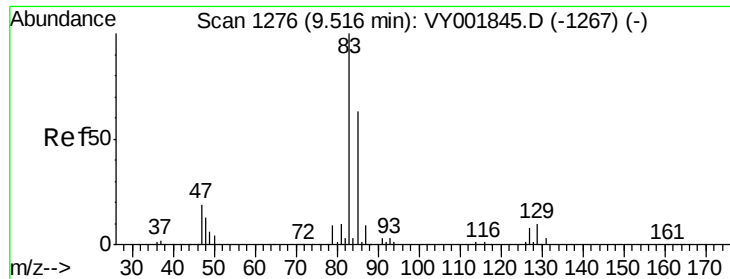
MMDadoda
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#46
 Dibromomethane
 Concen: 2.749 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion: 93 Resp: 3301
 Ion Ratio Lower Upper
 93 100
 95 76.9 67.0 100.4
 174 85.6 71.8 107.8





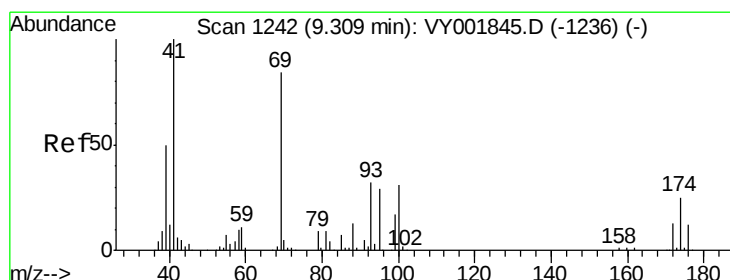
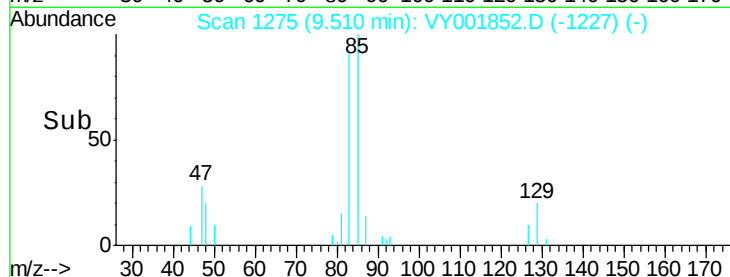
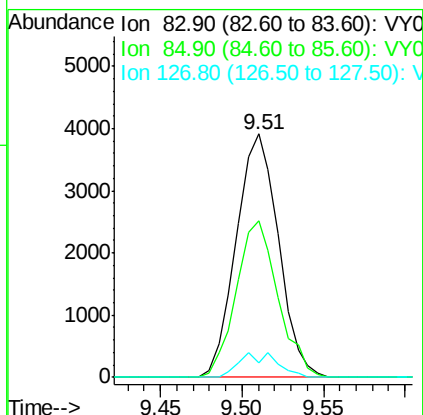
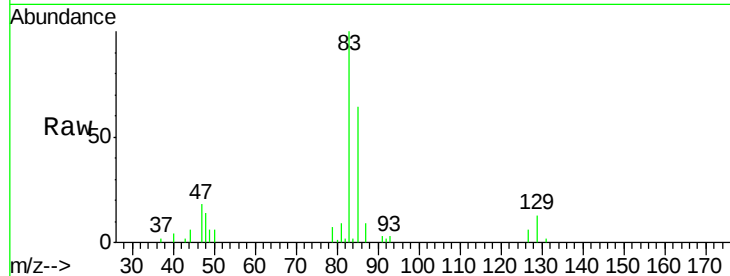
#47
Bromodichloromethane
Concen: 2.530 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	76.0
127	6.2	6.2	9.4#

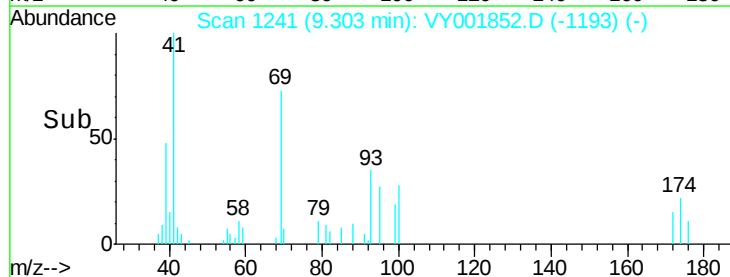
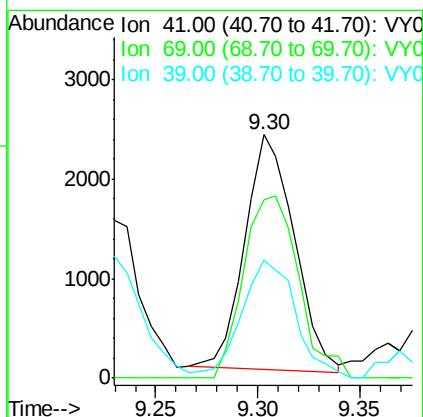
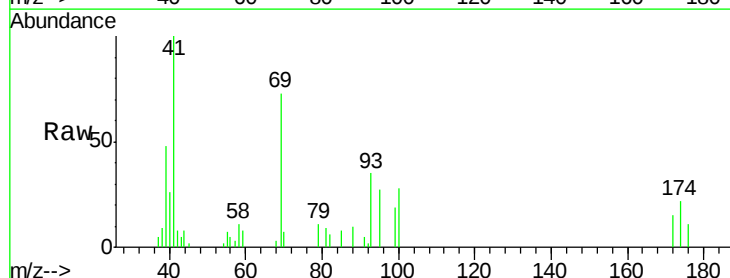
Manual Integrations
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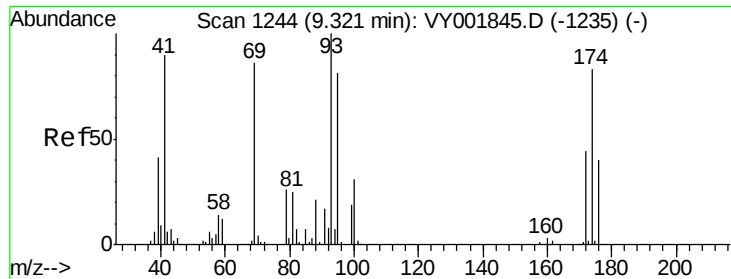
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#48
Methyl methacrylate
Concen: 2.600 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.6	69.0	103.6
39	55.3	39.1	58.7





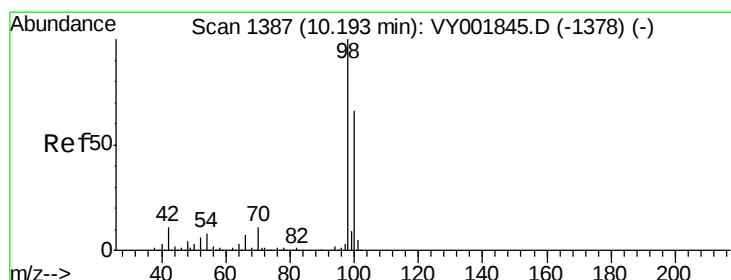
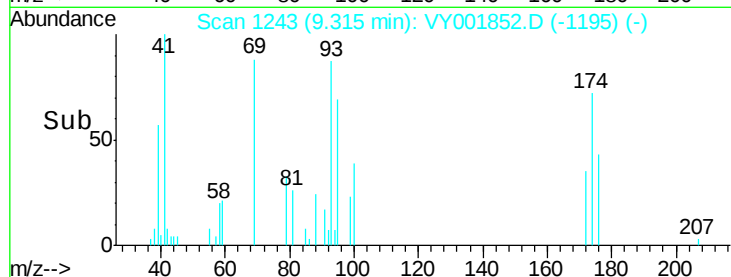
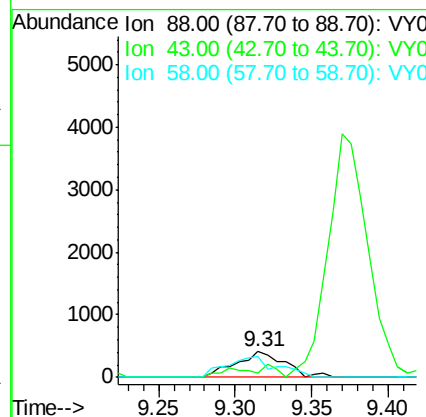
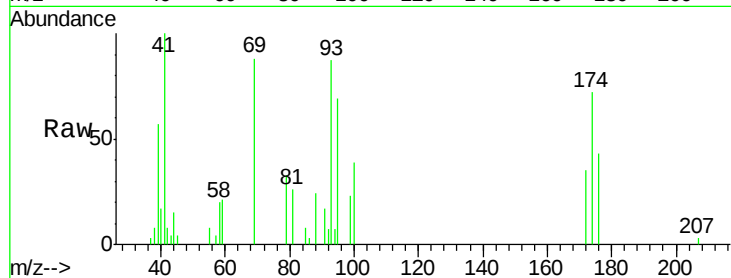
#49
1,4-Dioxane
Concen: 55.429 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.5	25.0	37.6#
58	85.2	58.9	88.3

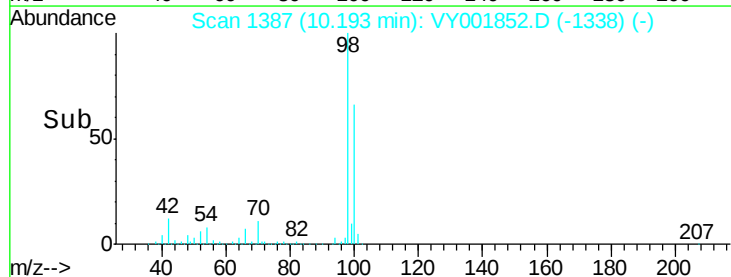
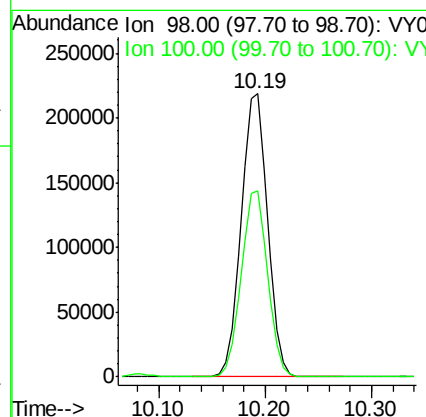
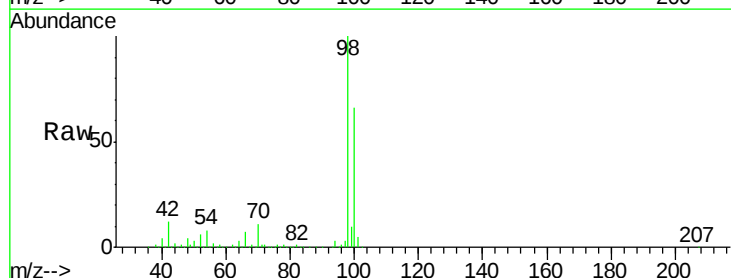
Manual Integrations
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#50
Toluene-d8
Concen: 51.057 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 13.256 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 23496

Ion Ratio Lower Upper

43 100

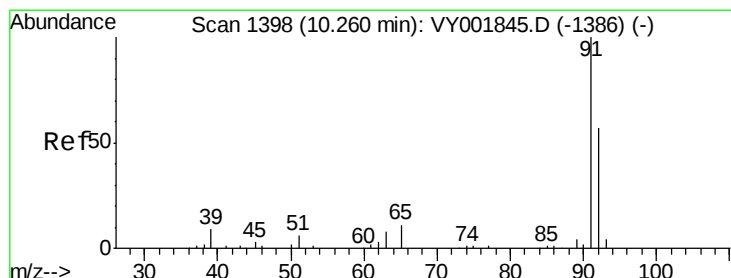
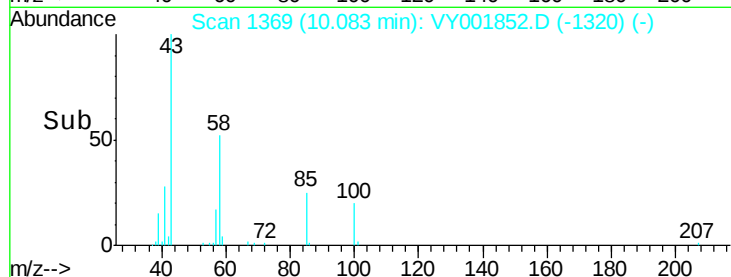
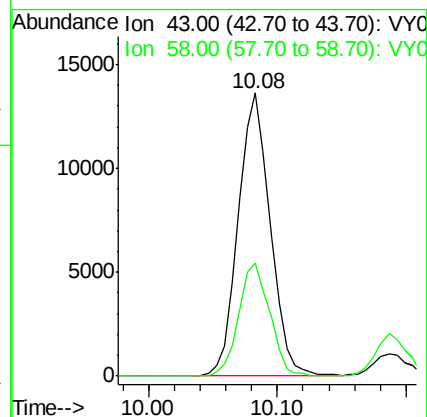
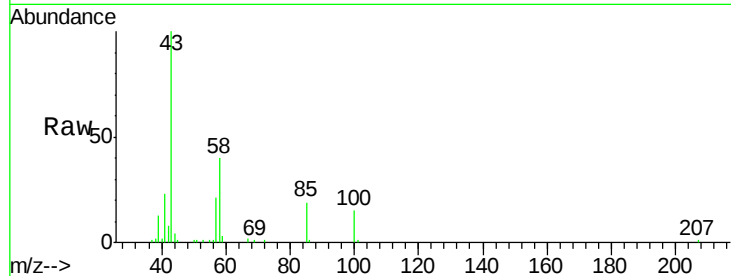
58 38.5 32.0 48.0

Manual Integrations

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#52

Toluene

Concen: 2.593 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001852.D

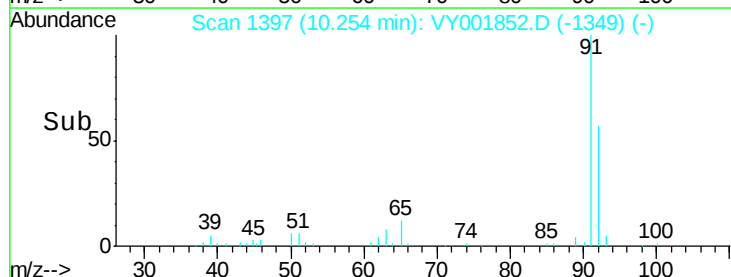
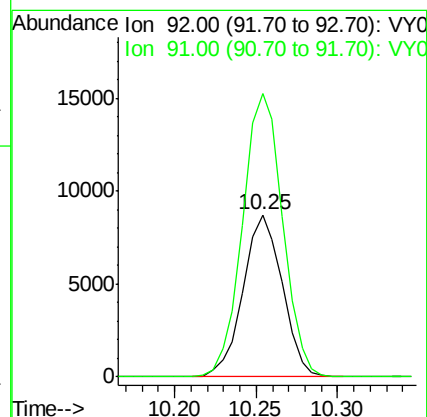
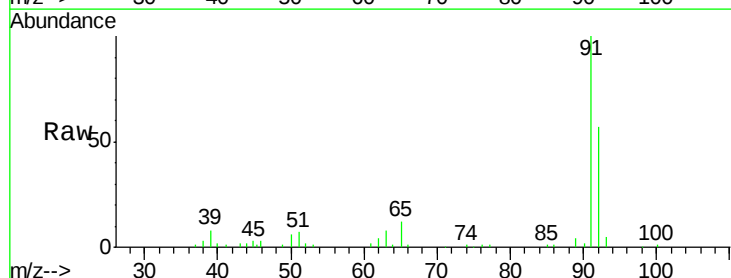
Acq: 04 Mar 2020 14:45

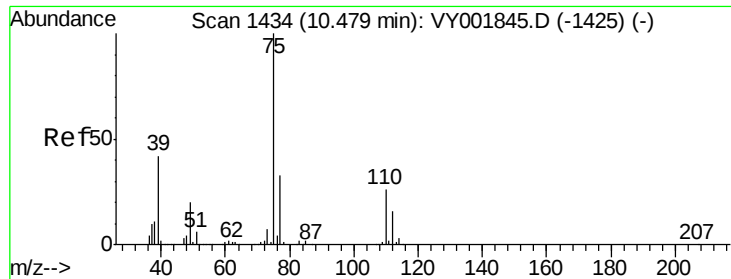
Tgt Ion: 92 Resp: 14599

Ion Ratio Lower Upper

92 100

91 178.8 138.6 208.0





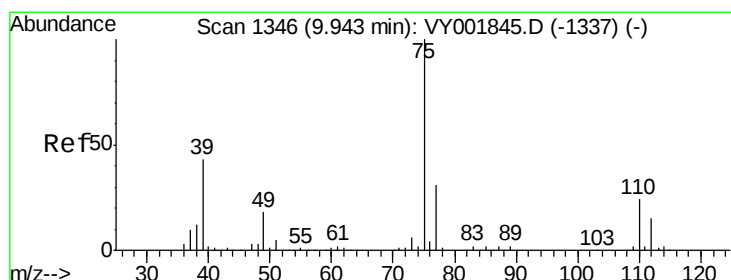
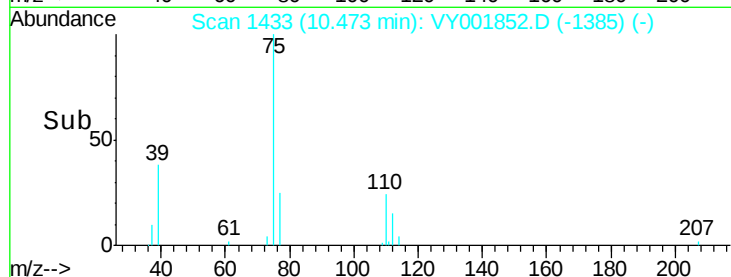
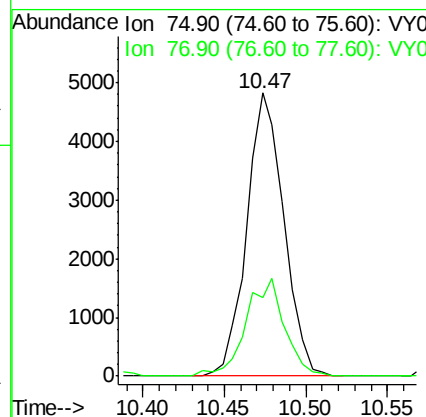
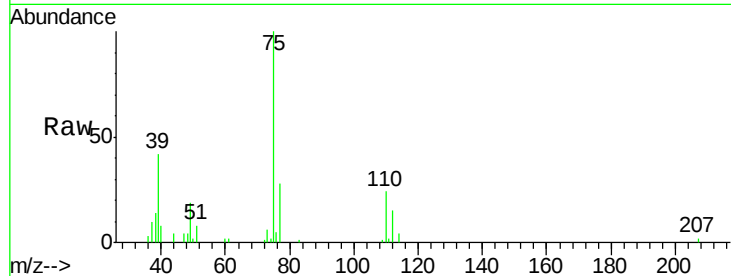
#53
 t-1,3-Dichloropropene
 Concen: 2.509 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

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

Tot Ion: 75 Resp: 7635
 Ion Ratio Lower Upper
 75 100
 77 27.7 26.3 39.5

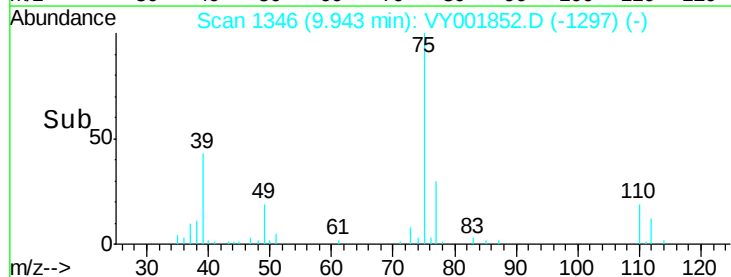
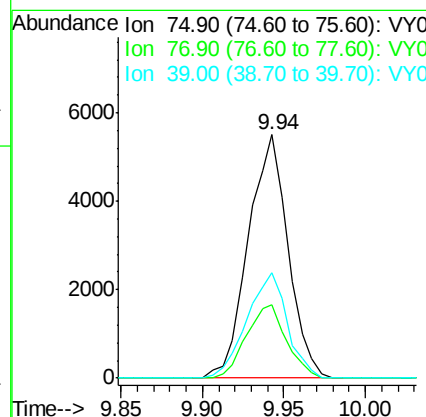
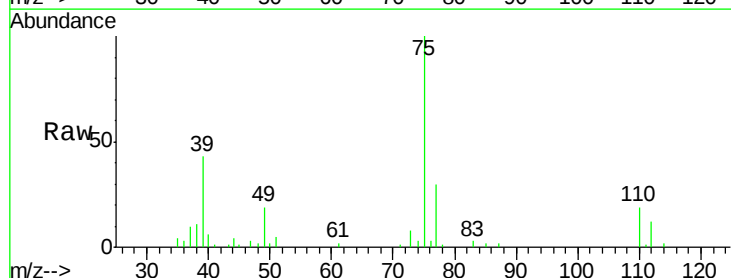
Manual Integrations
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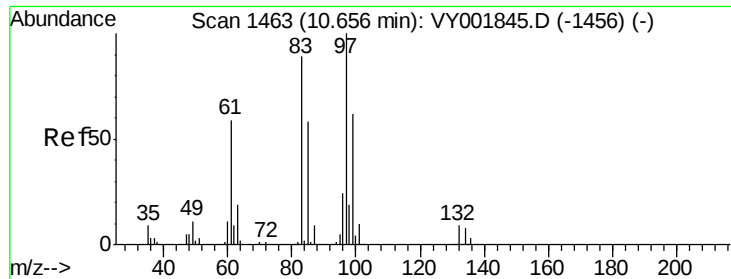
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#54
 cis-1,3-Dichloropropene
 Concen: 2.576 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion: 75 Resp: 9333
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.1 37.7
 39 43.1 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 2.631 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 97 Resp: 4623

Ion Ratio Lower Upper

97 100

83 79.5 71.6 107.4

85 65.4 46.6 69.8

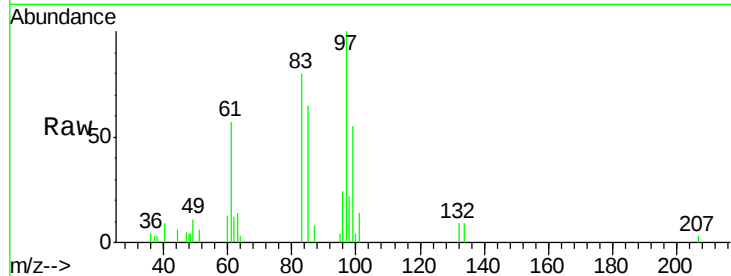
99 55.4 49.8 74.6

Manual Integrations

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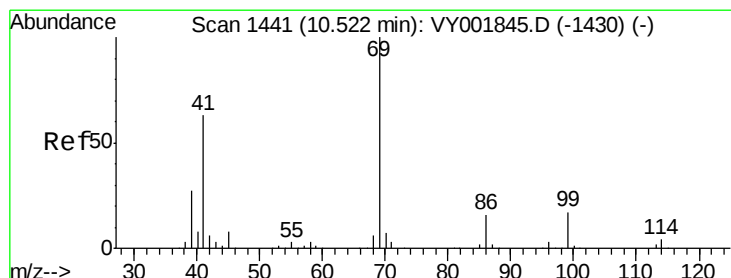
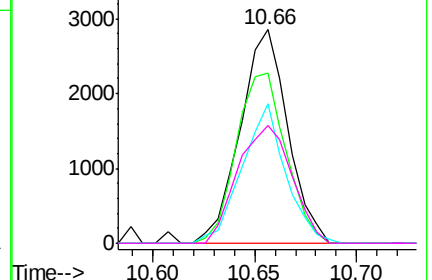
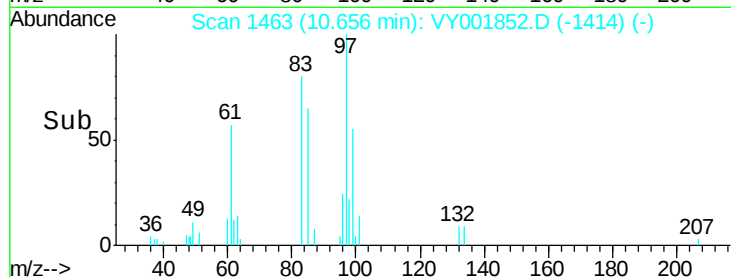


Abundance Ion 96.90 (96.60 to 97.60): VY001852.D (-1414) (-)

Ion 82.90 (82.60 to 83.60): VY001852.D (-1414) (-)

Ion 84.90 (84.60 to 85.60): VY001852.D (-1414) (-)

Ion 98.90 (98.60 to 99.60): VY001852.D (-1414) (-)



#56

Ethyl methacrylate

Concen: 2.508 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

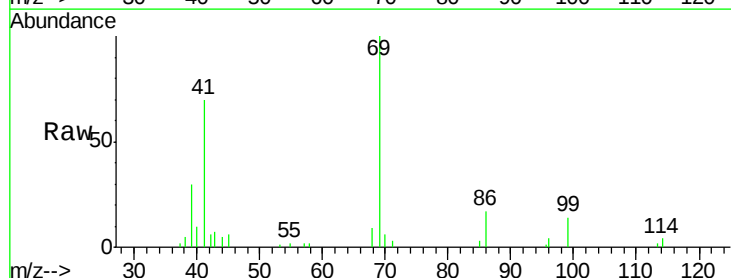
Tgt Ion: 69 Resp: 6460

Ion Ratio Lower Upper

69 100

41 71.4 49.9 74.9

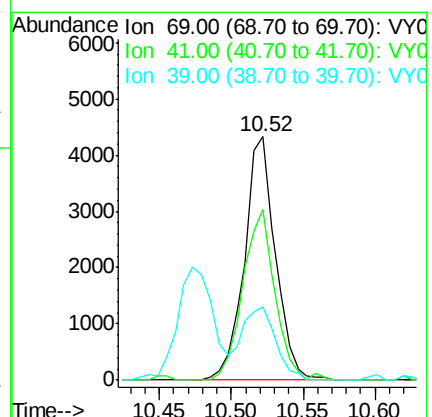
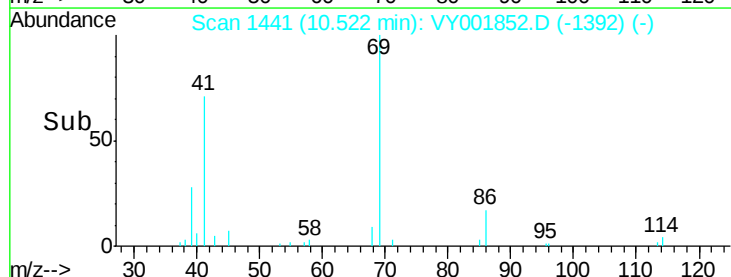
39 32.9 23.0 34.6

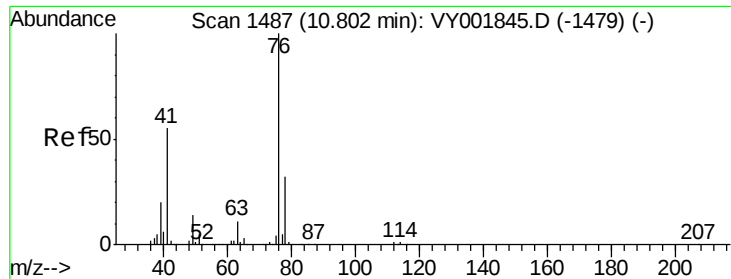


Abundance Ion 69.00 (68.70 to 69.70): VY001852.D (-1392) (-)

Ion 41.00 (40.70 to 41.70): VY001852.D (-1392) (-)

Ion 39.00 (38.70 to 39.70): VY001852.D (-1392) (-)





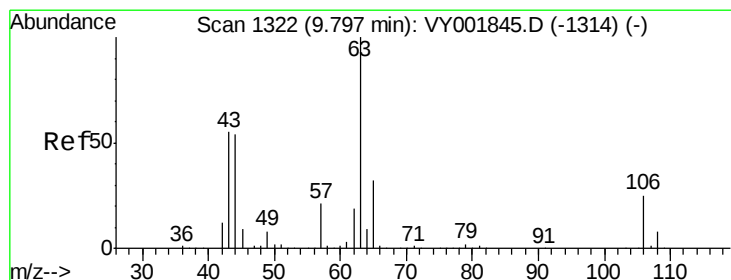
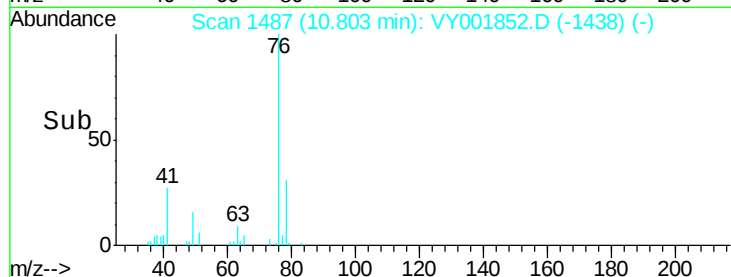
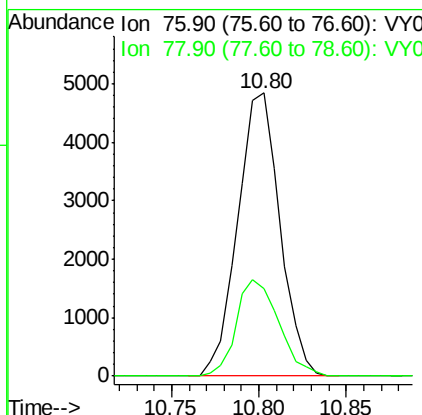
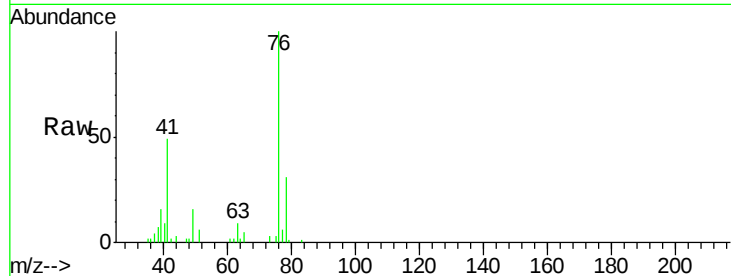
#57
 1,3-Dichloropropane
 Concen: 2.598 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

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

Tot Ion: 76 Resp: 8137
 Ion Ratio Lower Upper
 76 100
 78 34.2 25.8 38.6

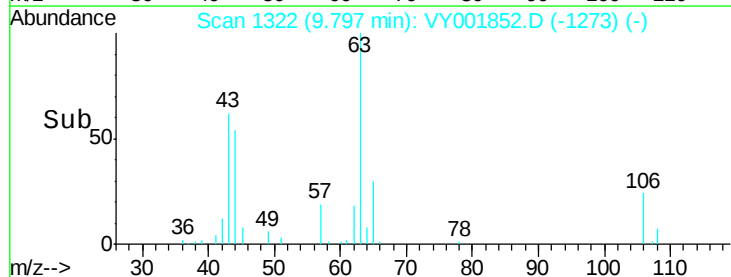
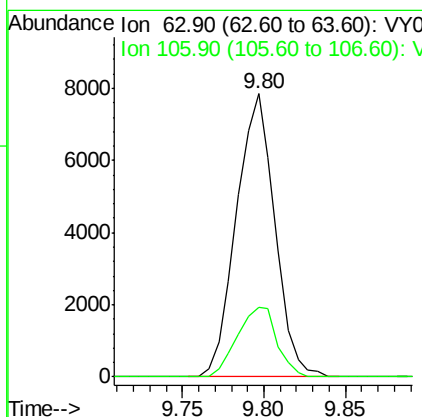
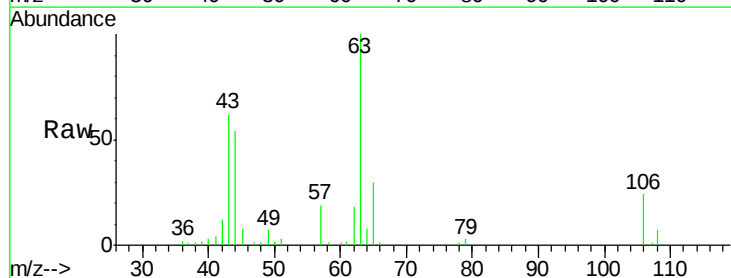
Manual Integrations
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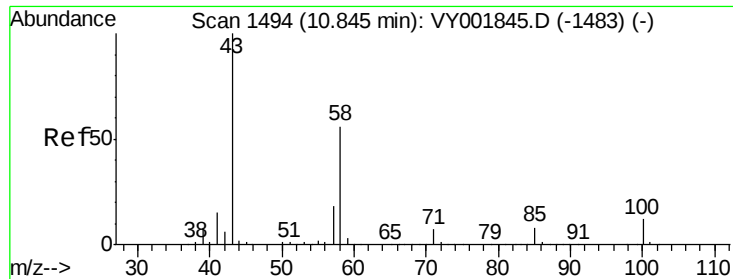
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 3/5/2020 1:37:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 12.614 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion: 63 Resp: 12883
 Ion Ratio Lower Upper
 63 100
 106 25.4 21.3 31.9





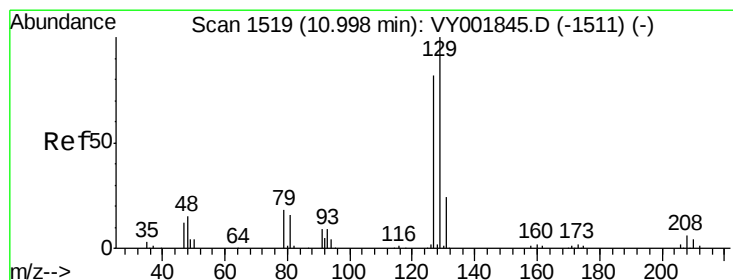
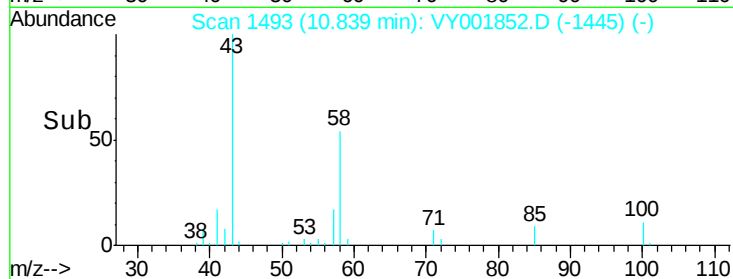
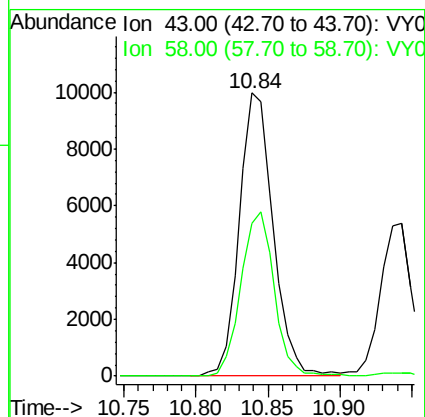
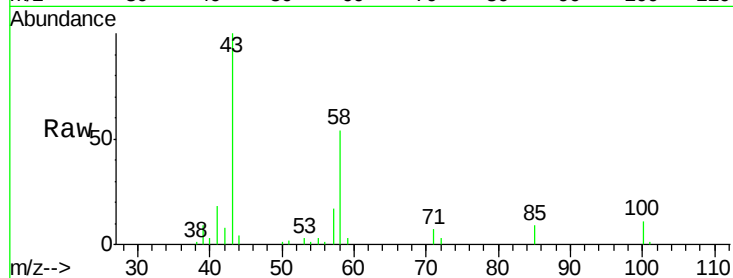
#59
2-Hexanone
Concen: 12.859 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion: 43 Resp: 16268
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.3

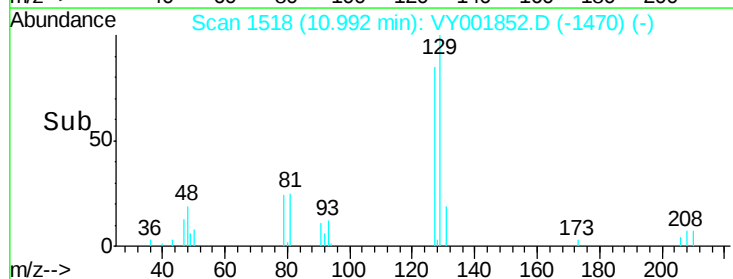
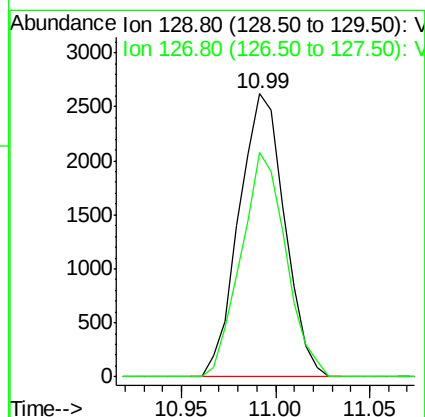
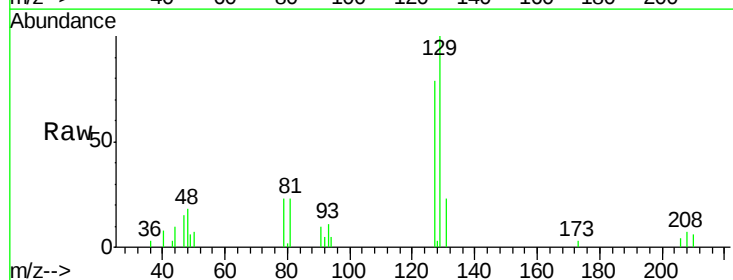
Manual Integrations
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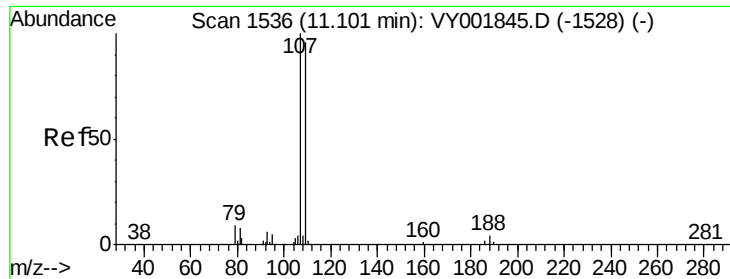
MMDadoda
3/5/2020 1:37:23 PM



#60
Dibromochloromethane
Concen: 2.379 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 129 Resp: 4406
Ion Ratio Lower Upper
129 100
127 78.1 39.0 117.0





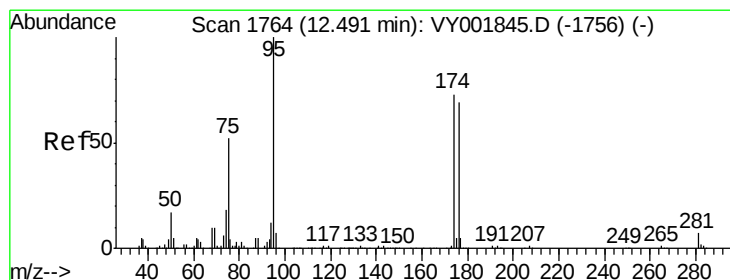
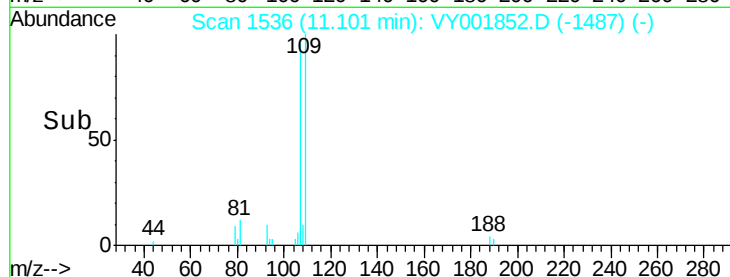
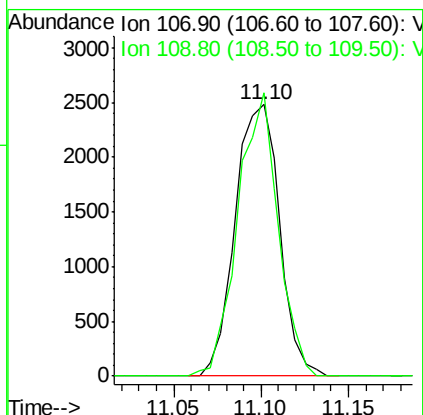
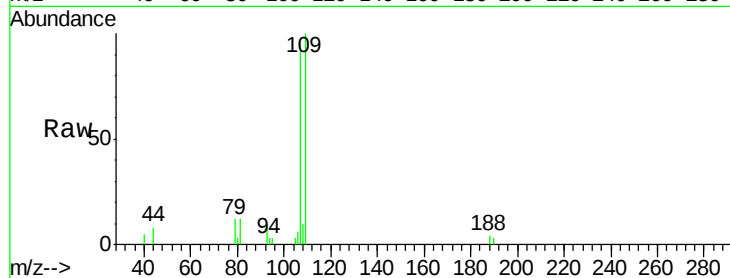
#61
 1,2-Dibromoethane
 Concen: 2.640 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

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

Tot Ion: 107 Resp: 4395
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.0

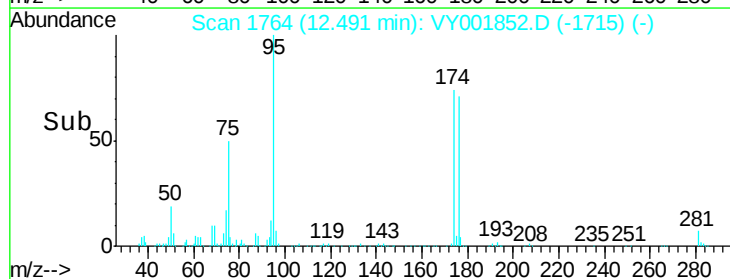
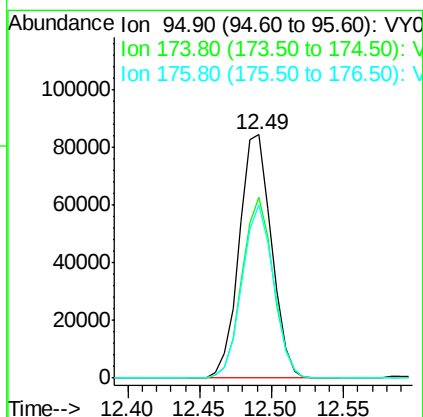
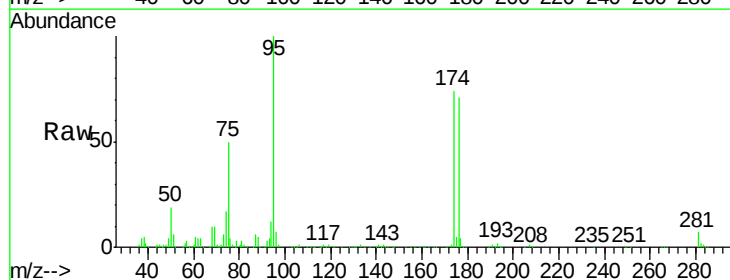
Manual Integrations
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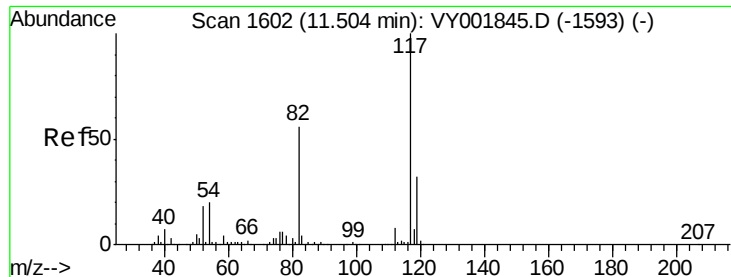
MMDadoda
 3/5/2020 1:37:23 PM



#62
 4-Bromofluorobenzene
 Concen: 50.418 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion: 95 Resp: 131182
 Ion Ratio Lower Upper
 95 100
 174 71.3 0.0 145.0
 176 69.3 0.0 137.4





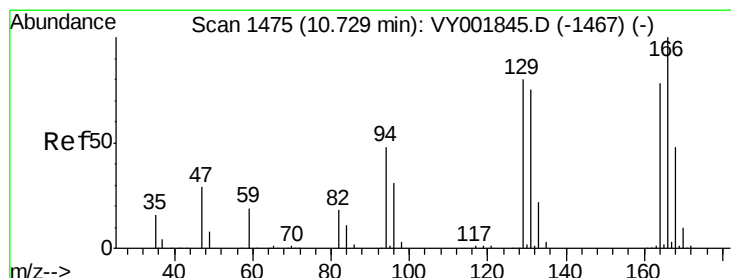
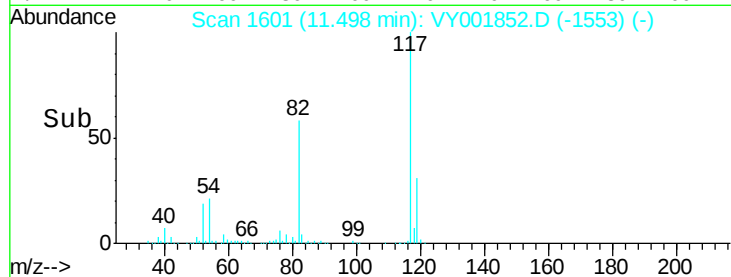
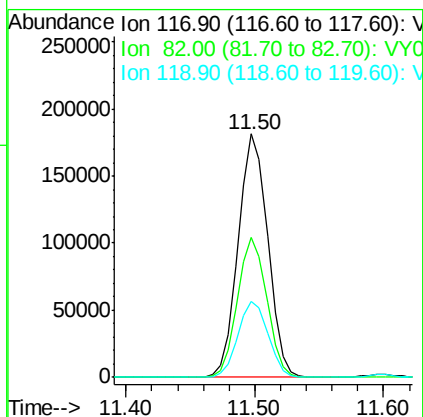
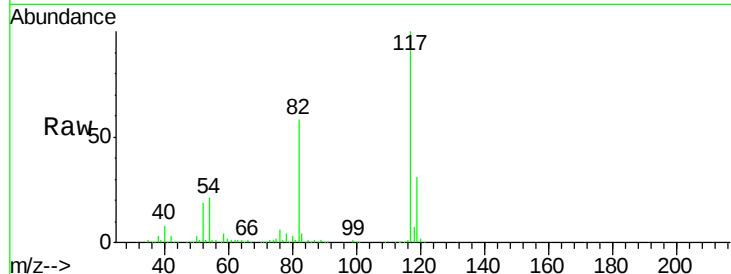
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	287675		
82	57.5		44.5	66.7
119	31.3		25.7	38.5

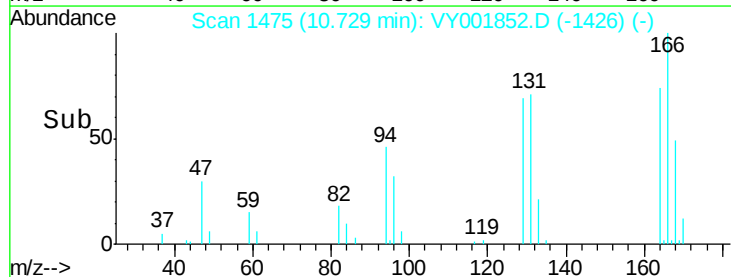
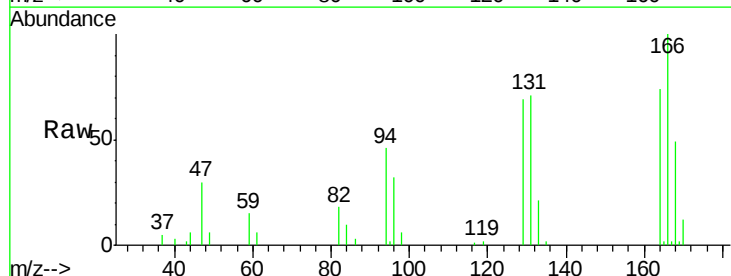
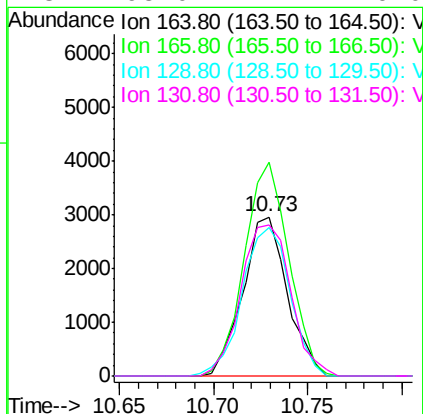
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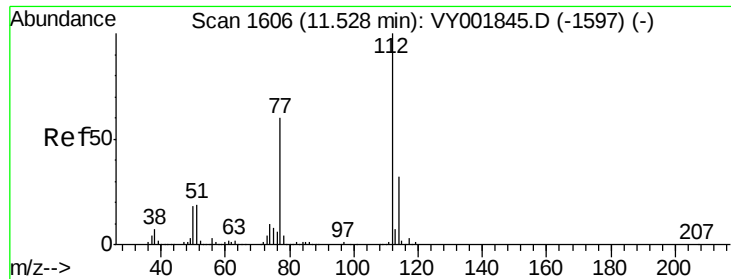
MMDadoda
3/5/2020 1:37:23 PM



#64
Tetrachloroethene
Concen: 2.697 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	4865		
166	134.2		102.6	154.0
129	93.2		82.3	123.5
131	95.0		77.4	116.0





#65

Chlorobenzene

Concen: 2.704 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:112 Resp: 15501

Ion Ratio Lower Upper

112 100

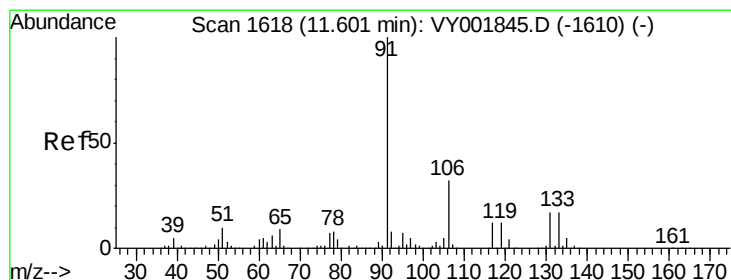
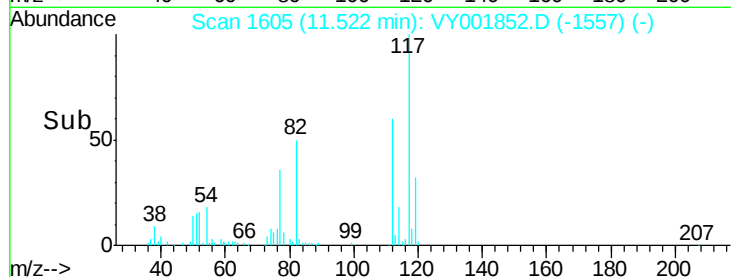
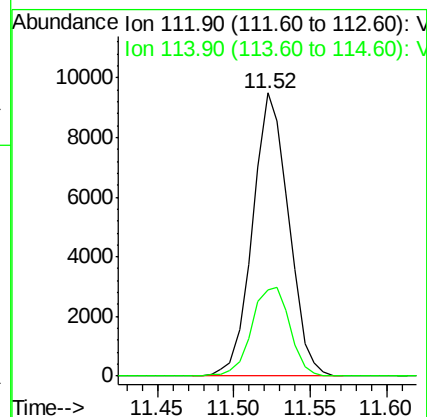
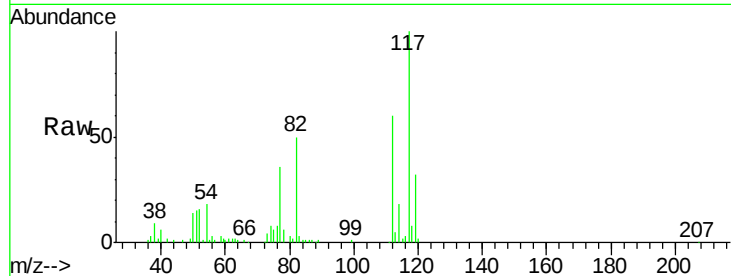
114 30.4 25.9 38.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 2.584 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

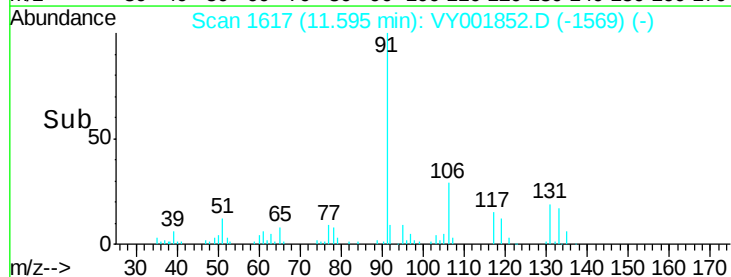
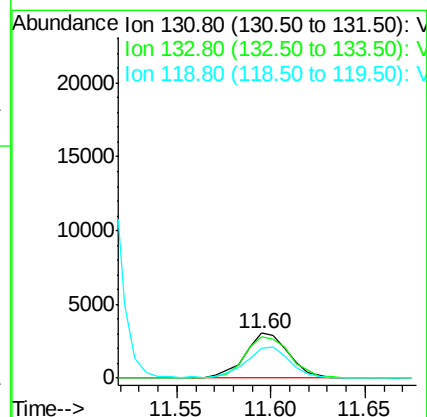
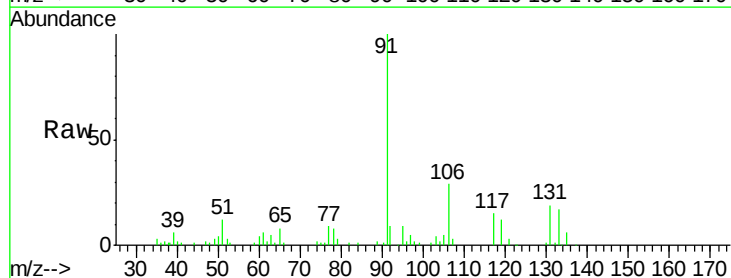
Tgt Ion:131 Resp: 4857

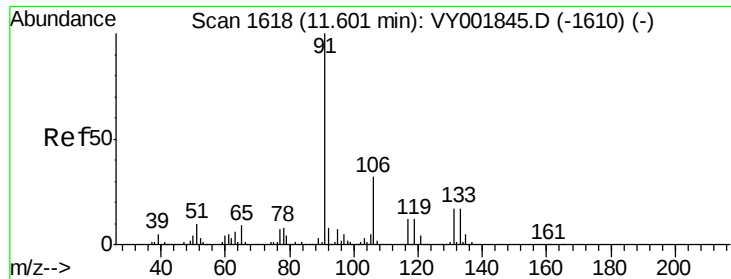
Ion Ratio Lower Upper

131 100

133 95.3 47.1 141.3

119 70.8 34.5 103.6





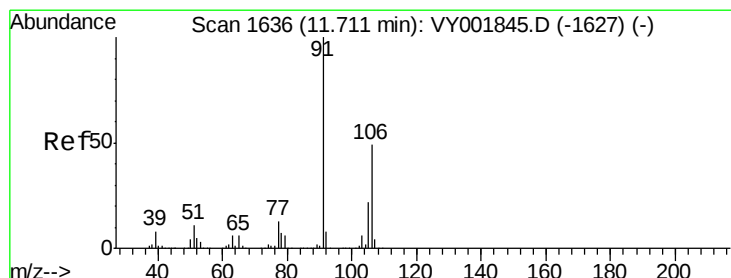
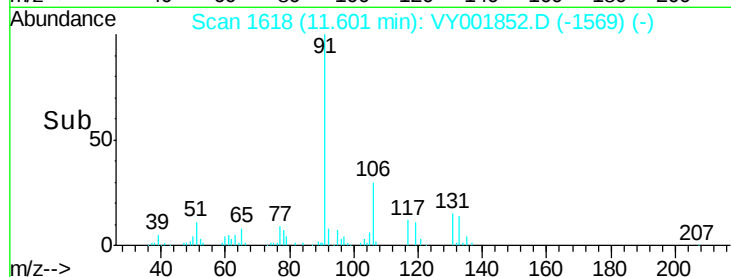
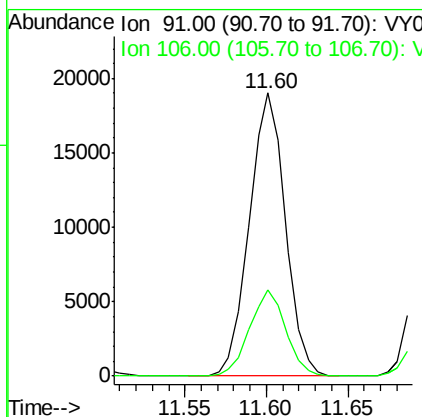
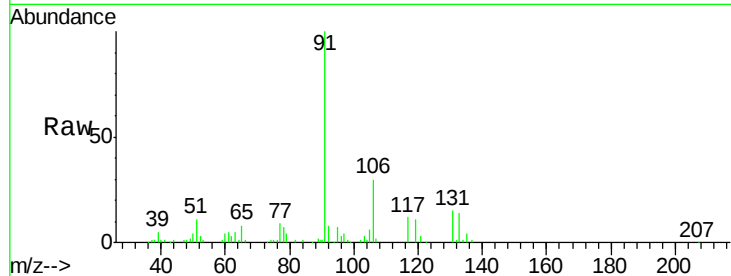
#67
Ethyl Benzene
Concen: 2.730 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion: 91 Resp: 29187
Ion Ratio Lower Upper
91 100
106 30.3 25.4 38.2

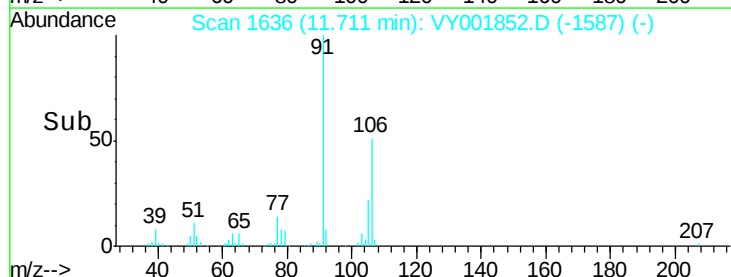
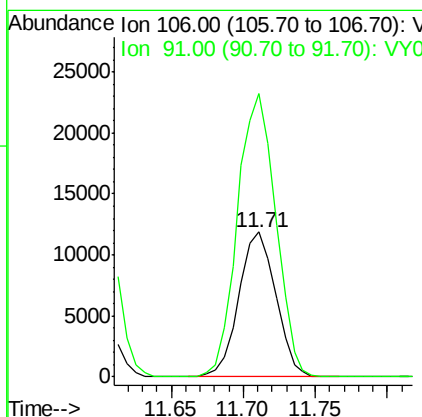
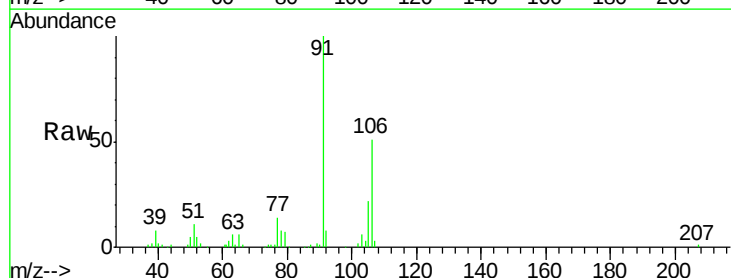
Manual Integrations
APPROVED

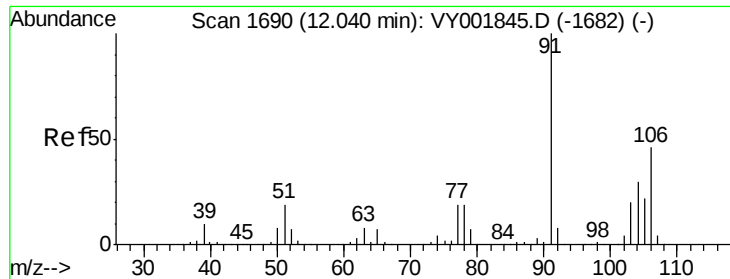
MMDadoda
3/5/2020 1:37:23 PM



#68
m/p-Xylenes
Concen: 5.358 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 106 Resp: 21175
Ion Ratio Lower Upper
106 100
91 201.9 161.3 241.9





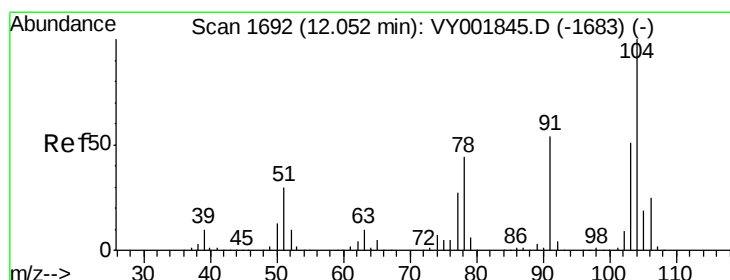
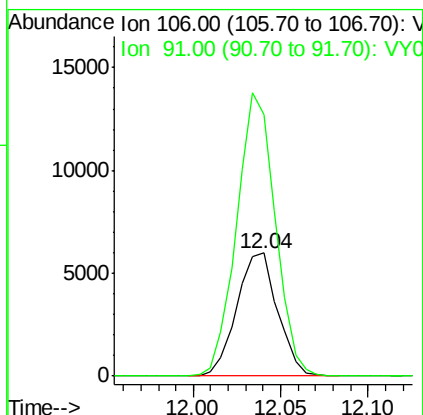
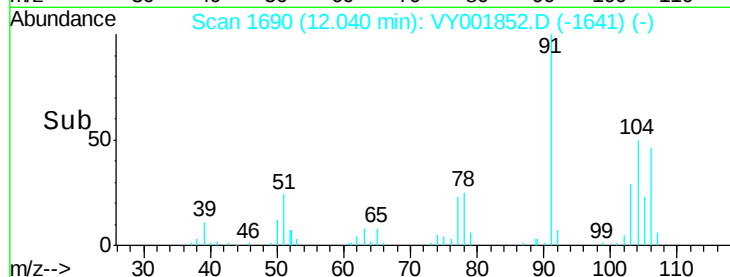
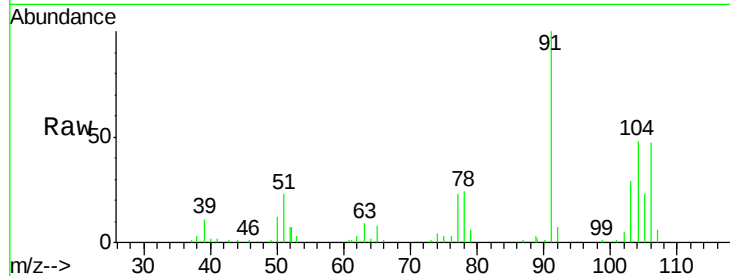
#69
o-Xylene
Concen: 2.620 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion:106 Resp: 9761
Ion Ratio Lower Upper
106 100
91 216.3 106.8 320.4

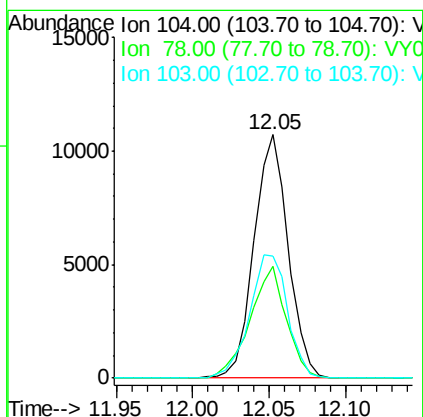
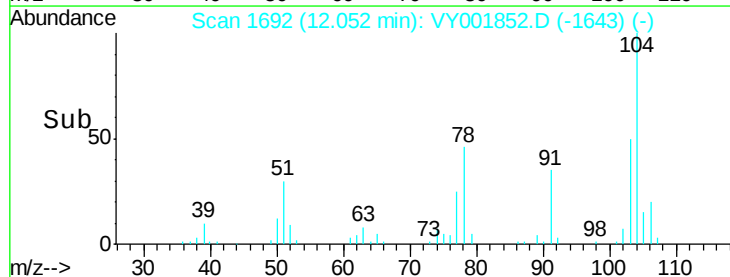
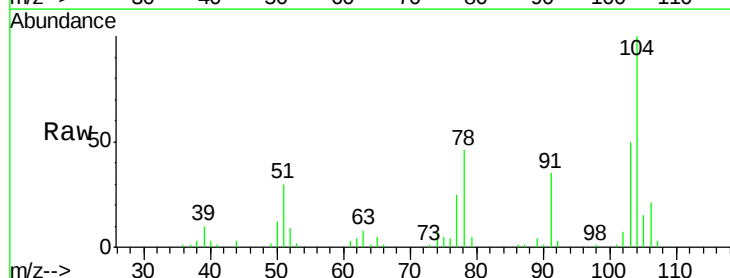
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#70
Styrene
Concen: 2.612 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion:104 Resp: 16667
Ion Ratio Lower Upper
104 100
78 48.7 38.5 57.7
103 56.4 42.9 64.3





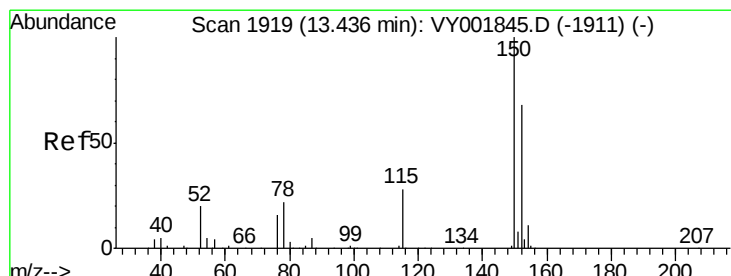
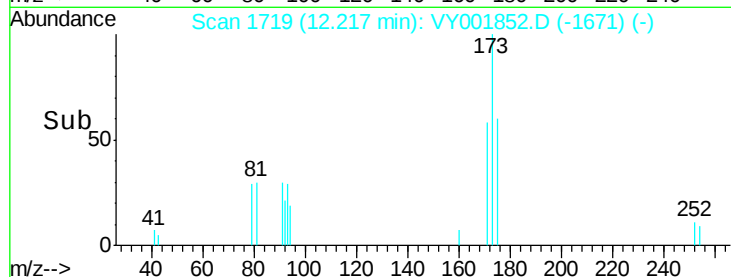
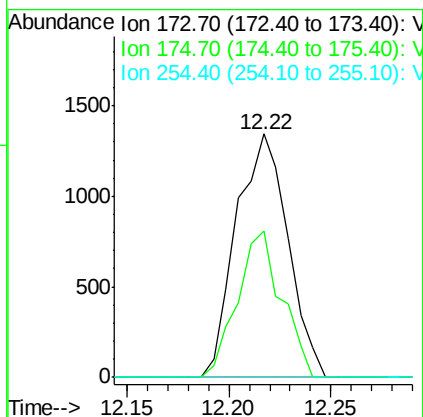
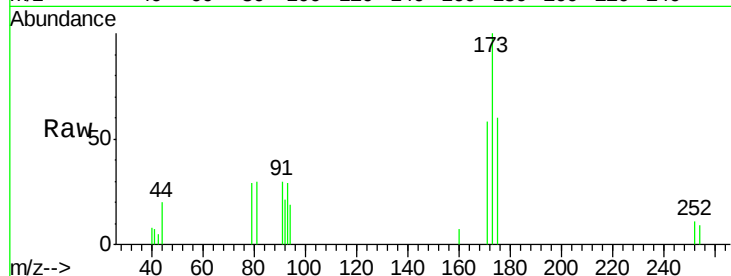
#71
Bromoform
Concen: 2.308 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.8	24.3	72.8
254	0.0	0.0	0.0

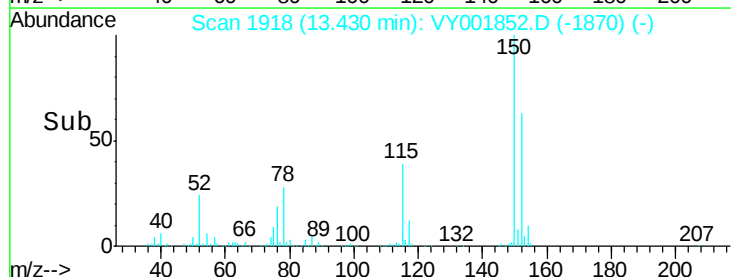
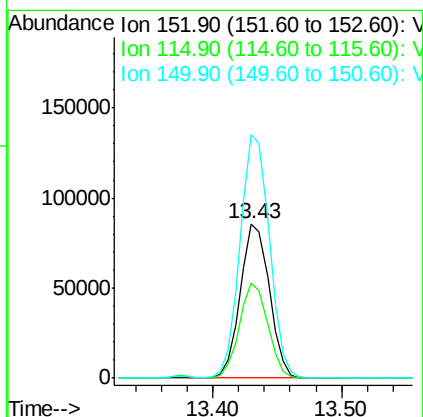
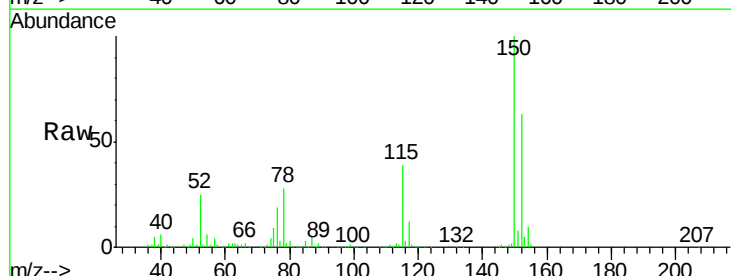
Manual Integrations
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3/5/2020 1:37:23 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	29.9	89.7
150	159.5	0.0	340.6





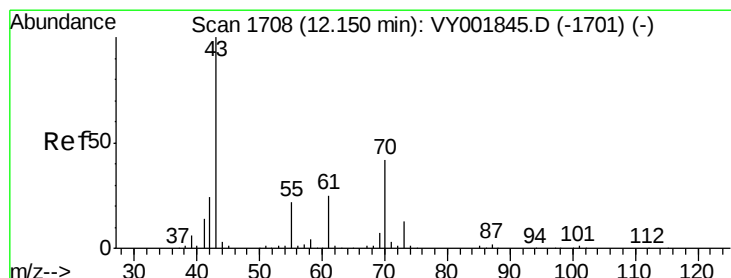
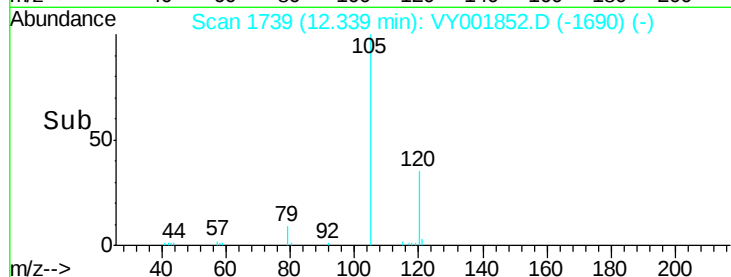
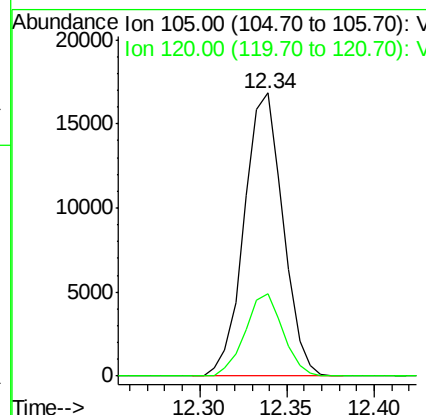
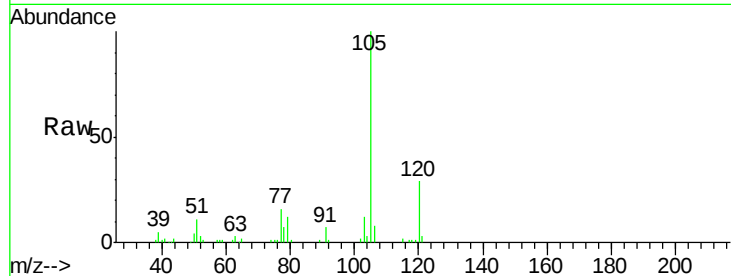
#73
Isopropylbenzene
Concen: 2.551 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.3	13.1	39.3

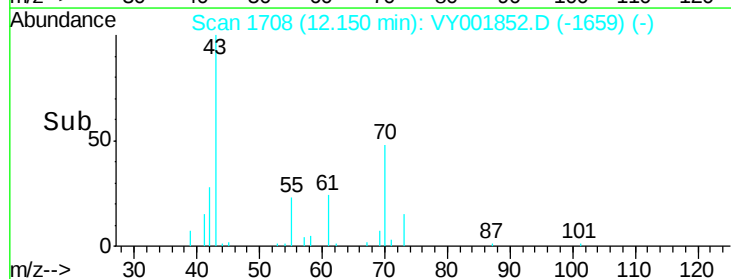
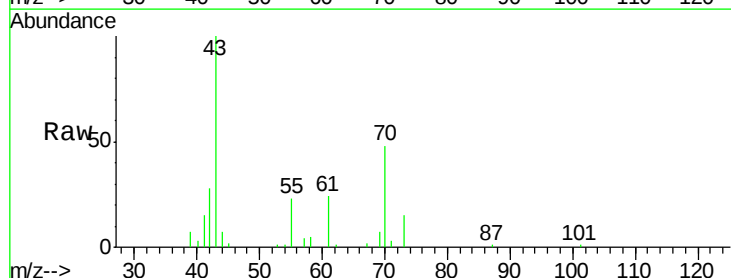
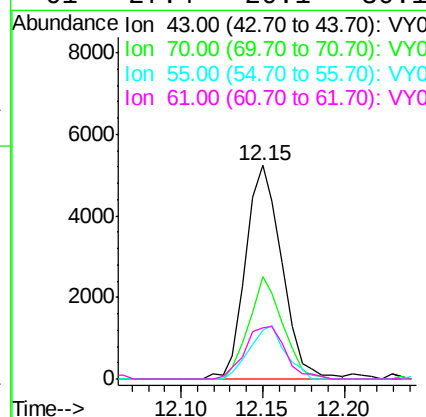
Manual Integrations
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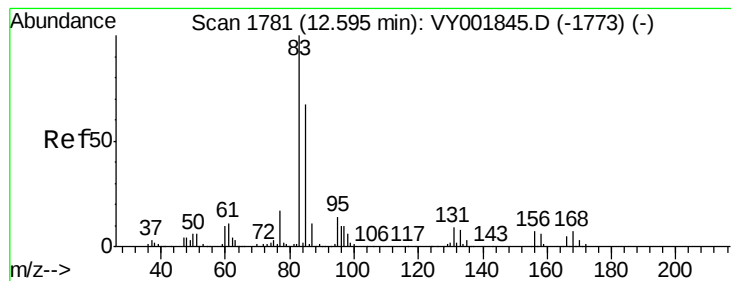
MMDadoda
3/5/2020 1:37:23 PM



#74
N-ethyl acetate
Concen: 2.592 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.5	34.7	52.1
55	24.5	18.2	27.4
61	27.4	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 2.599 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

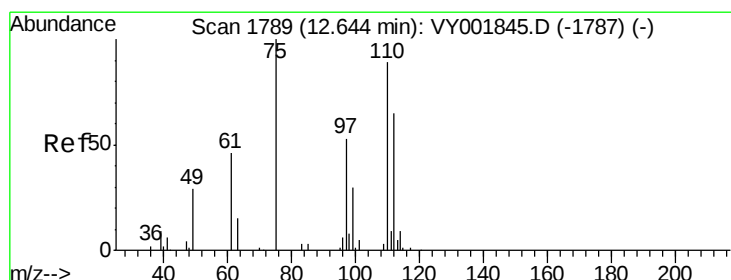
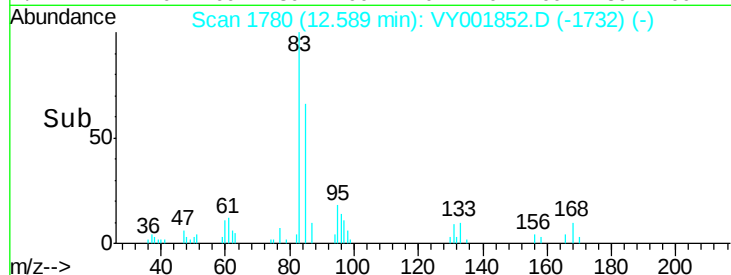
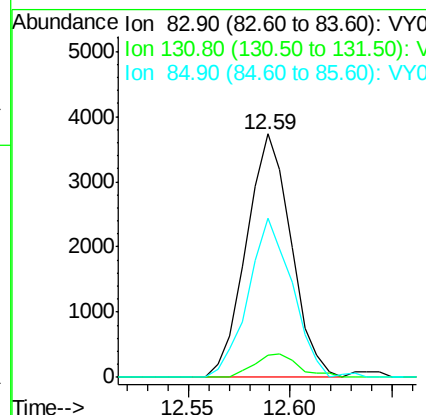
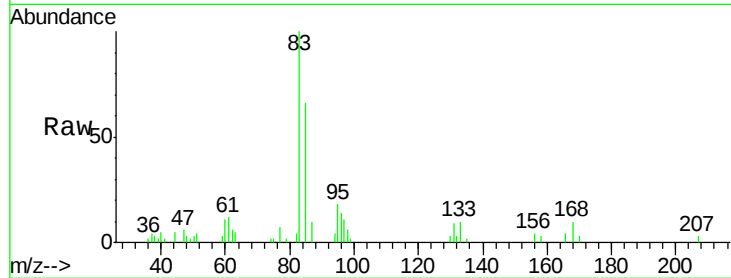
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	83	Resp:	5696
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	64.9	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 2.748 ug/l m

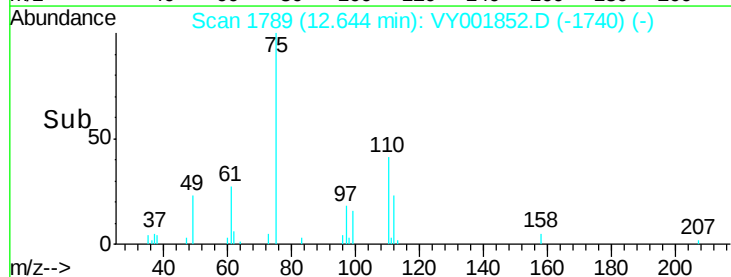
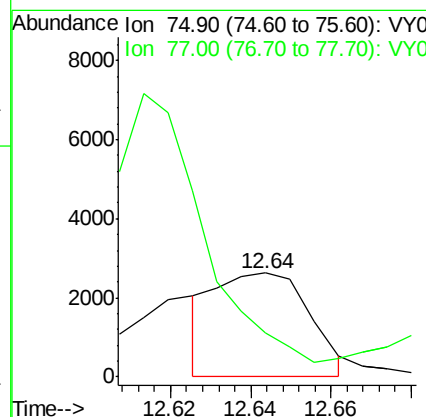
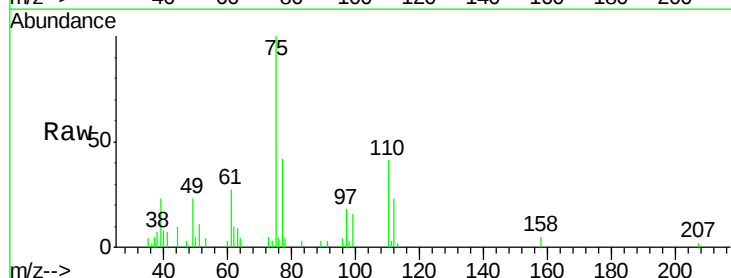
RT: 12.64 min Scan# 1789

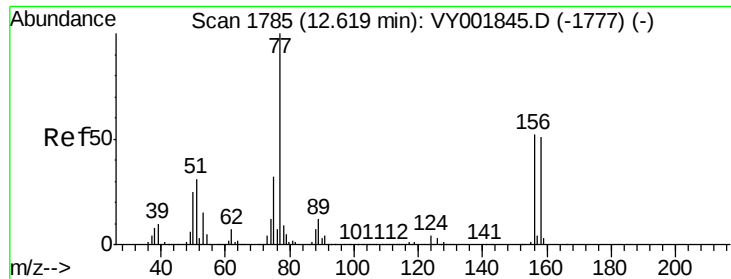
Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Tgt Ion:	75	Resp:	4341
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.746 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

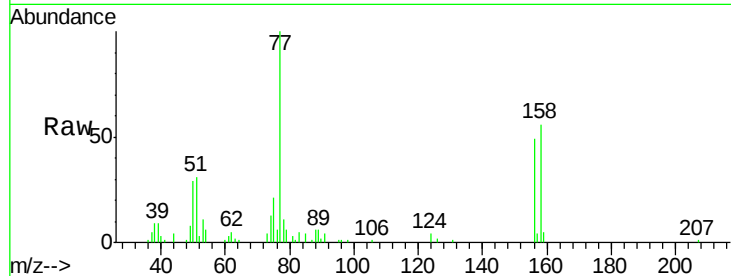
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
156	100		
77	215.3	109.0	327.0
158	97.3	48.9	146.8

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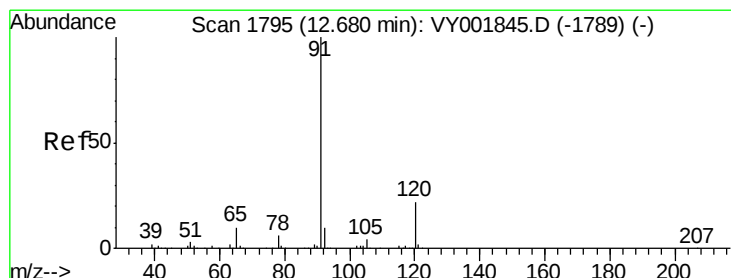
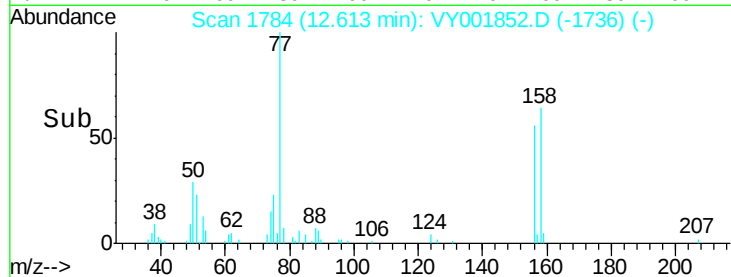
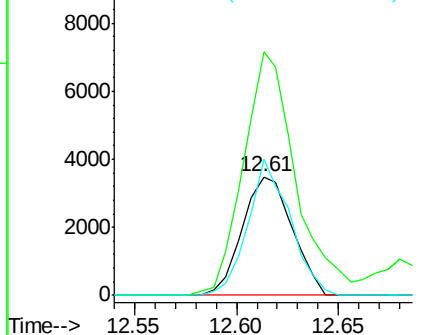


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.721 ug/l

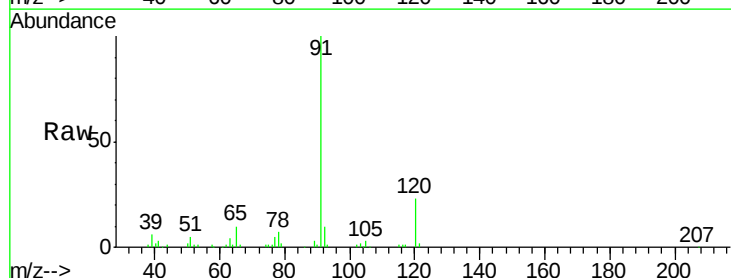
RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

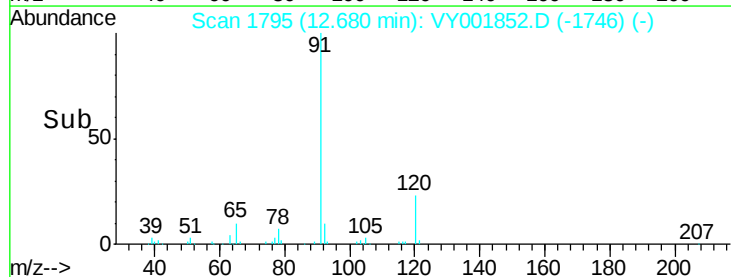
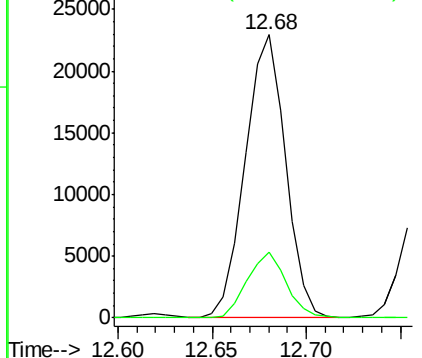
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0



Abundance

Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.759 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 91 Resp: 19117

Ion Ratio Lower Upper

91 100

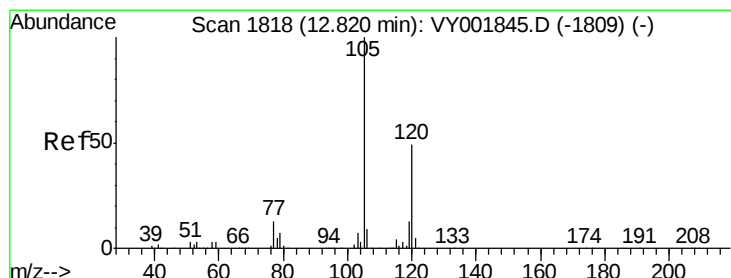
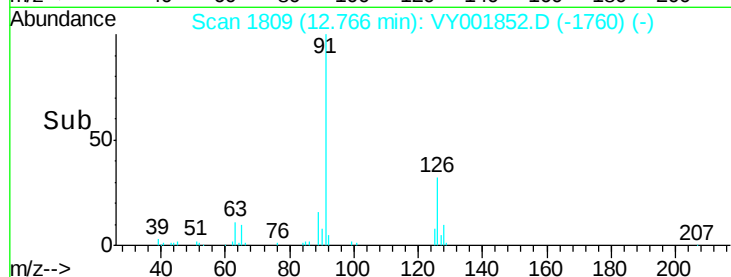
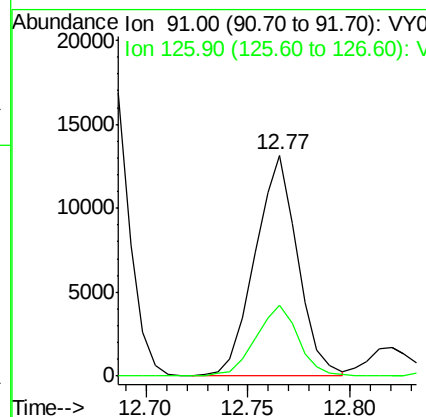
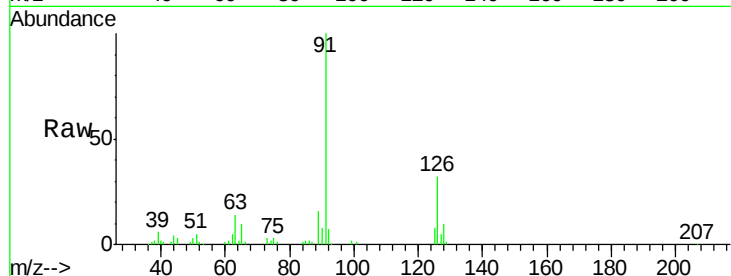
126 31.9 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 2.677 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001852.D

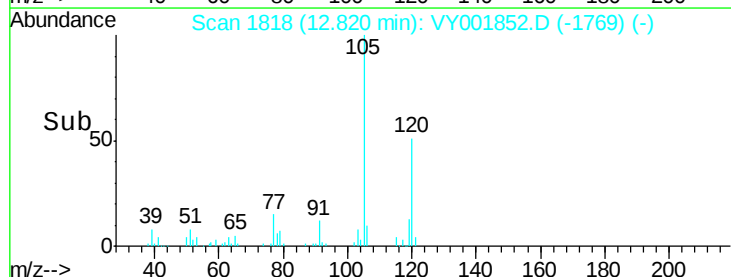
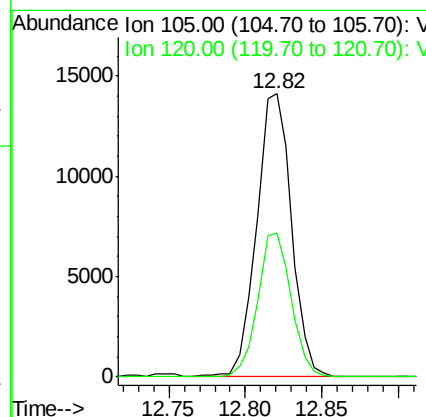
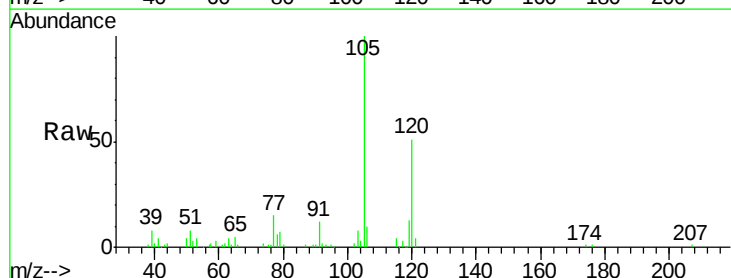
Acq: 04 Mar 2020 14:45

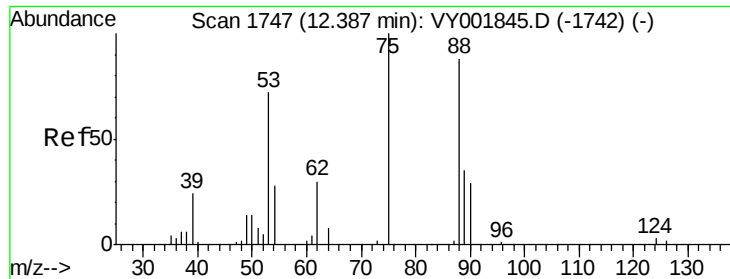
Tgt Ion: 105 Resp: 22404

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 2.508 ug/l m

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

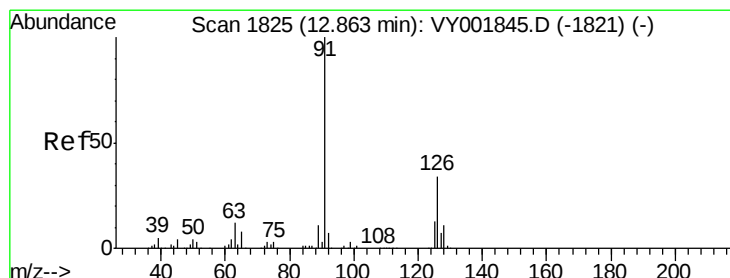
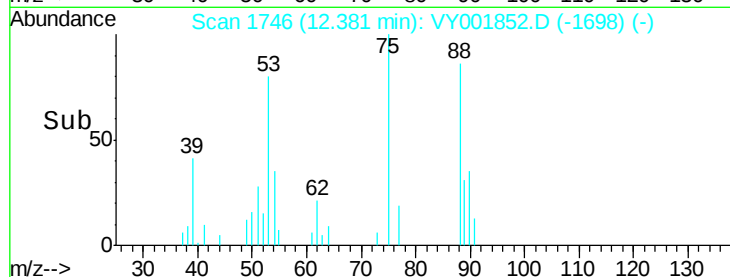
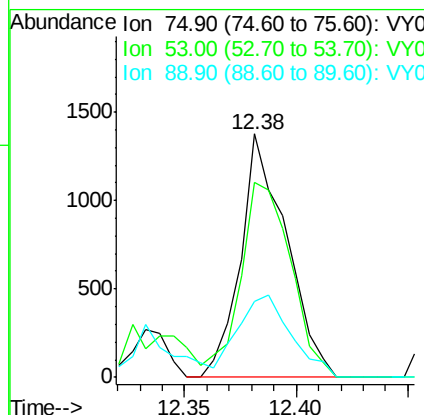
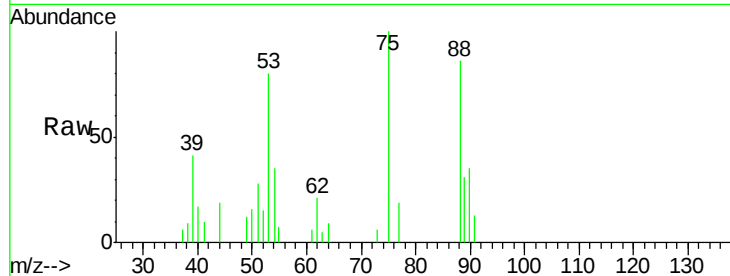
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	75	Resp:	1962
Ion Ratio	Lower	Upper	
75	100		
53	0.0	65.4	98.0#
89	2.1	36.0	54.0#

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#82

4-Chlorotoluene

Concen: 2.816 ug/l

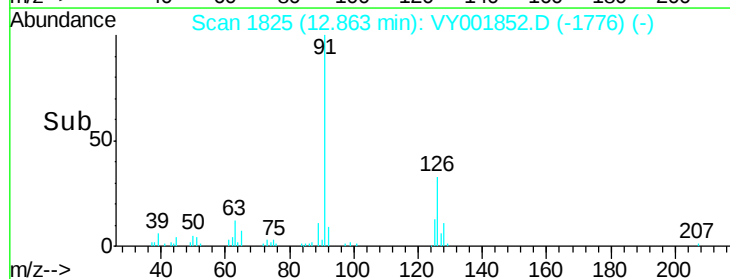
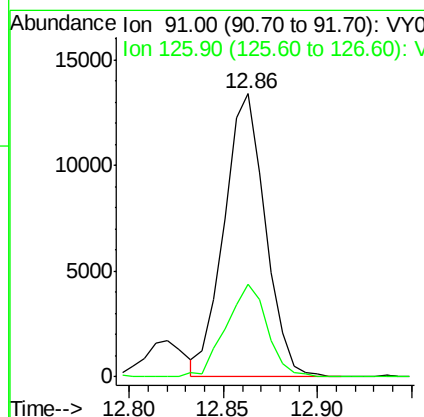
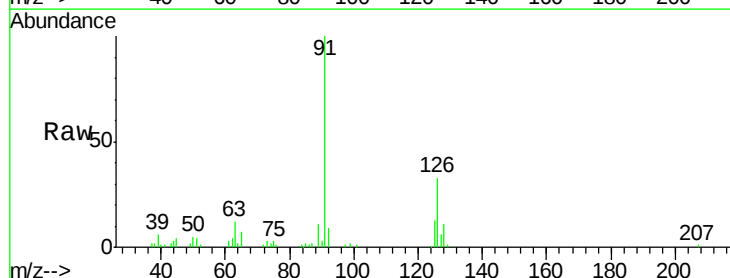
RT: 12.86 min Scan# 1825

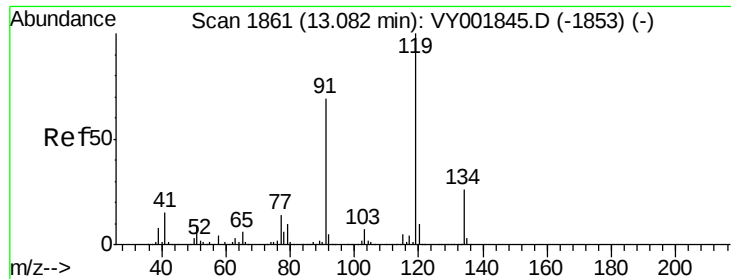
Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Tgt Ion:	91	Resp:	20315
Ion Ratio	Lower	Upper	
91	100		
126	32.6	16.4	49.2





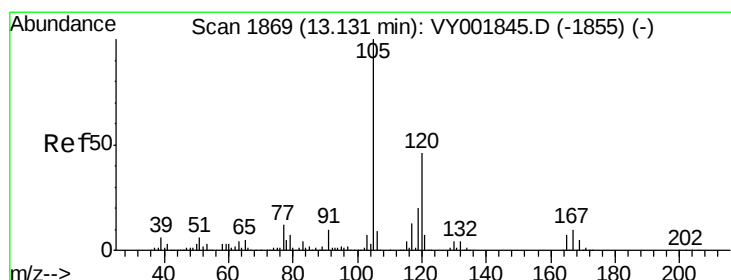
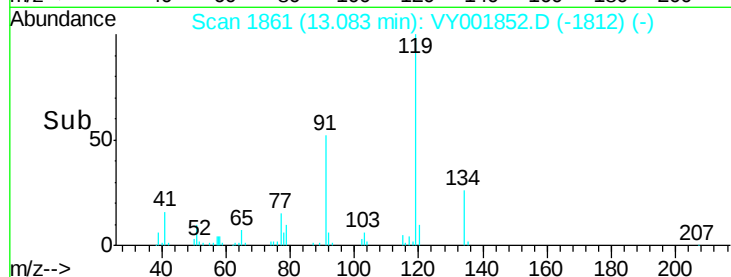
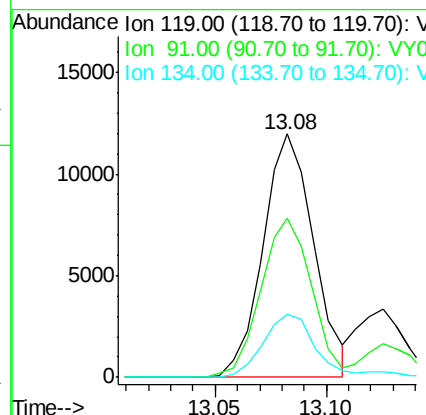
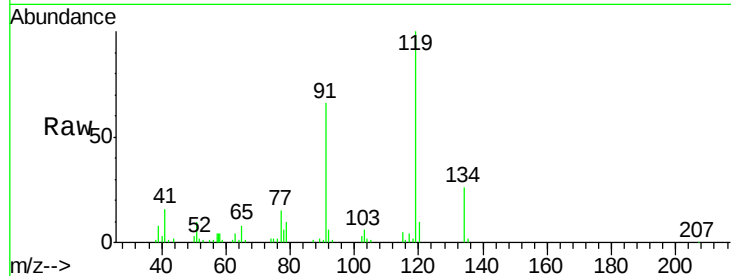
#83
tert-Butylbenzene
Concen: 2.721 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	34.0	101.8
134	26.2	13.5	40.4

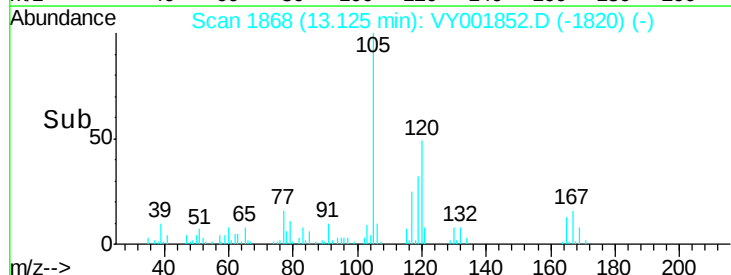
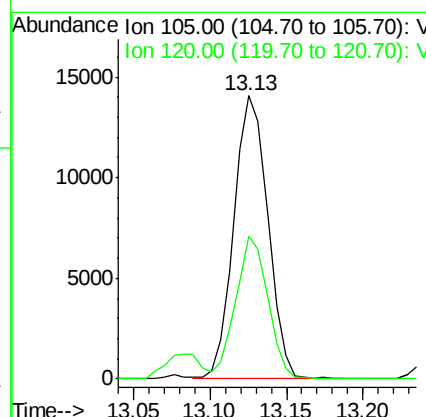
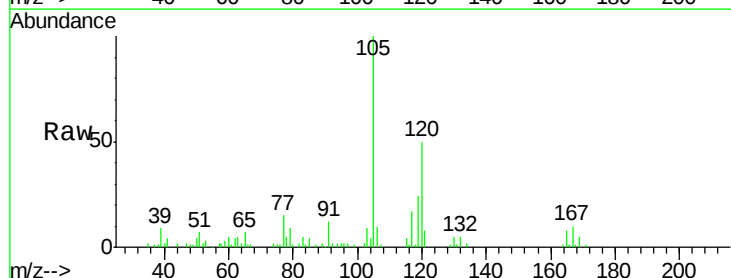
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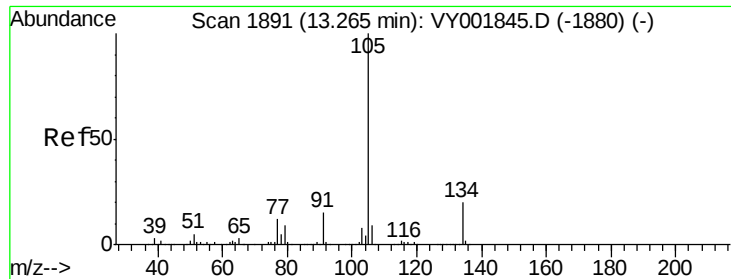
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#84
1,2,4-Trimethylbenzene
Concen: 2.607 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	22.6	67.7





#85

sec-Butylbenzene

Concen: 2.844 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:105 Resp: 29137

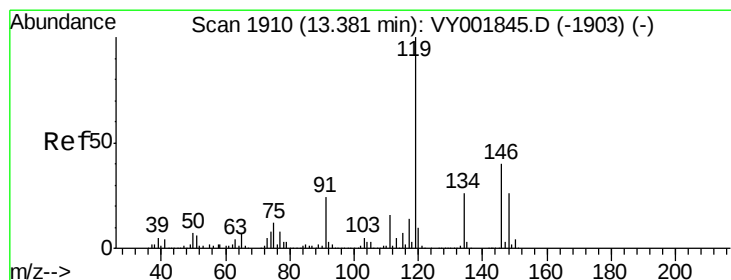
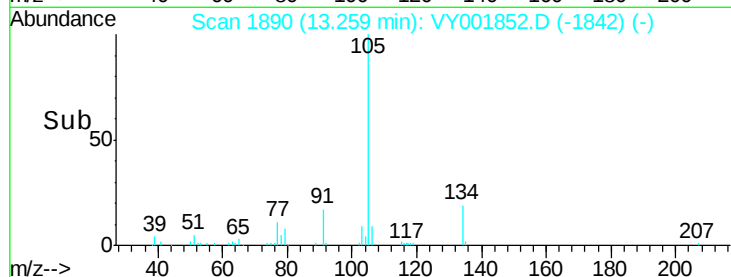
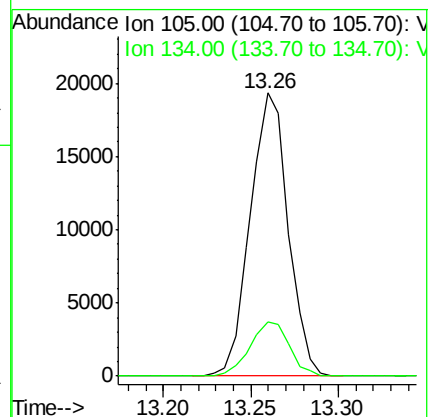
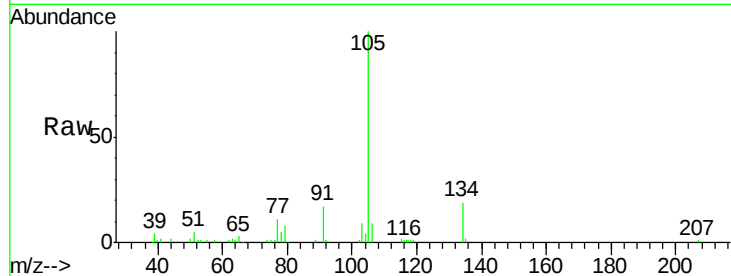
Ion Ratio Lower Upper

105 100

134 19.8 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 2.790 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

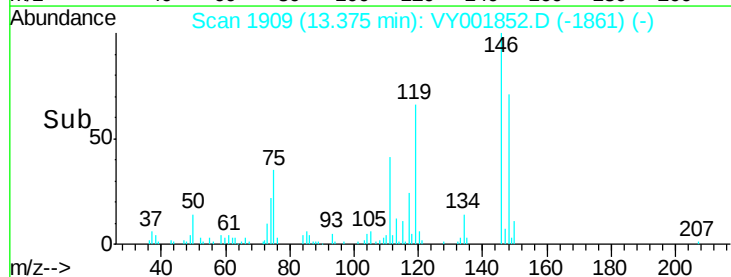
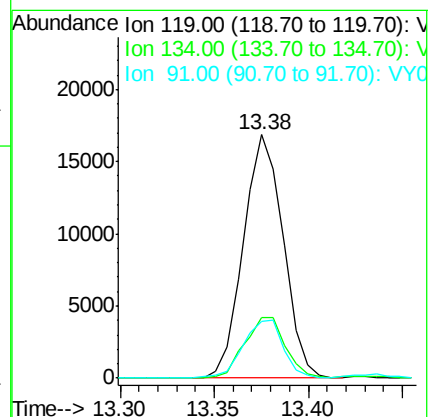
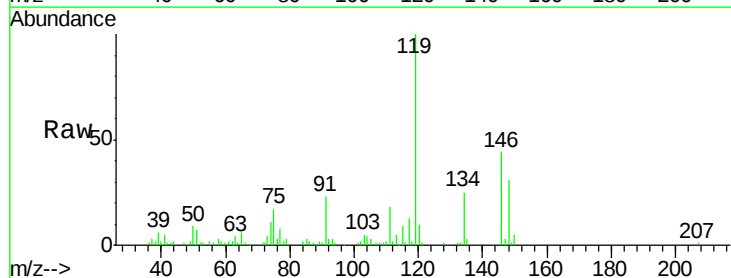
Tgt Ion:119 Resp: 24654

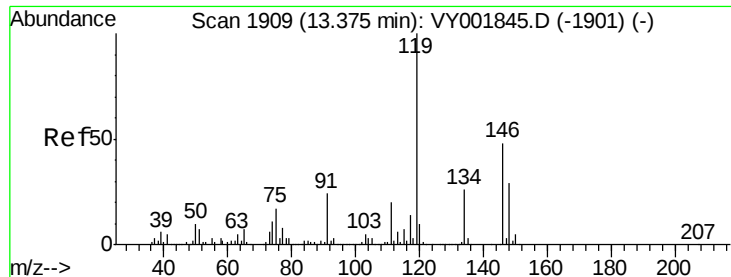
Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

91 24.2 11.9 35.7





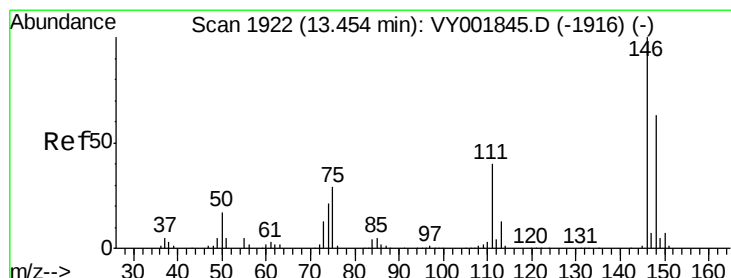
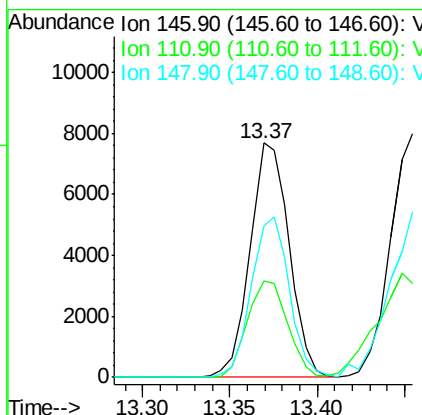
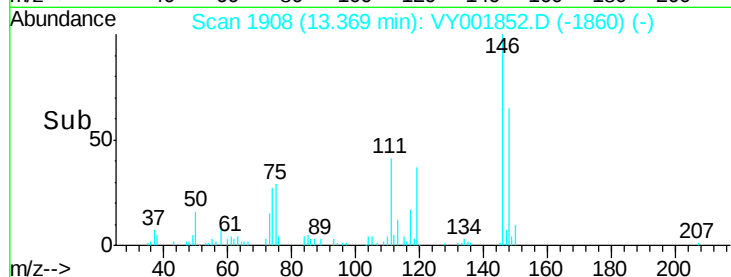
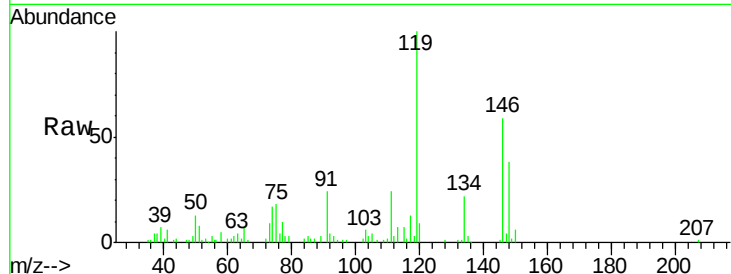
#87
 1,3-Dichlorobenzene
 Concen: 2.852 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

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

Tot Ion:146 Resp: 12035
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.8 62.5
 148 66.6 31.4 94.0

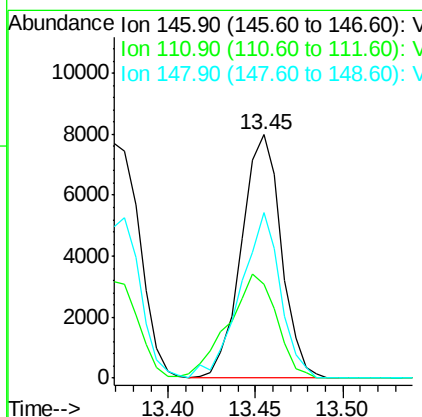
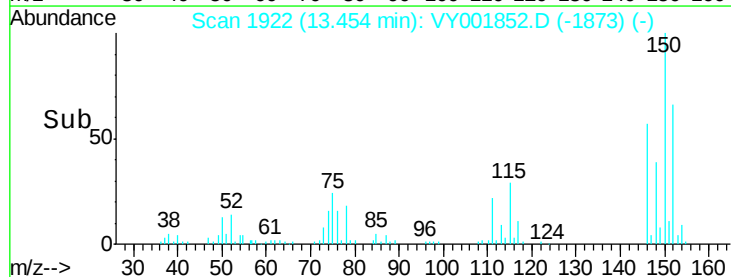
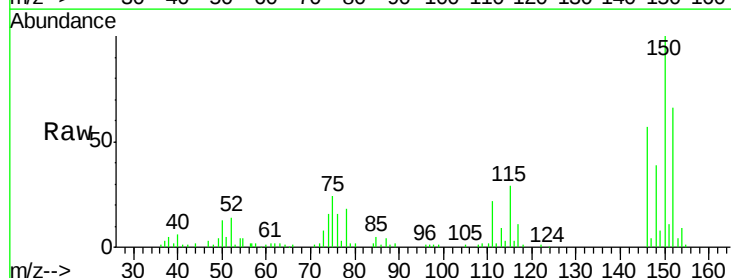
Manual Integrations
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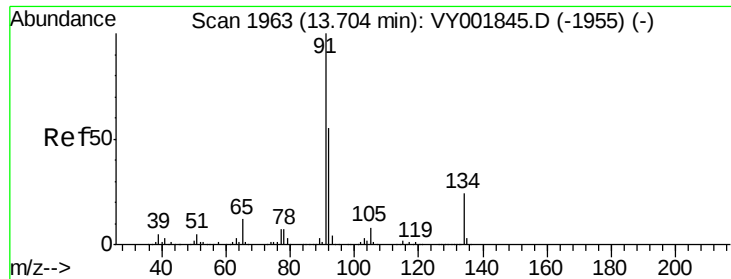
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#88
 1,4-Dichlorobenzene
 Concen: 2.952 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion:146 Resp: 12637
 Ion Ratio Lower Upper
 146 100
 111 51.9 20.0 60.0
 148 68.6 31.5 94.5





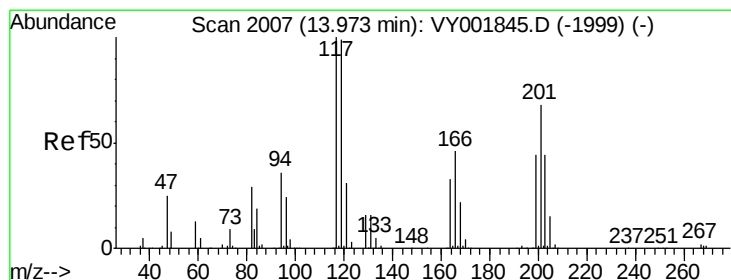
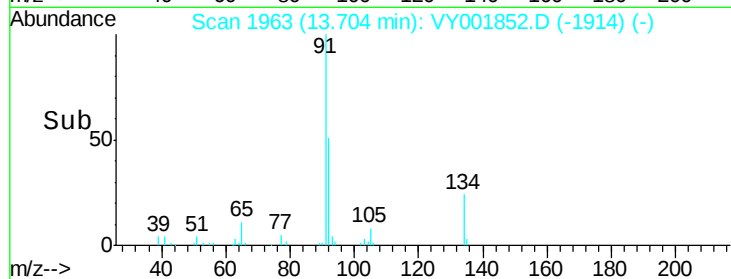
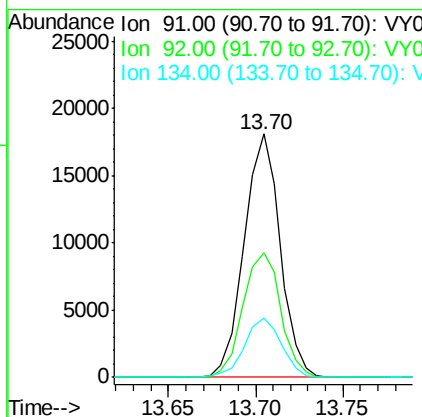
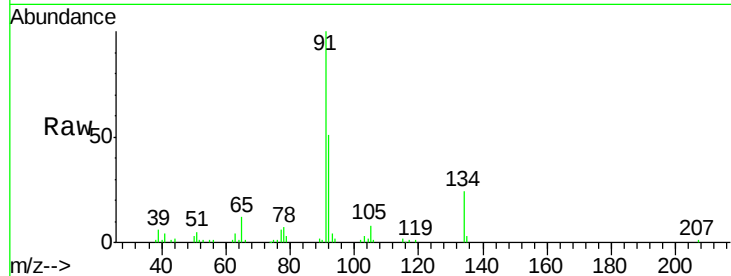
#89
n-Butylbenzene
Concen: 2.817 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.5	82.4
134	25.1	12.5	37.5

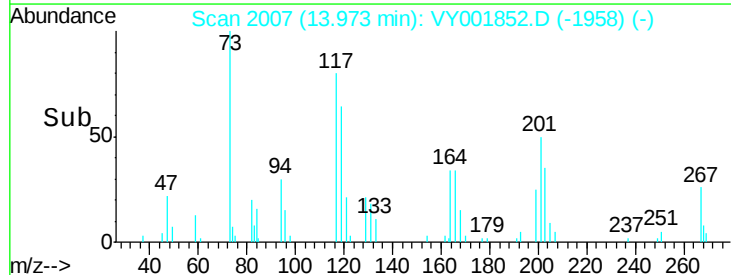
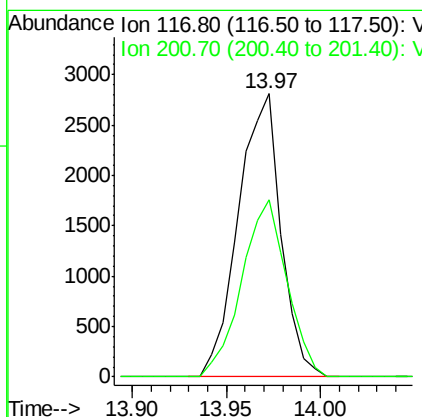
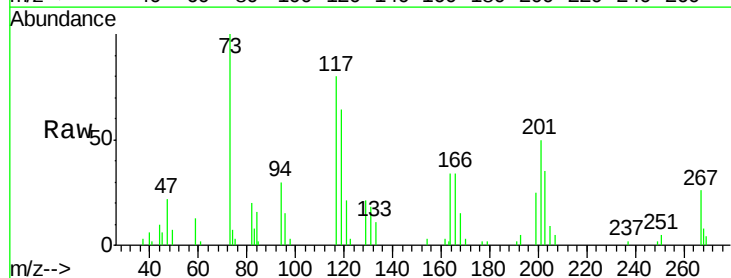
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#90
Hexachloroethane
Concen: 2.638 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.3	32.5	97.5





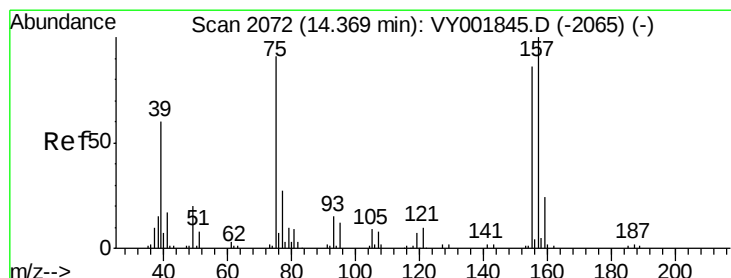
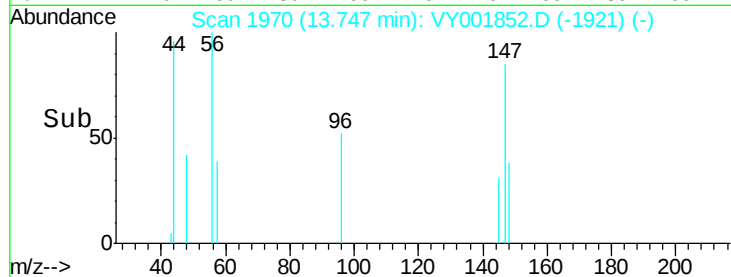
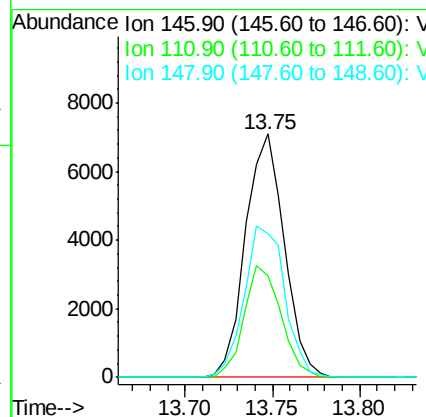
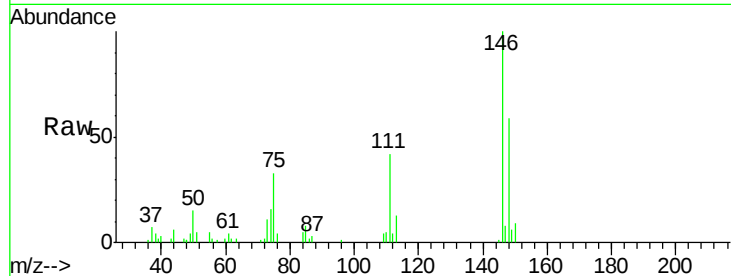
#91
 1,2-Dichlorobenzene
 Concen: 2.863 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.5	64.5
148	64.7	32.0	96.0

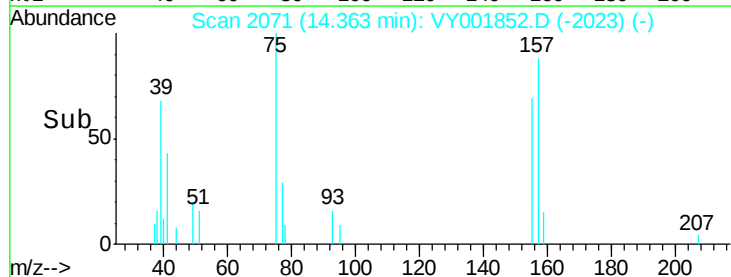
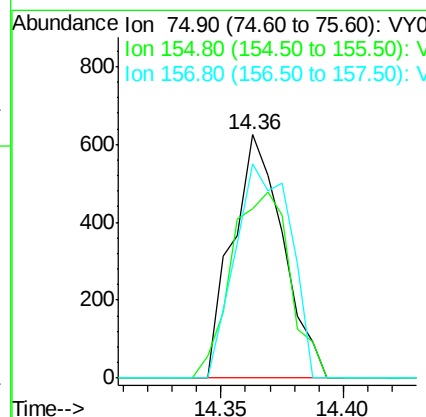
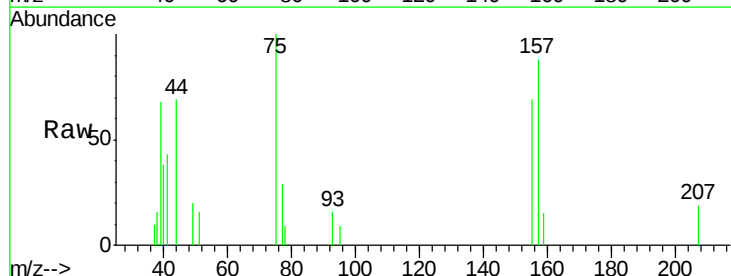
Manual Integrations
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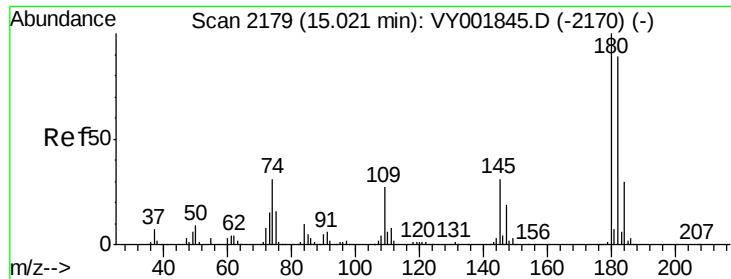
MMDadoda
 3/5/2020 1:37:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.620 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.3	42.9	128.7
157	95.9	53.1	159.4





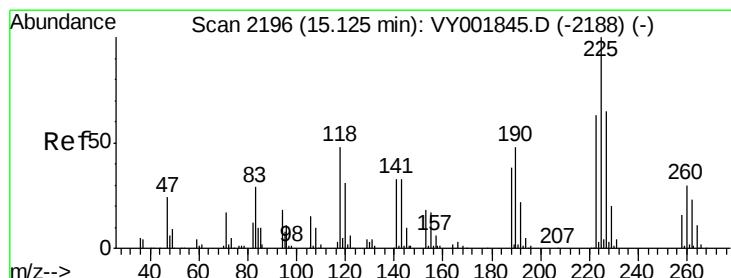
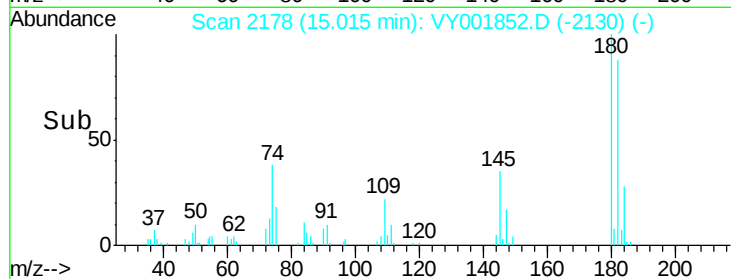
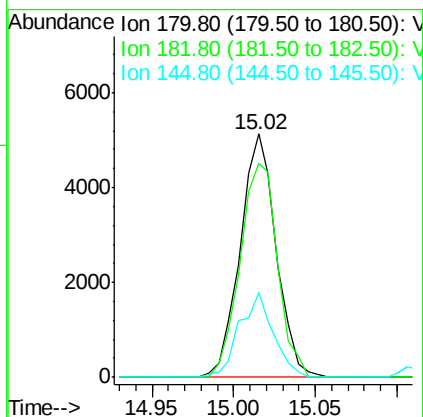
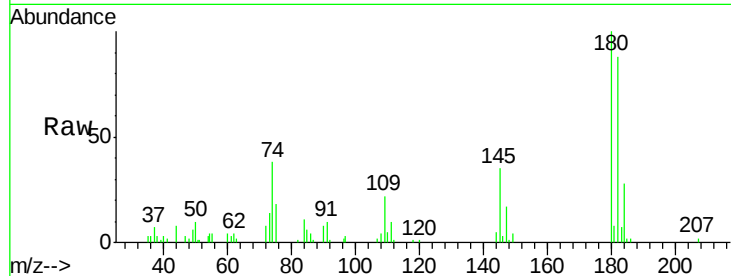
#93
1,2,4-Trichlorobenzene
Concen: 3.164 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.7	46.1	138.3
145	32.9	15.6	46.8

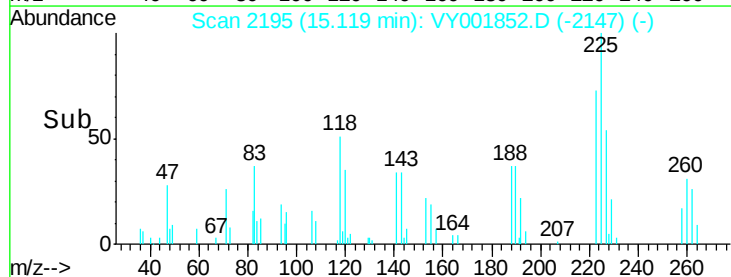
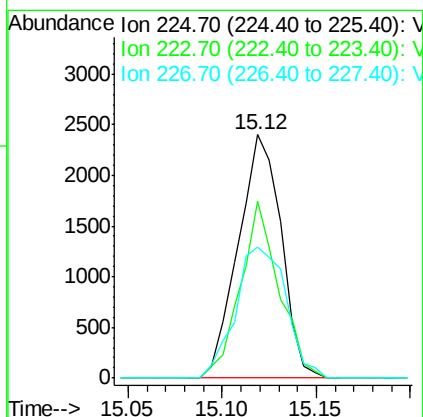
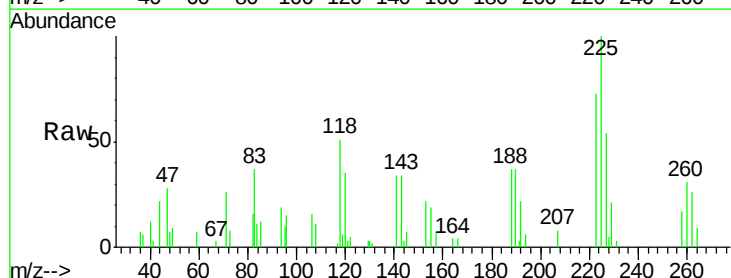
Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:23 PM



#94
Hexachlorobutadiene
Concen: 3.122 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.5	94.5
227	63.7	31.9	95.5





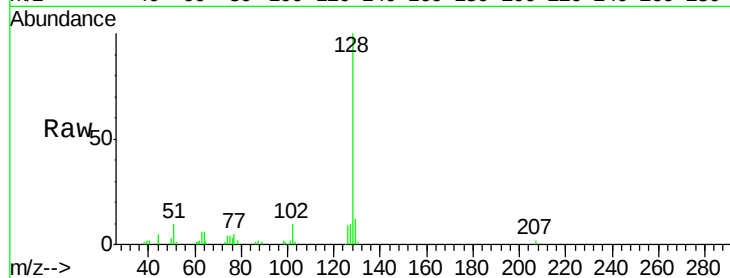
#95
Naphthalene
Concen: 3.050 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

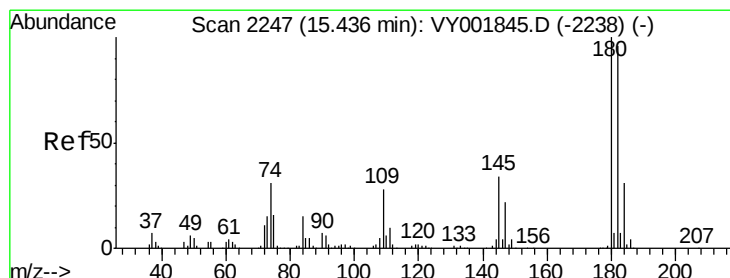
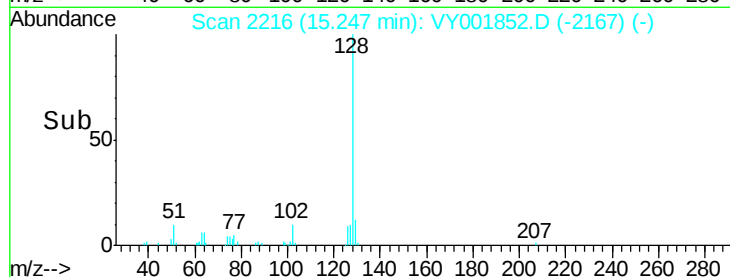
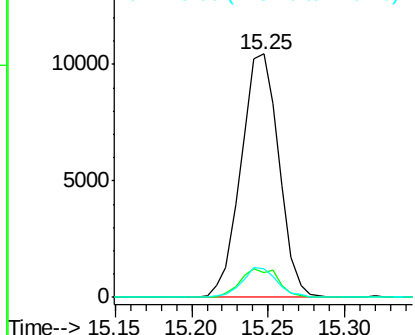
Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.1	15.1
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:23 PM

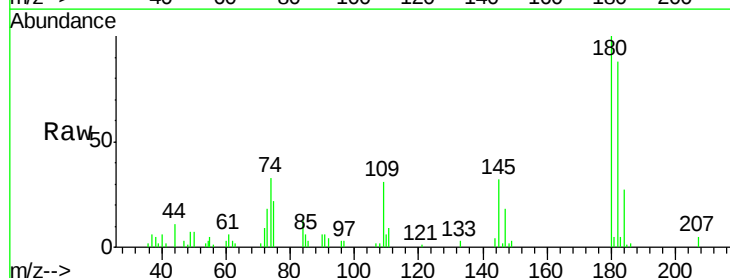


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 3.164 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.6	142.9
145	35.4	16.8	50.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

