

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050620\
 Data File : VY002607.D
 Acq On : 06 May 2020 12:04
 Operator : SY/MD
 Sample : L2182-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:28 AM

Quant Time: May 06 13:03:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 12:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	379539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	561986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	511776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	269070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	170769	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
35) Dibromofluoromethane	7.74	113	179557	55.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.74%	
50) Toluene-d8	10.19	98	697877	55.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.20%	
62) 4-Bromofluorobenzene	12.49	95	240320	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	11744	4.074	ug/l	93
3) Chloromethane	2.13	50	13663	4.443	ug/l	93
4) Vinyl Chloride	2.27	62	15557	4.381	ug/l	99
5) Bromomethane	2.66	94	11079	4.525	ug/l	100
6) Chloroethane	2.82	64	9261	4.368	ug/l	97
7) Trichlorofluoromethane	3.15	101	22946	4.170	ug/l	99
8) Diethyl Ether	3.55	74	8490	4.591	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	14694	4.369	ug/l	99
10) Methyl Iodide	4.12	142	17736	3.871	ug/l	96
11) Tert butyl alcohol	4.99	59	8123	24.741	ug/l #	91
12) 1,1-Dichloroethene	3.90	96	14379	4.401	ug/l	99
13) Acrolein	3.76	56	3910	17.222	ug/l	96
14) Allyl chloride	4.51	41	20506	4.308	ug/l	98
15) Acrylonitrile	5.20	53	18464	21.172	ug/l	100
16) Acetone	3.97	43	13966	21.206	ug/l	96
17) Carbon Disulfide	4.22	76	42165	4.290	ug/l	98
18) Methyl Acetate	4.51	43	11649	5.294	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	35864	4.207	ug/l #	89
20) Methylene Chloride	4.76	84	18825	5.111	ug/l	91
21) trans-1,2-Dichloroethene	5.25	96	16305	4.566	ug/l	93
22) Diisopropyl ether	6.15	45	42505	4.413	ug/l	94
23) Vinyl Acetate	6.10	43	121004	19.975	ug/l	97
24) 1,1-Dichloroethane	6.05	63	24500	4.299	ug/l	97
25) 2-Butanone	7.02	43	23037	21.368	ug/l	98
26) 2,2-Dichloropropane	7.01	77	23924	4.417	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	17457	4.418	ug/l	98
28) Bromochloromethane	7.36	49	10406	4.457	ug/l	98
29) Tetrahydrofuran	7.38	42	15714	22.031	ug/l	98
30) Chloroform	7.53	83	26129	4.410	ug/l	95
31) Cyclohexane	7.81	56	29178	5.087	ug/l #	80
32) 1,1,1-Trichloroethane	7.72	97	22985	4.174	ug/l	99
36) 1,1-Dichloropropene	7.94	75	20667	4.387	ug/l	98
37) Ethyl Acetate	7.10	43	11115	4.591	ug/l	99
38) Carbon Tetrachloride	7.93	117	21201	4.122	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	26850	4.315	ug/l	98
40) Benzene	8.18	78	59776	4.393	ug/l	100
41) Methacrylonitrile	7.36	41	8340m	6.407	ug/l	
42) 1,2-Dichloroethane	8.26	62	17182	4.502	ug/l	99
43) Isopropyl Acetate	8.29	43	18993	4.185	ug/l	97
44) Trichloroethene	8.96	130	19125	4.497	ug/l	88
45) 1,2-Dichloropropane	9.24	63	13989	4.260	ug/l	98
46) Dibromomethane	9.32	93	8163	4.320	ug/l	96
47) Bromodichloromethane	9.52	83	18948	4.124	ug/l	97
48) Methyl methacrylate	9.31	41	8714	4.242	ug/l	94
49) 1,4-Dioxane	9.32	88	2271	90.778	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	50492	21.584	ug/l	100
52) Toluene	10.25	92	38052	4.351	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	20113	4.178	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	23282	4.184	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	11773	4.273	ug/l	96
56) Ethyl methacrylate	10.52	69	14697	4.010	ug/l	94
57) 1,3-Dichloropropane	10.80	76	20018	4.284	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.80	63	43217	22.357	ug/l	100
59) 2-Hexanone	10.85	43	33324	20.697	ug/l	98
60) Dibromochloromethane	11.00	129	14395	4.108	ug/l	100
61) 1,2-Dibromoethane	11.10	107	11740	4.303	ug/l	99
64) Tetrachloroethene	10.73	164	21874	4.811	ug/l	98
65) Chlorobenzene	11.53	112	41943	4.311	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	15168	4.200	ug/l	99
67) Ethyl Benzene	11.60	91	72805	4.260	ug/l	97
68) m/p-Xylenes	11.71	106	55408	8.380	ug/l	96
69) o-Xylene	12.04	106	26007	4.201	ug/l	99
70) Styrene	12.05	104	43504	4.110	ug/l	99
71) Bromoform	12.22	173	9313	4.155	ug/l #	100
73) Isopropylbenzene	12.34	105	73798	4.232	ug/l	99
74) N-amyl acetate	12.16	43	17267	4.116	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.60	83	10742	3.873	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	9373m	3.920	ug/l	
77) Bromobenzene	12.62	156	18475	4.241	ug/l	100
78) n-propylbenzene	12.68	91	85582	4.229	ug/l	100
79) 2-Chlorotoluene	12.77	91	48073	4.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	59583	4.122	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	4869	4.083	ug/l	94
82) 4-Chlorotoluene	12.86	91	49608	4.213	ug/l	99
83) tert-Butylbenzene	13.08	119	54482	4.299	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	60943	4.230	ug/l	100
85) sec-Butylbenzene	13.27	105	74818	4.254	ug/l	100
86) p-Isopropyltoluene	13.38	119	69710	4.230	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	35453	4.299	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	35510	4.349	ug/l	92
89) n-Butylbenzene	13.70	91	64397	4.293	ug/l	98
90) Hexachloroethane	13.97	117	12405	4.134	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	32052	4.356	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	2285	4.420	ug/l	90

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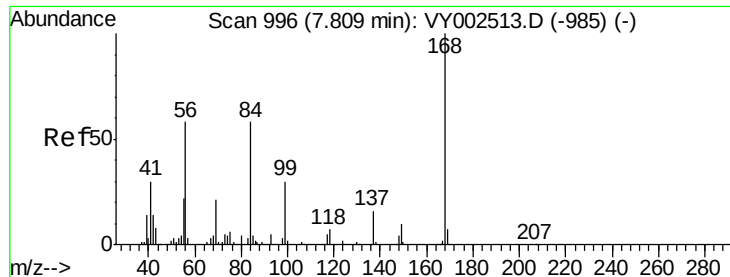
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	23337	4.369	ug/l	98
94) Hexachlorobutadiene	15.13	225	14413	4.495	ug/l	97
95) Naphthalene	15.25	128	42253	4.336	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	19803	4.367	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:168 Resp: 379539

Ion Ratio Lower Upper

168 100

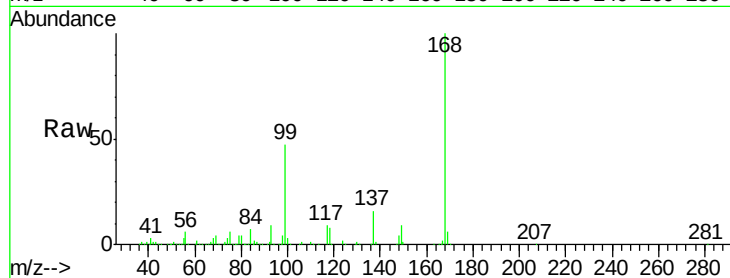
99 47.3 39.2 58.8

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Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.82

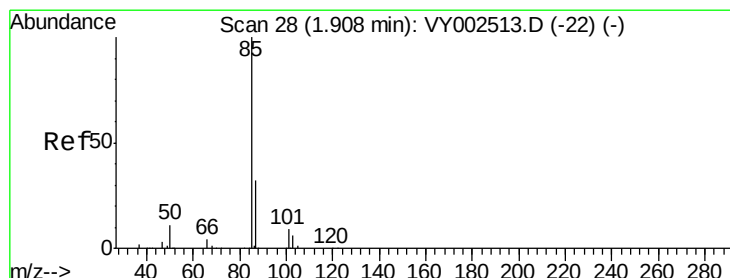
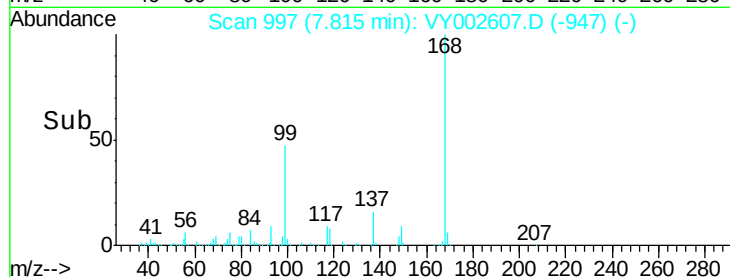
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.074 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002607.D

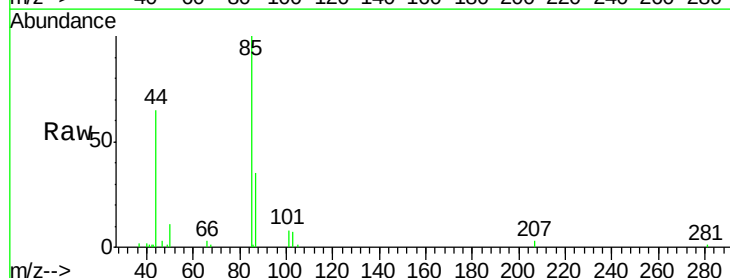
Acq: 06 May 2020 12:04

Tgt Ion: 85 Resp: 11744

Ion Ratio Lower Upper

85 100

87 35.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

8000

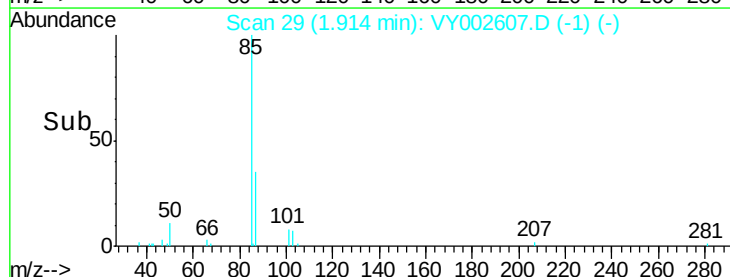
6000

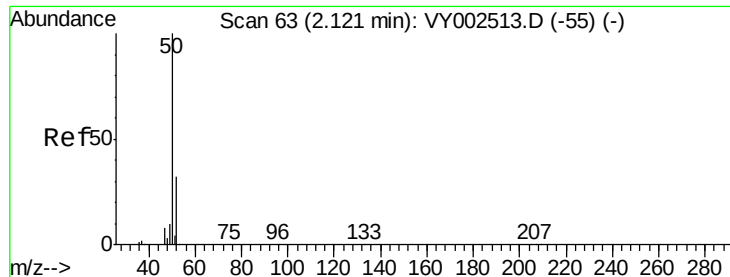
4000

2000

0

Time-->





#3

Chloromethane

Concen: 4.443 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 50 Resp: 13663

Ion Ratio Lower Upper

50 100

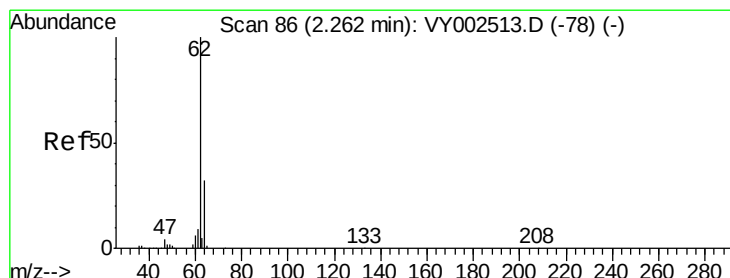
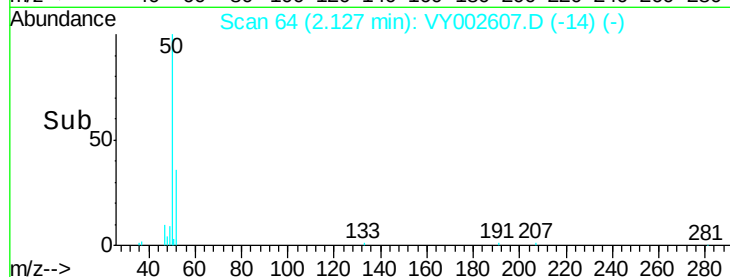
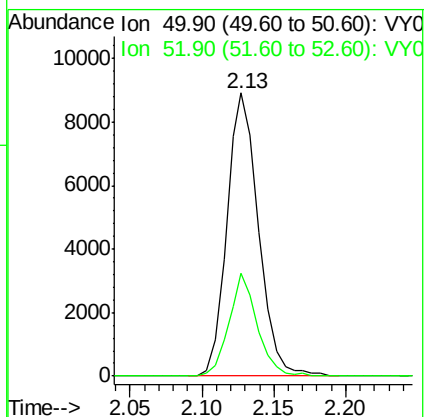
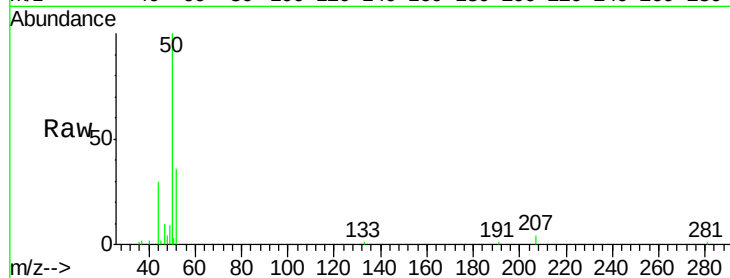
52 36.2 25.9 38.9

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#4

Vinyl Chloride

Concen: 4.381 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002607.D

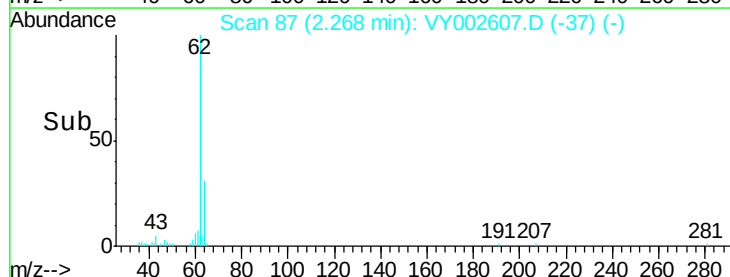
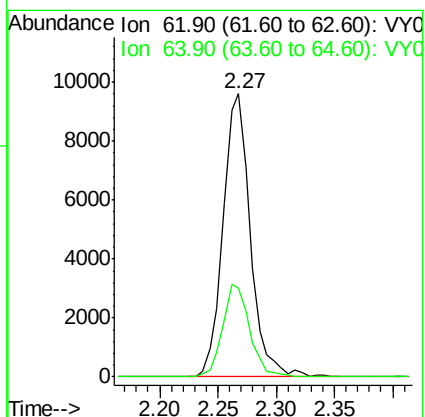
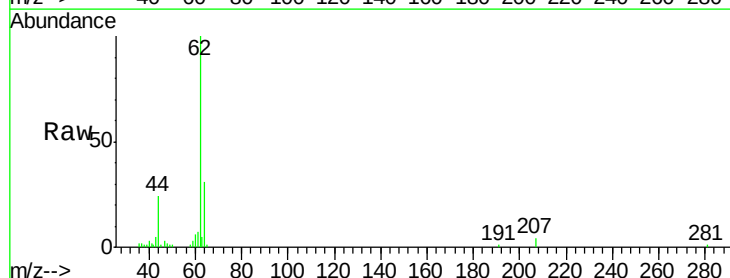
Acq: 06 May 2020 12:04

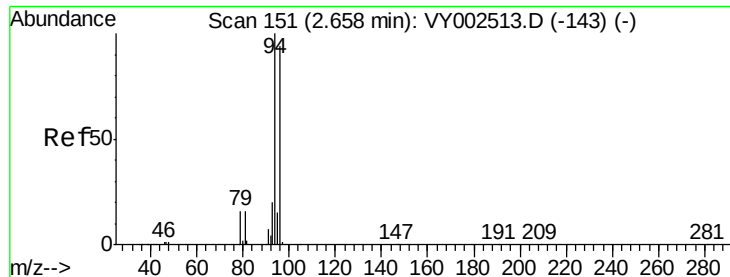
Tgt Ion: 62 Resp: 15557

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 4.525 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 94 Resp: 11079

Ion Ratio Lower Upper

94 100

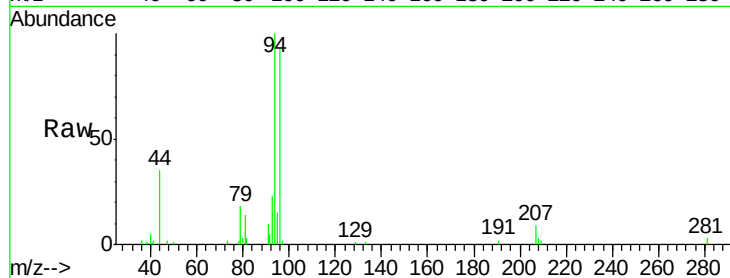
96 93.5 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

5000

4000

3000

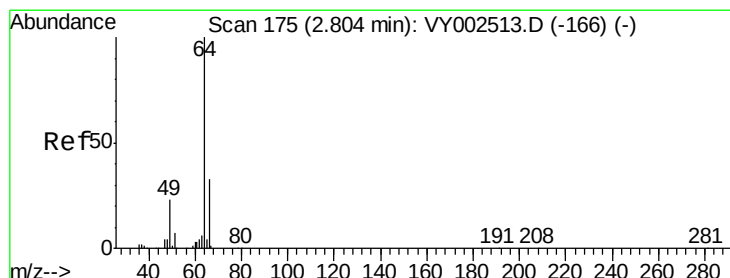
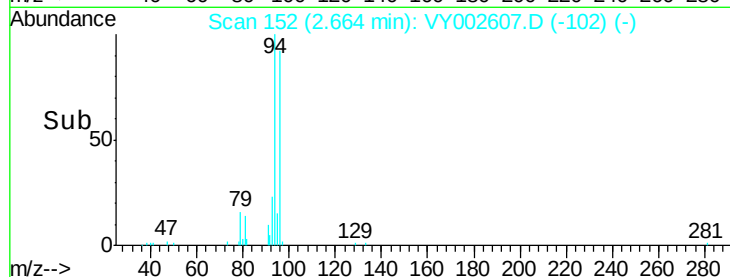
2000

1000

0

2.60 2.65 2.70 2.75 2.80

Time-->



#6

Chloroethane

Concen: 4.368 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY002607.D

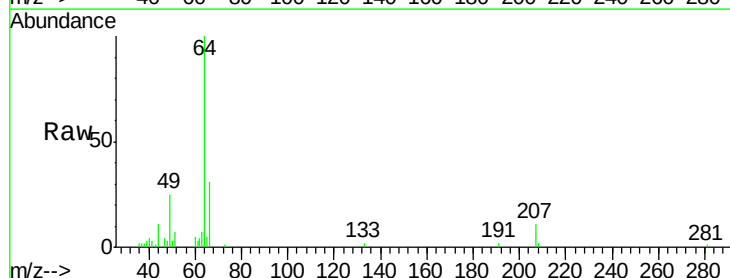
Acq: 06 May 2020 12:04

Tgt Ion: 64 Resp: 9261

Ion Ratio Lower Upper

64 100

66 31.0 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.82

5000

4000

3000

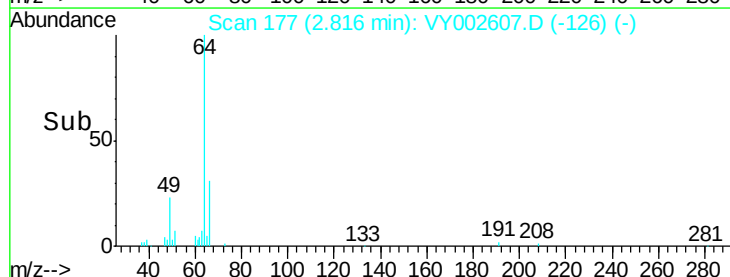
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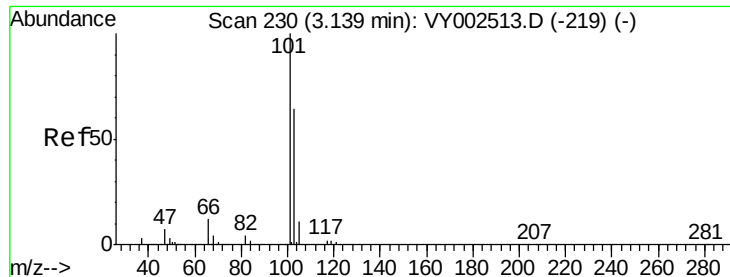
1000

0

2.75 2.80 2.85 2.90

Time-->





#7

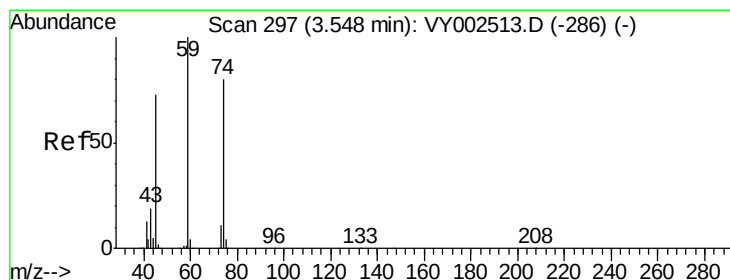
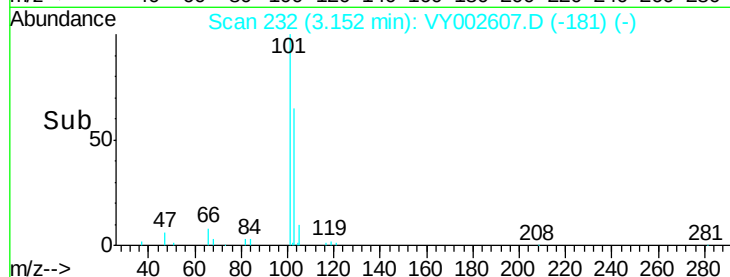
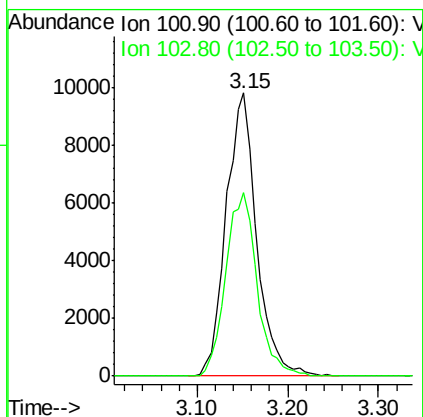
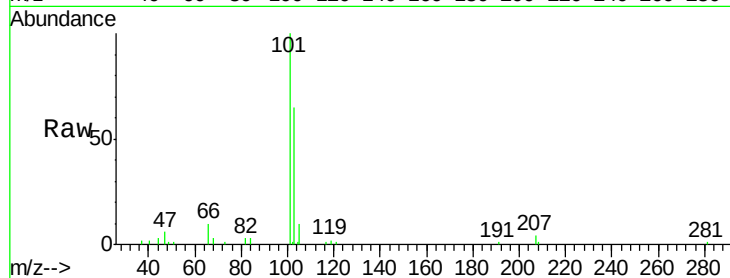
Trichlorofluoromethane
Concen: 4.170 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY002607.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.4	77.0

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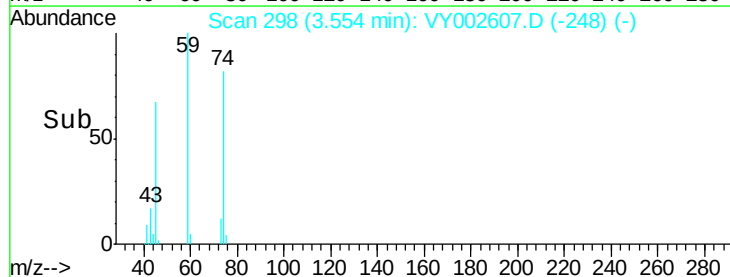
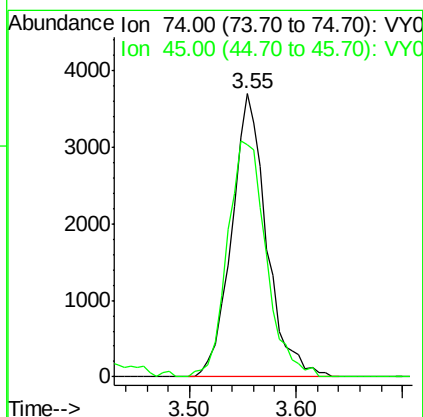
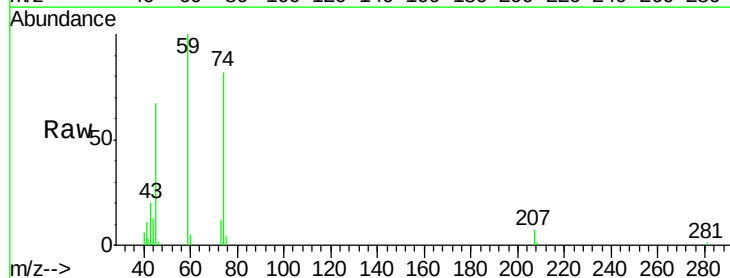
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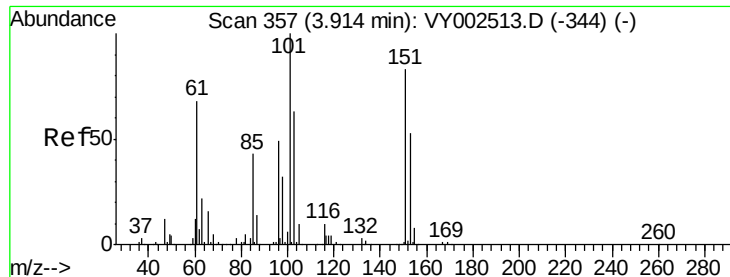


#8

Diethyl Ether
Concen: 4.591 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.6	46.2	138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.369 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

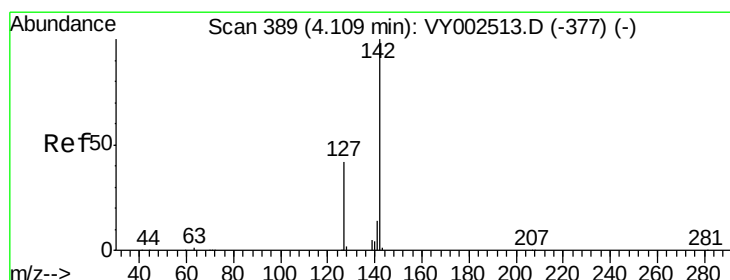
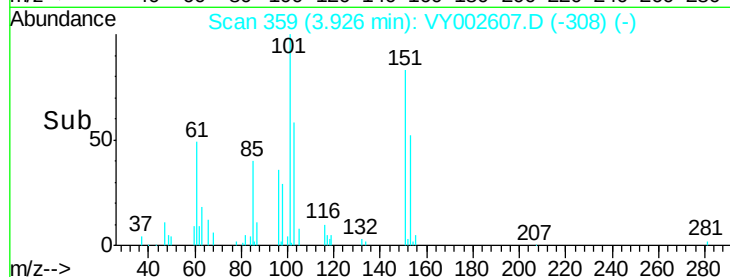
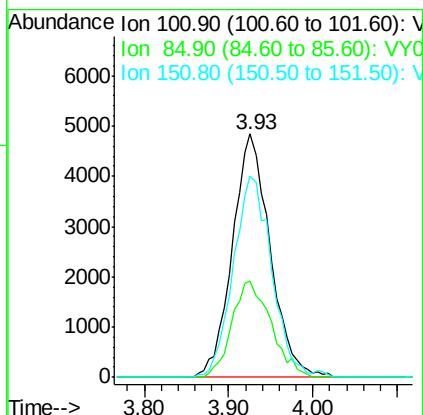
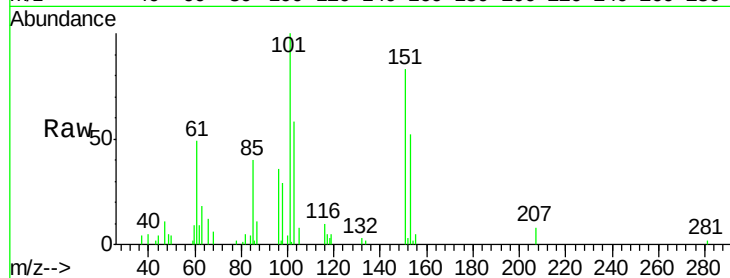
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	101	Resp:	14694
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.4	50.2
151	83.6	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 3.871 ug/l

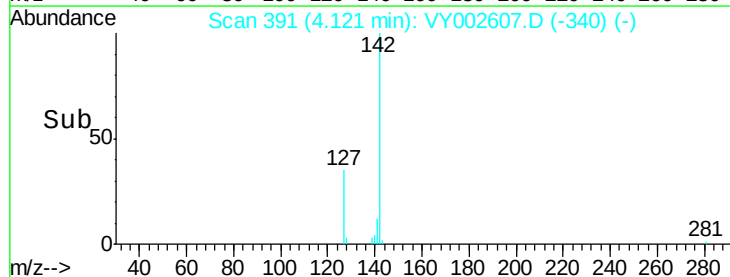
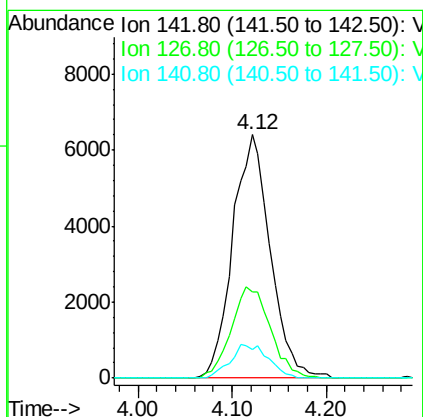
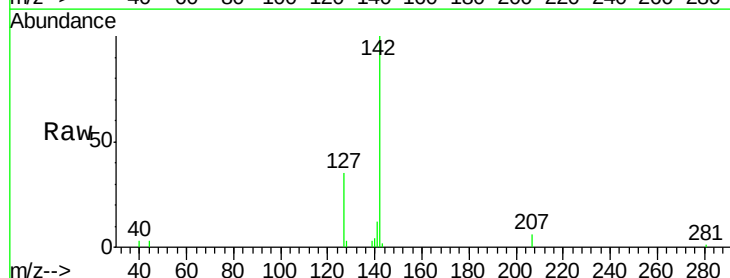
RT: 4.12 min Scan# 391

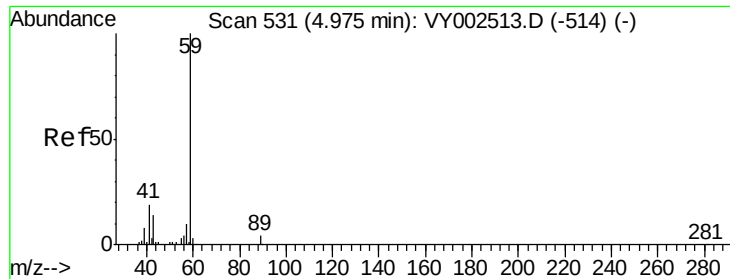
Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Tgt Ion:	142	Resp:	17736
Ion Ratio	Lower	Upper	
142	100		
127	39.2	33.7	50.5
141	13.9	11.4	17.0





#11

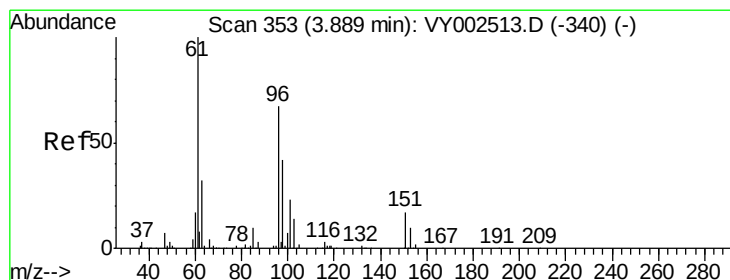
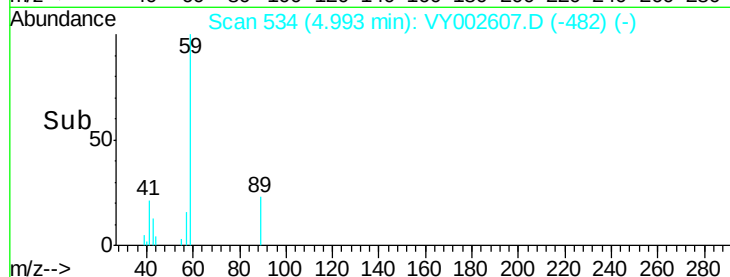
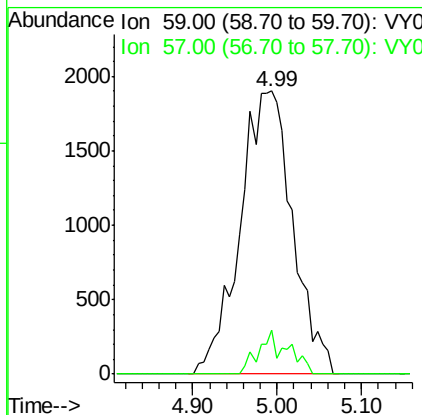
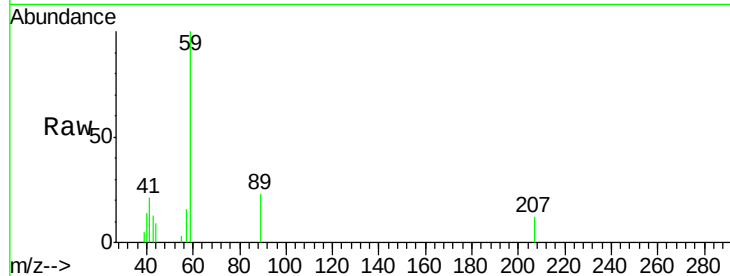
Tert butyl alcohol
 Concen: 24.741 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.5	7.8	11.6#

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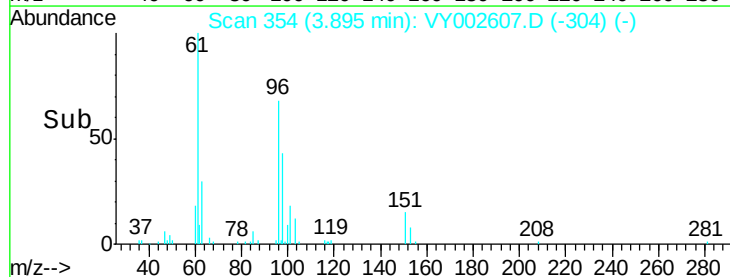
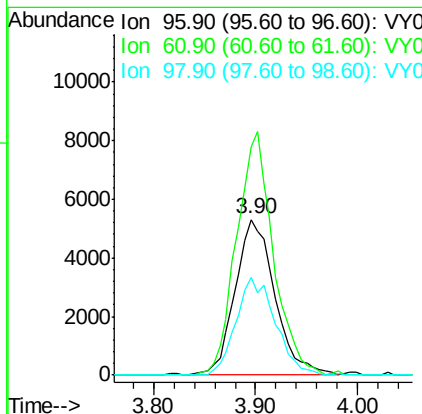
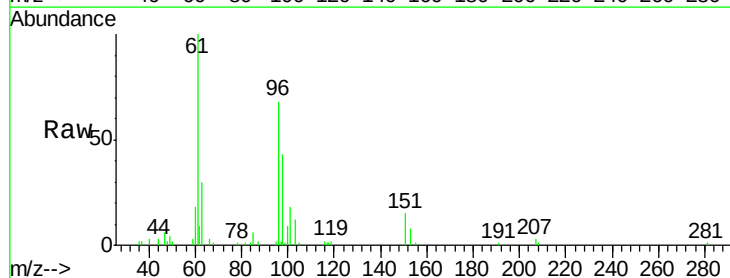
MMDadoda
 5/7/2020 10:35:28 AM

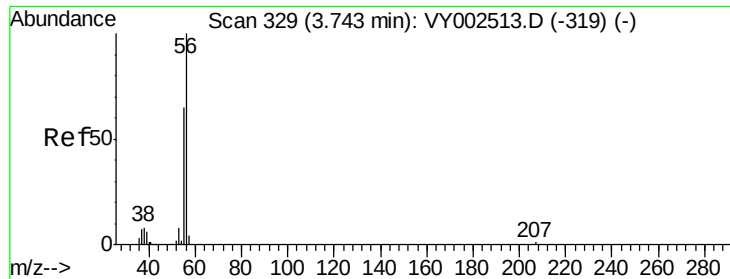


#12

1,1-Dichloroethene
 Concen: 4.401 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.8	118.8	178.2
98	62.7	49.6	74.4





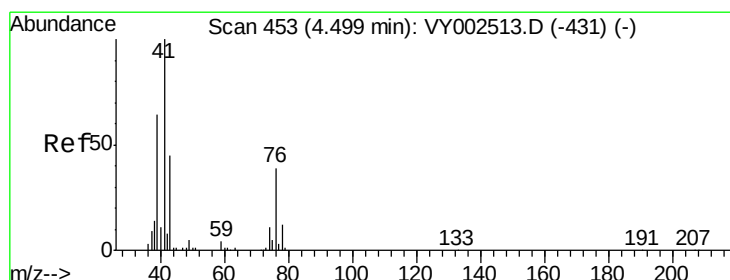
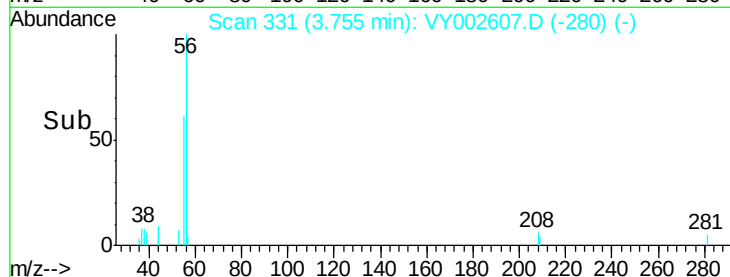
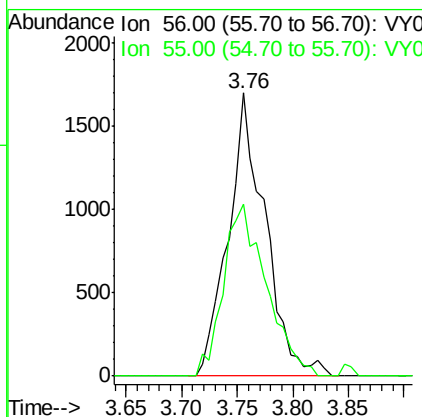
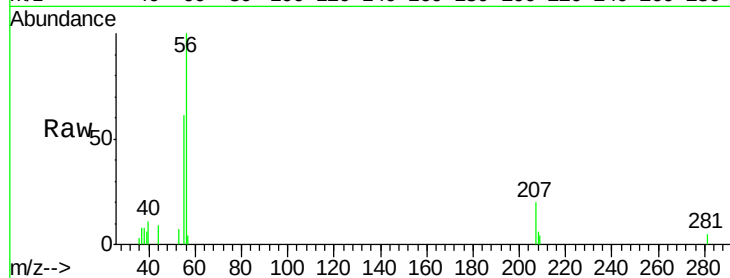
#13
 Acrolein
 Concen: 17.222 ug/l
 RT: 3.76 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.5	53.8	80.6

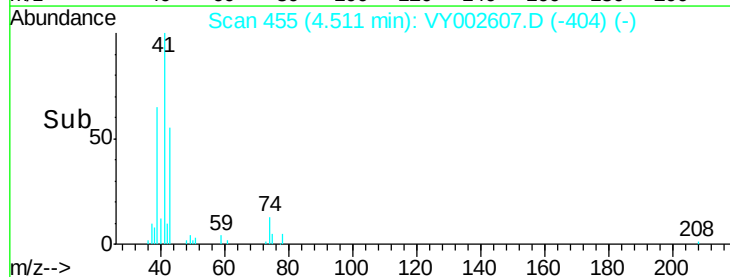
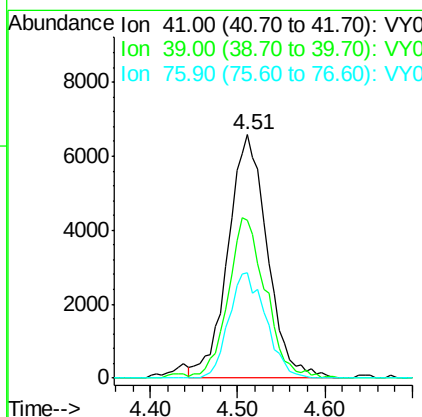
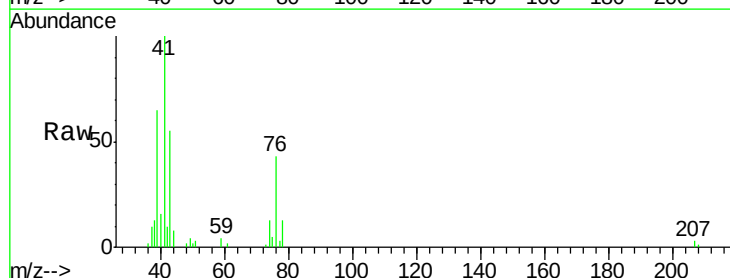
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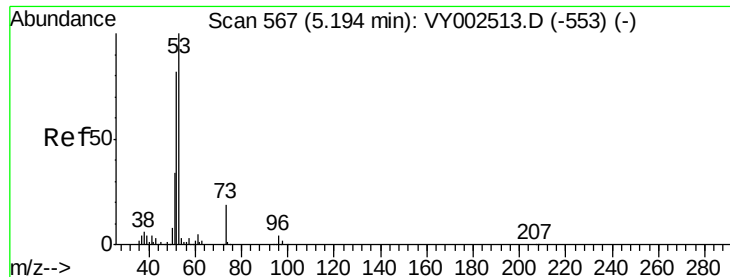
MMDadoda
 5/7/2020 10:35:28 AM



#14
 Allyl chloride
 Concen: 4.308 ug/l
 RT: 4.51 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.3	51.8	77.6
76	40.8	31.7	47.5





#15

Acrylonitrile

Concen: 21.172 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

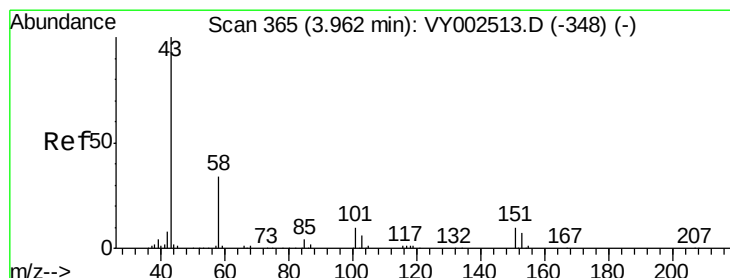
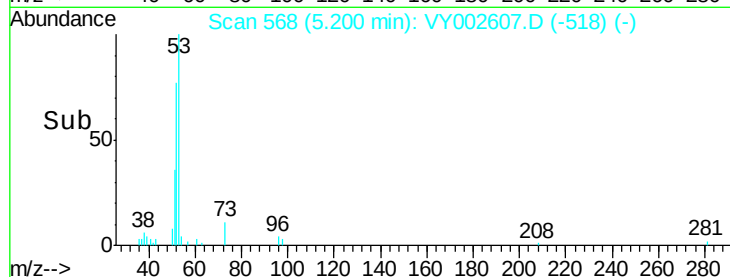
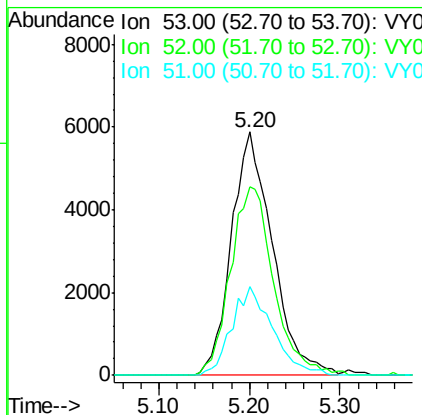
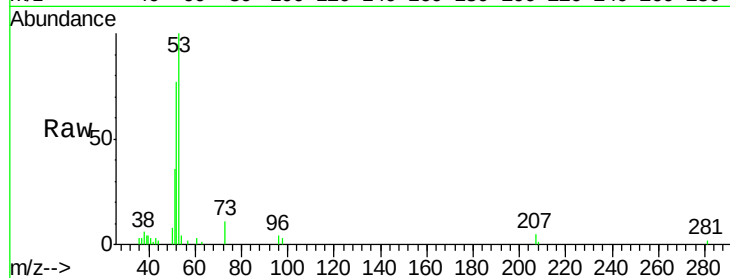
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	53	Resp:	18464
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.4	98.0
51	36.3	28.7	43.1

Manual Integrations
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MMDadoda
5/7/2020 10:35:28 AM



#16

Acetone

Concen: 21.206 ug/l

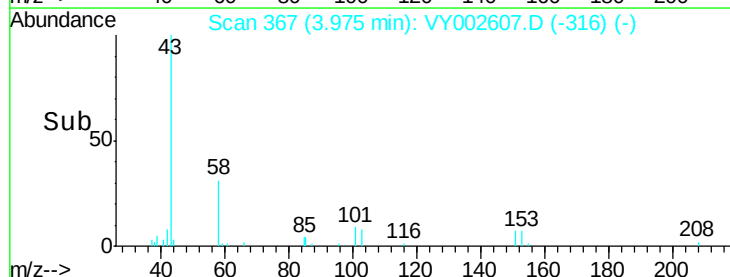
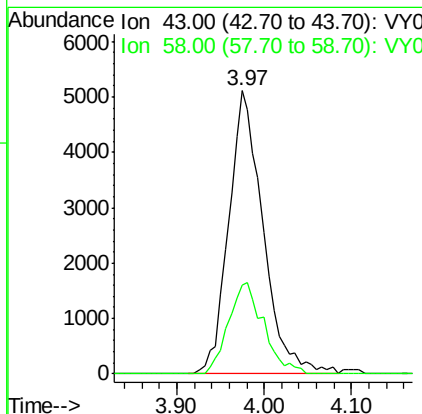
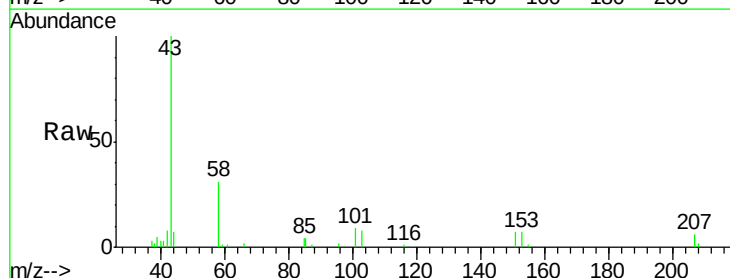
RT: 3.97 min Scan# 367

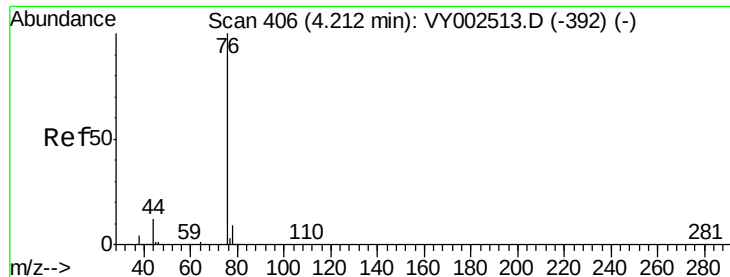
Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Tgt Ion:	43	Resp:	13966
Ion	Ratio	Lower	Upper
43	100		
58	31.2	26.9	40.3





#17

Carbon Disulfide

Concen: 4.290 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 76 Resp: 42165

Ion Ratio Lower Upper

76 100

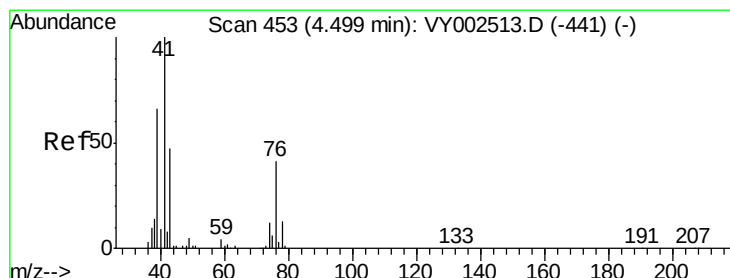
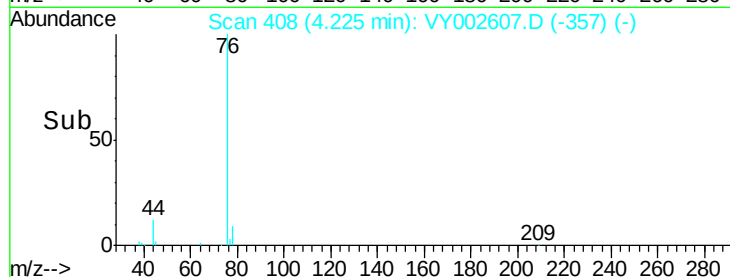
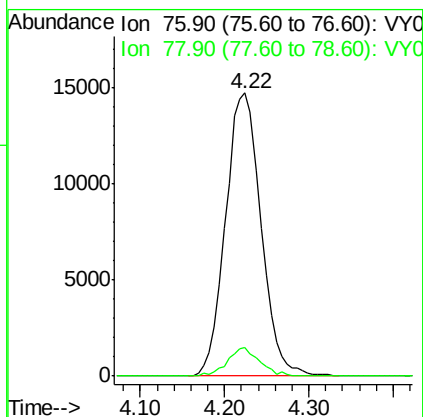
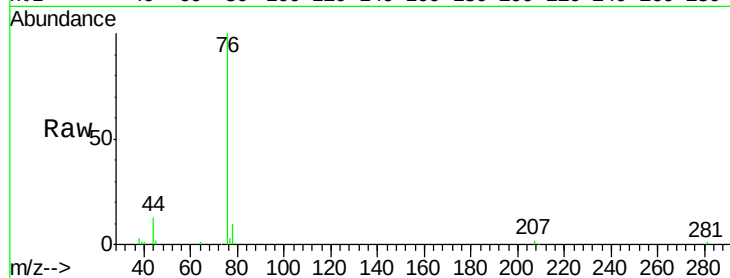
78 10.0 7.4 11.2

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#18

Methyl Acetate

Concen: 5.294 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002607.D

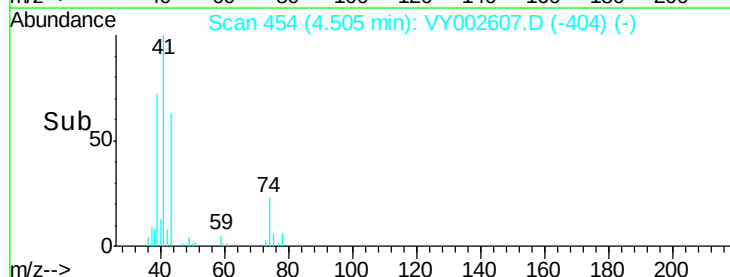
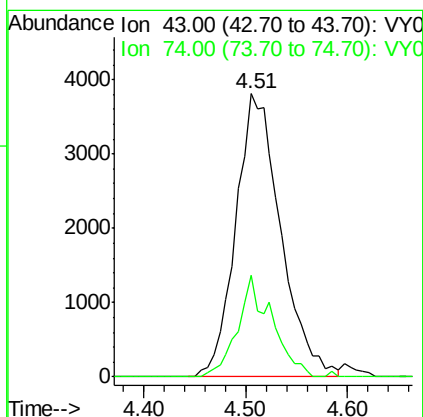
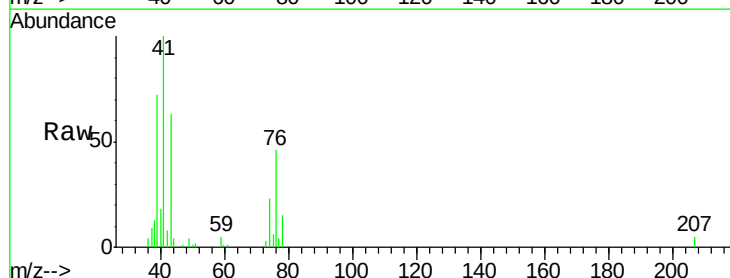
Acq: 06 May 2020 12:04

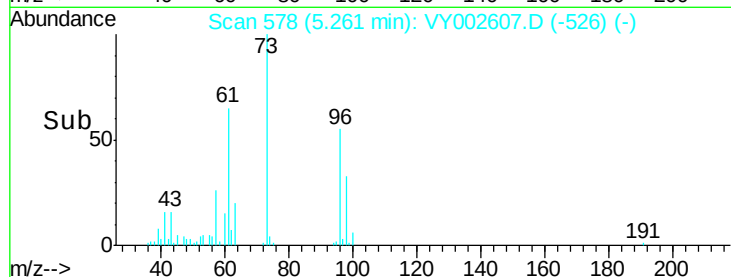
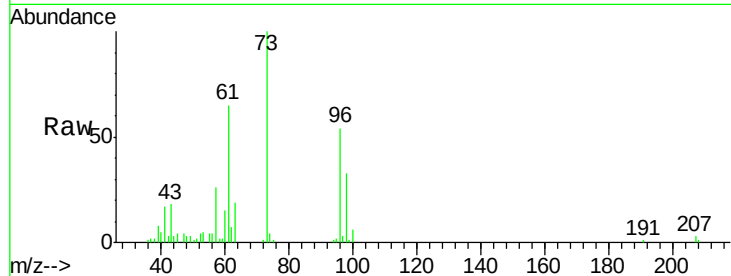
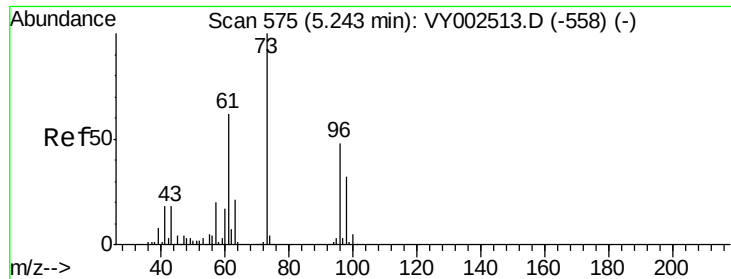
Tgt Ion: 43 Resp: 11649

Ion Ratio Lower Upper

43 100

74 27.4 21.2 31.8





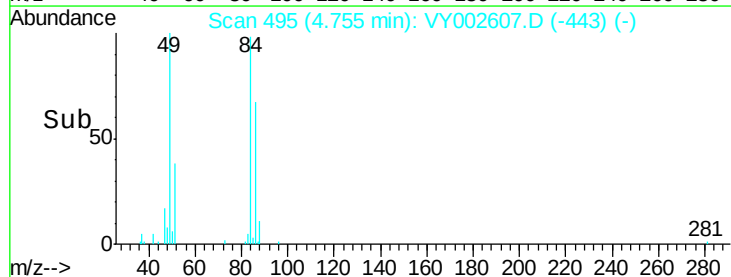
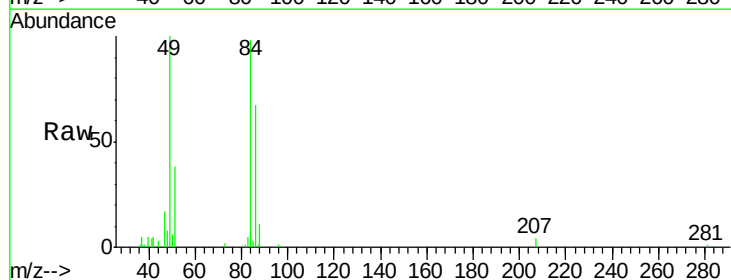
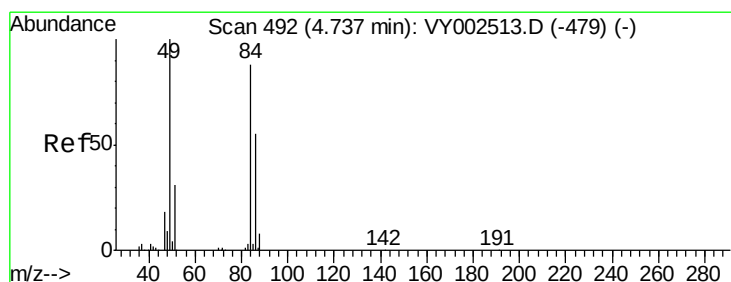
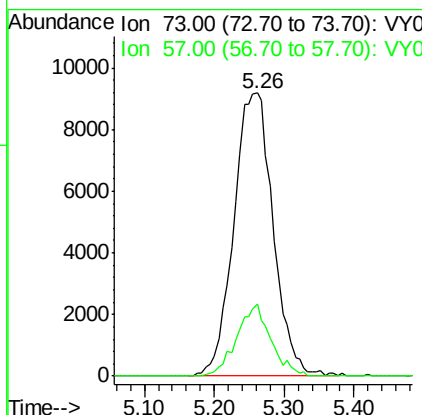
#19
Methyl tert-butyl Ether
Concen: 4.207 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.02 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tot Ion: 73 Resp: 35864
Ion Ratio Lower Upper
73 100
57 25.5 16.3 24.5#

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

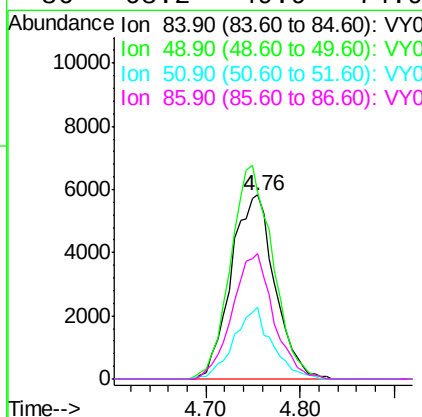
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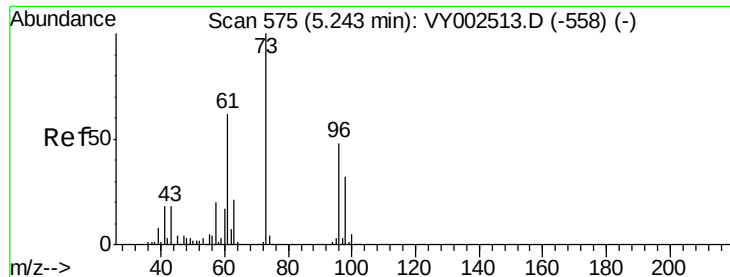
MMDadoda
5/7/2020 10:35:28 AM



#20
Methylene Chloride
Concen: 5.111 ug/l
RT: 4.76 min Scan# 495
Delta R.T. 0.02 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion: 84 Resp: 18825
Ion Ratio Lower Upper
84 100
49 102.0 90.5 135.7
51 38.7 28.3 42.5
86 68.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 4.566 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

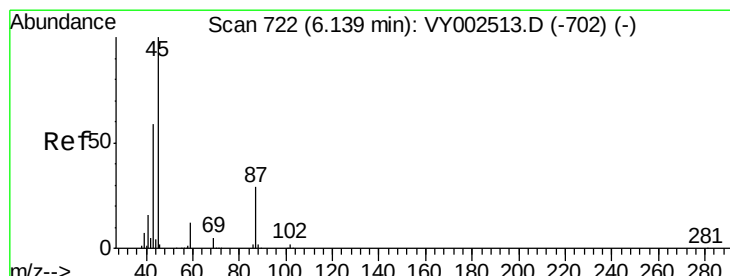
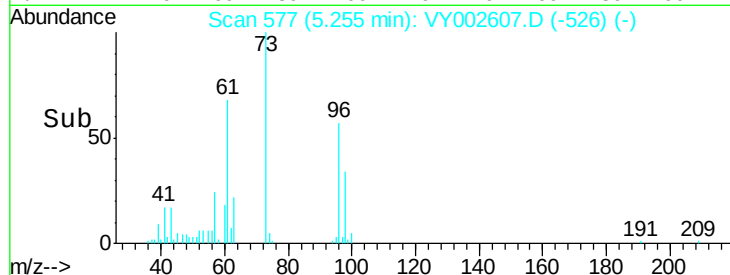
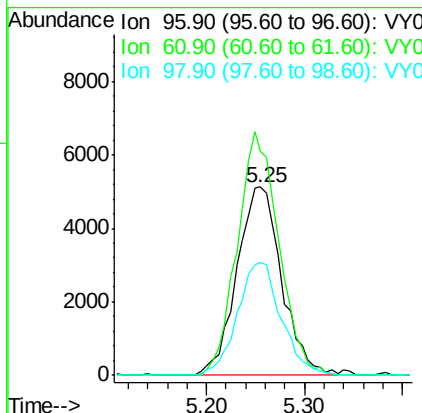
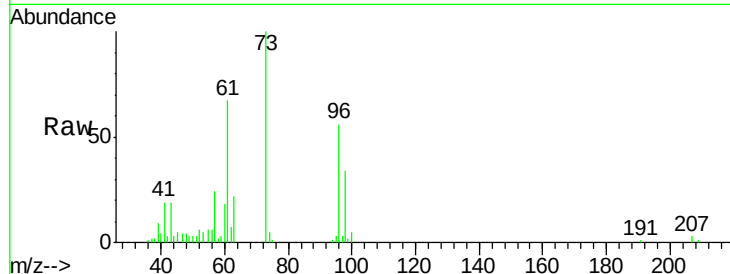
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	96	Resp:	16305
Ion	Ratio	Lower	Upper
96	100		
61	119.3	102.0	153.0
98	59.9	53.0	79.4

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#22

Diisopropyl ether

Concen: 4.413 ug/l

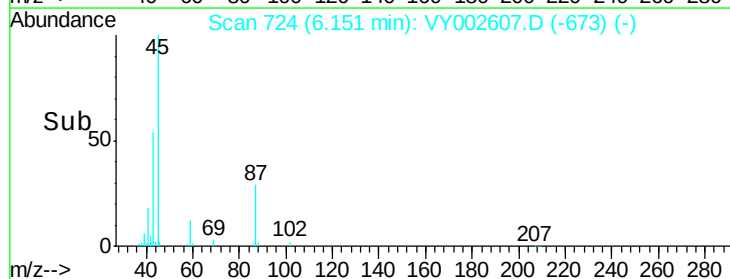
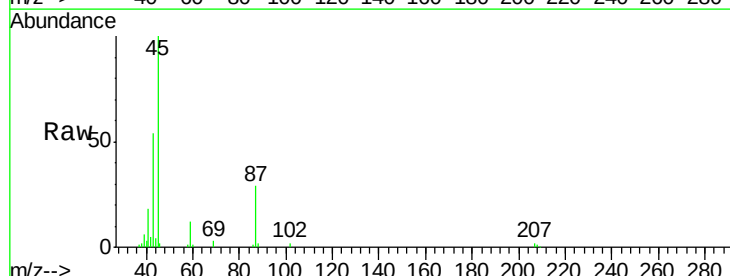
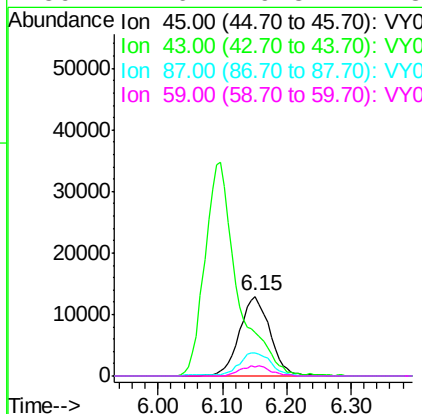
RT: 6.15 min Scan# 724

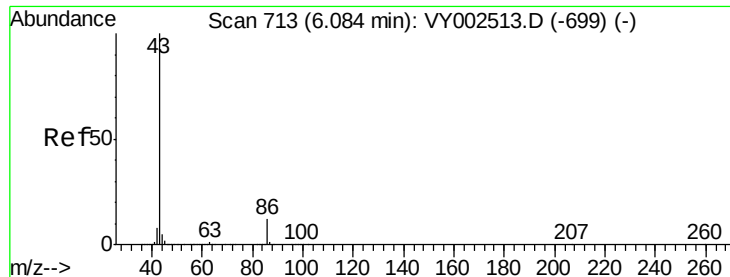
Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Tgt Ion:	45	Resp:	42505
Ion	Ratio	Lower	Upper
45	100		
43	52.9	47.4	71.0
87	29.0	24.0	36.0
59	11.6	9.8	14.8





#23

Vinyl Acetate

Concen: 19.975 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 43 Resp: 121004

Ion Ratio Lower Upper

43 100

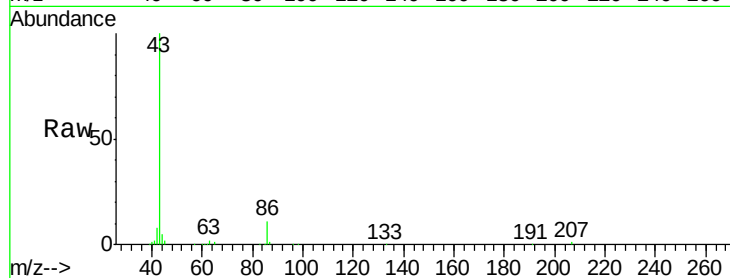
86 11.2 9.8 14.6

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

6.10

40000

30000

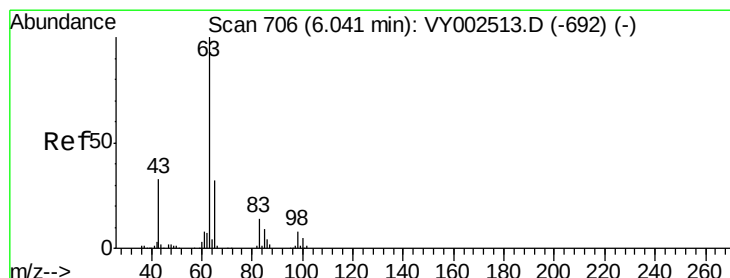
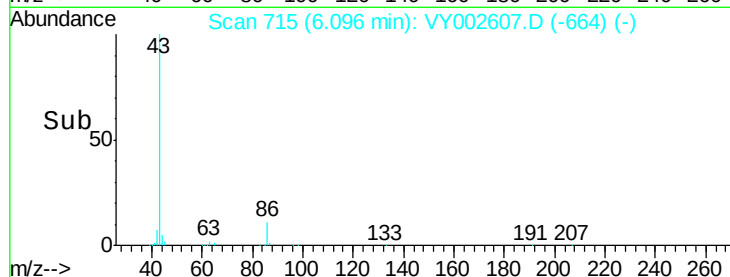
20000

10000

0

Time-->

6.00 6.10 6.20



#24

1,1-Dichloroethane

Concen: 4.299 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

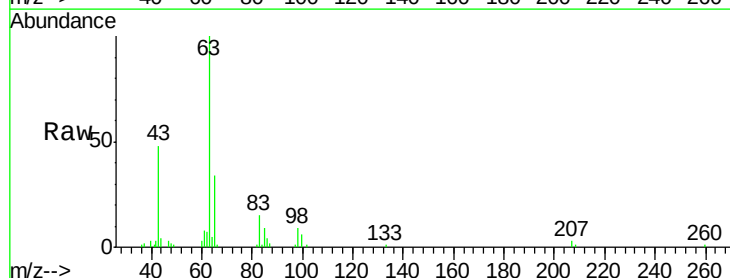
Tgt Ion: 63 Resp: 24500

Ion Ratio Lower Upper

63 100

98 8.6 3.9 11.7

100 6.2 2.4 7.2



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

10000

8000

6000

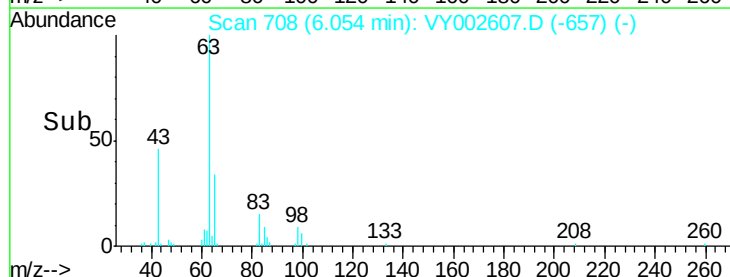
4000

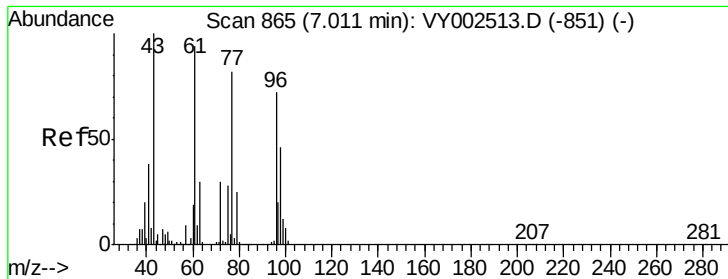
2000

0

Time-->

5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 21.368 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 43 Resp: 23037

Ion Ratio Lower Upper

43 100

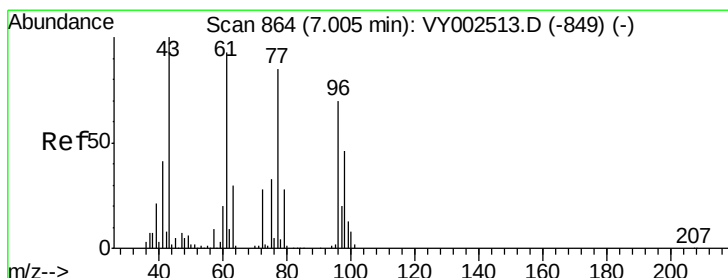
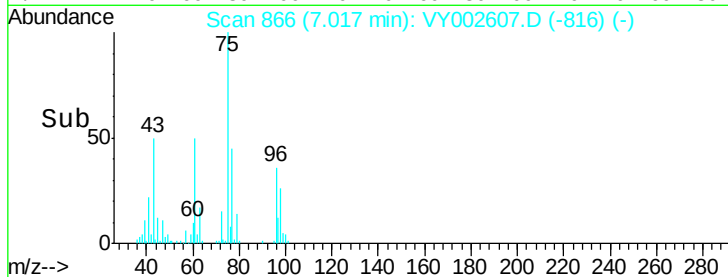
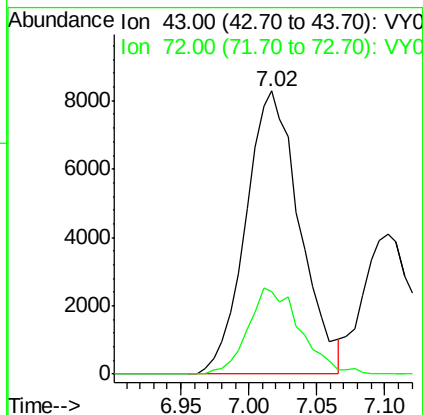
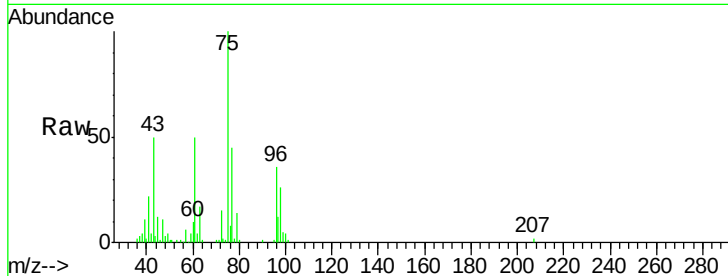
72 28.9 24.1 36.1

Manual Integrations

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MMDadoda

5/7/2020 10:35:28 AM



#26

2,2-Dichloropropane

Concen: 4.417 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002607.D

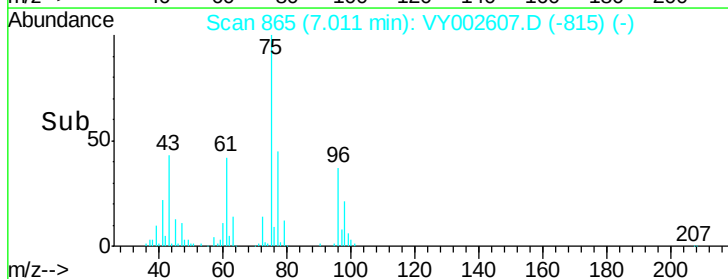
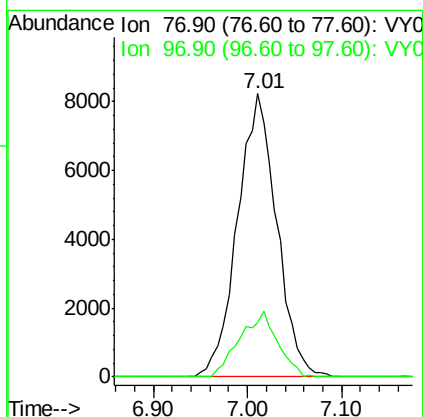
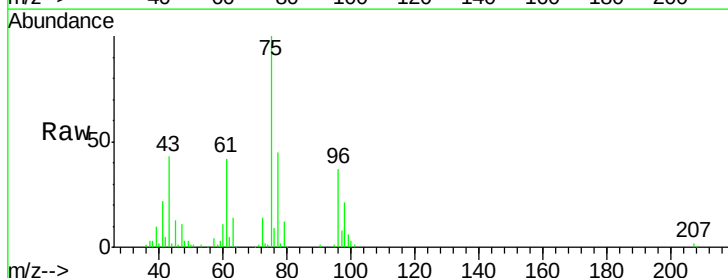
Acq: 06 May 2020 12:04

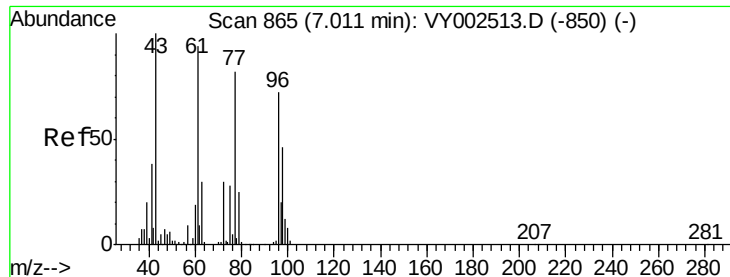
Tgt Ion: 77 Resp: 23924

Ion Ratio Lower Upper

77 100

97 22.3 11.9 35.5





#27

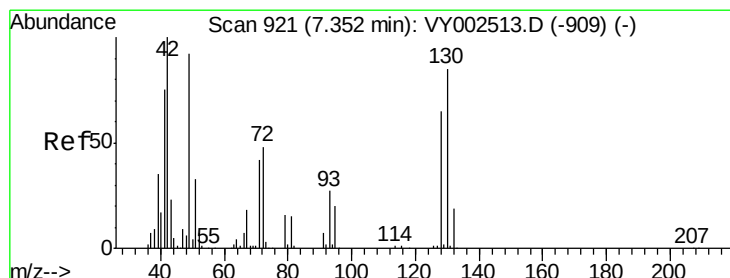
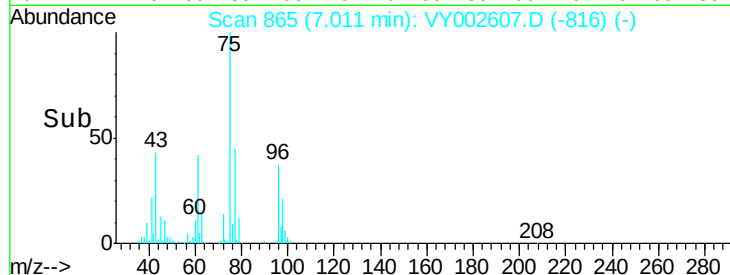
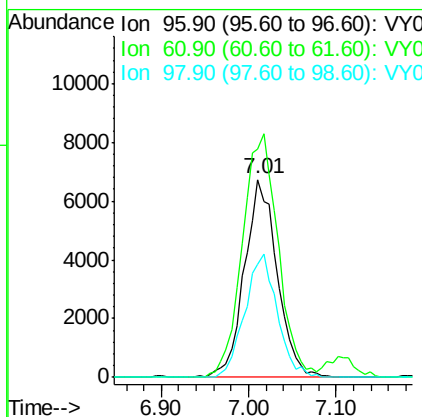
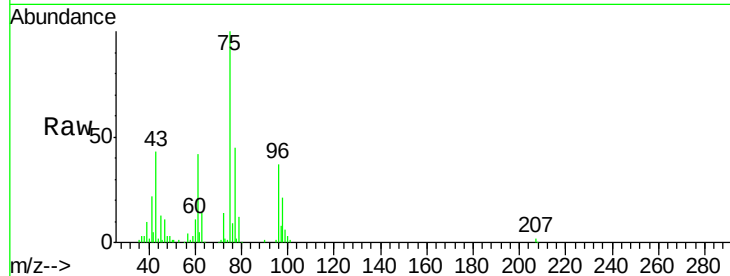
cis-1,2-Dichloroethene
 Concen: 4.418 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	266.6
98	61.5	0.0	129.2

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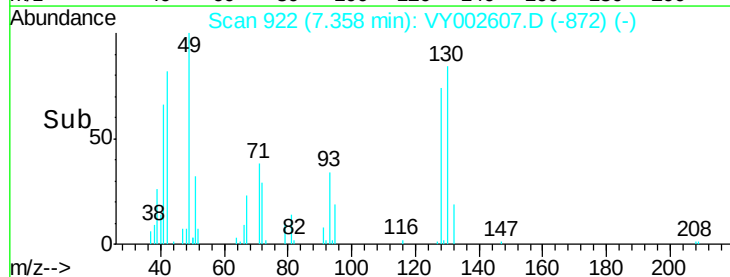
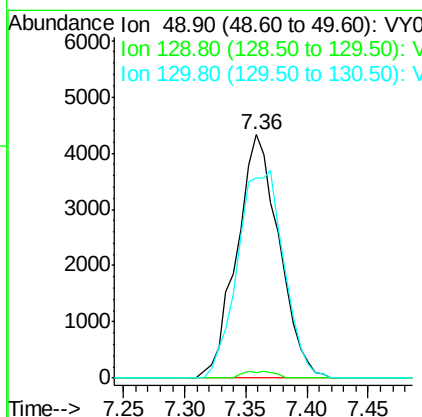
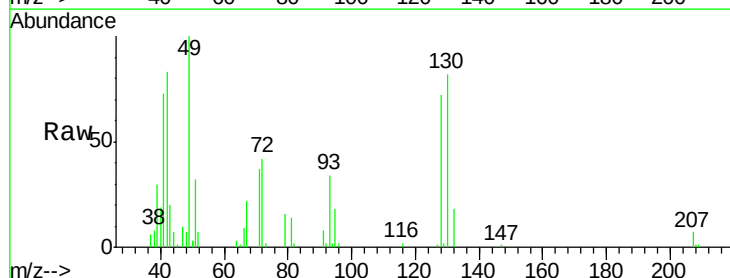
MMDadoda
 5/7/2020 10:35:28 AM

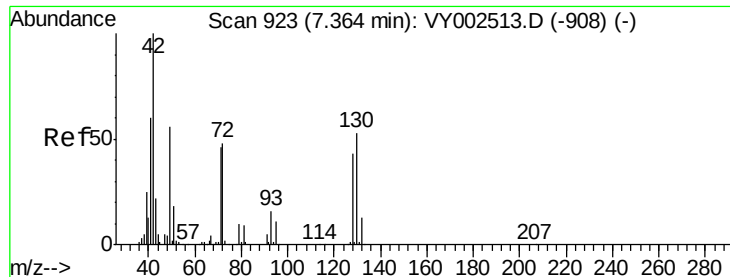


#28

Bromochloromethane
 Concen: 4.457 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.8
130	93.0	72.5	108.7





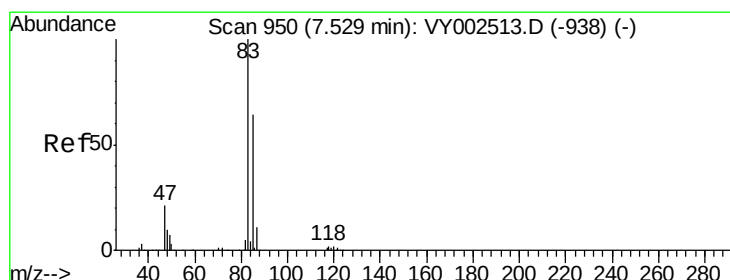
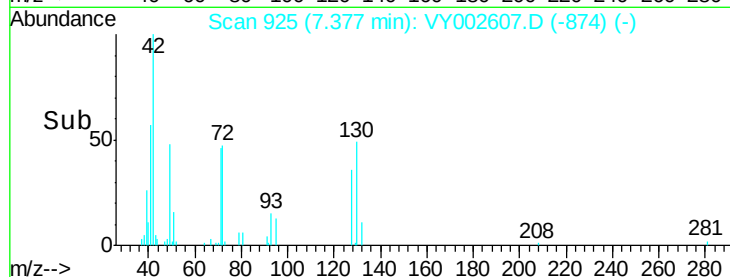
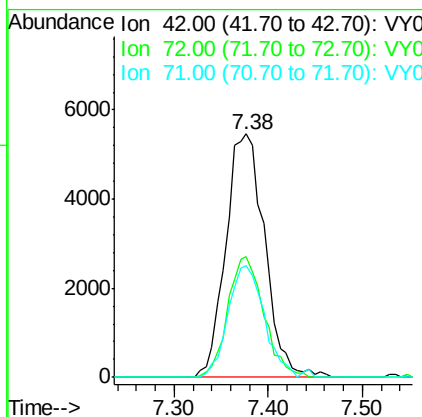
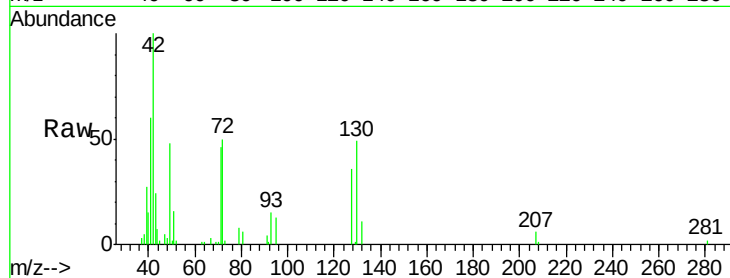
#29
Tetrahydrofuran
Concen: 22.031 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	42	Resp:	15714
Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.4	56.2
71	42.6	35.0	52.4

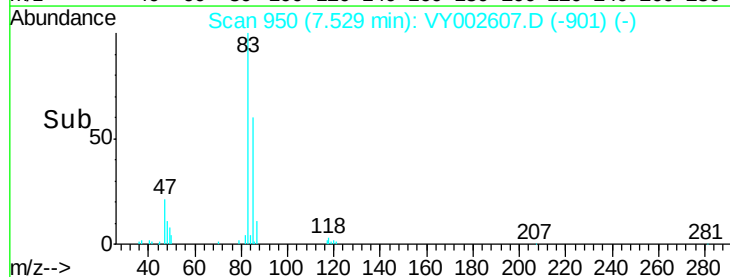
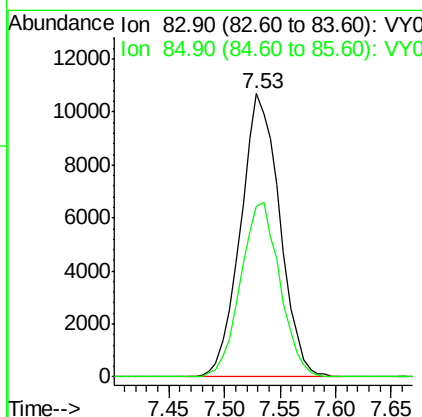
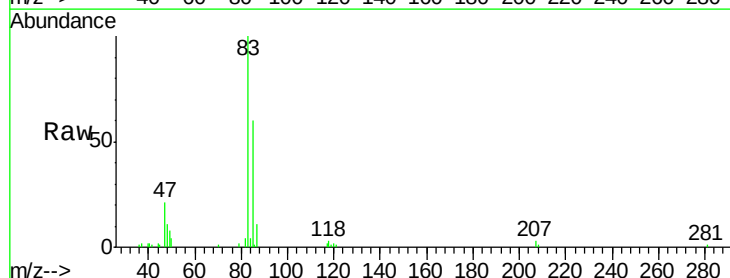
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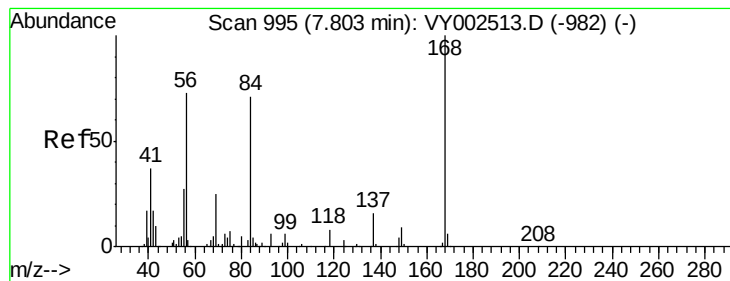
MMDadoda
5/7/2020 10:35:28 AM



#30
Chloroform
Concen: 4.410 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion:	83	Resp:	26129
Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.5	77.3





#31

Cyclohexane

Concen: 5.087 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

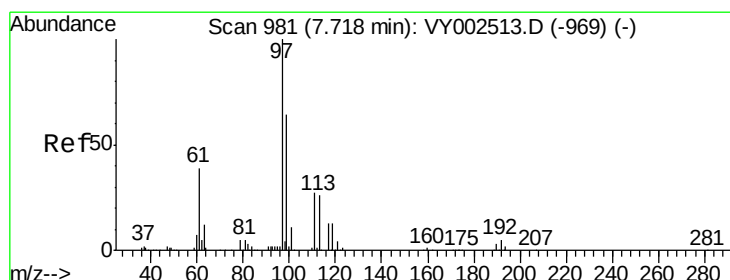
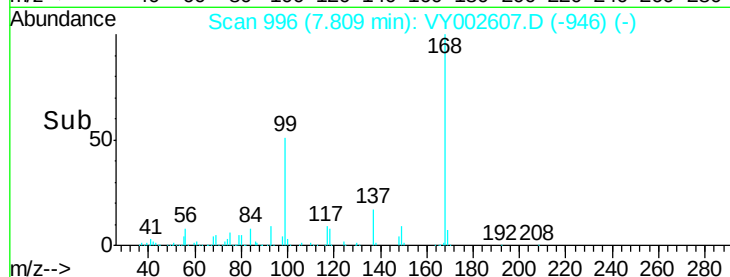
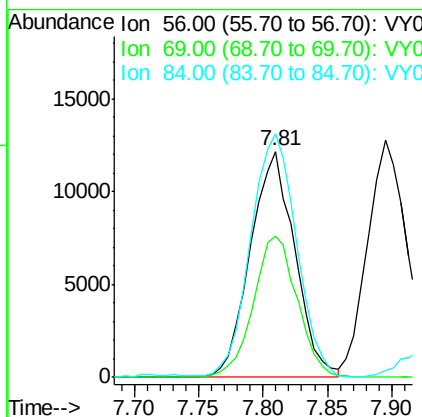
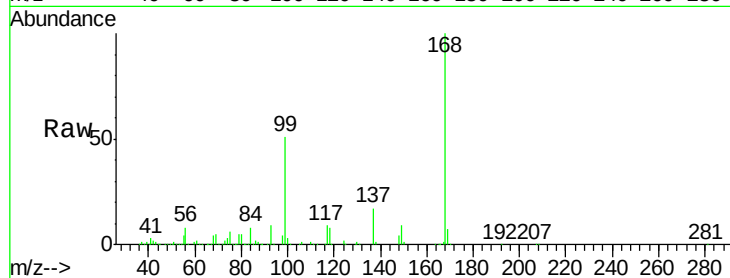
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	56	Resp:	29178
Ion Ratio	Lower	Upper	
56	100		
69	62.2	27.6	41.4#
84	107.1	77.7	116.5

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#32

1,1,1-Trichloroethane

Concen: 4.174 ug/l

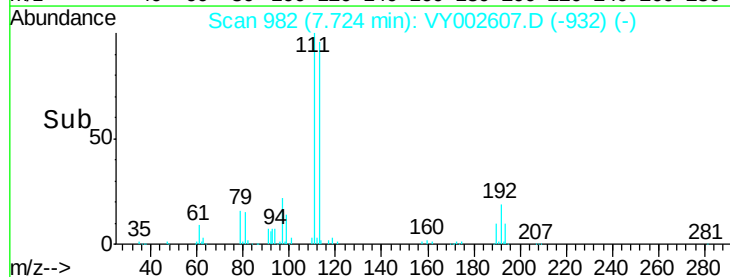
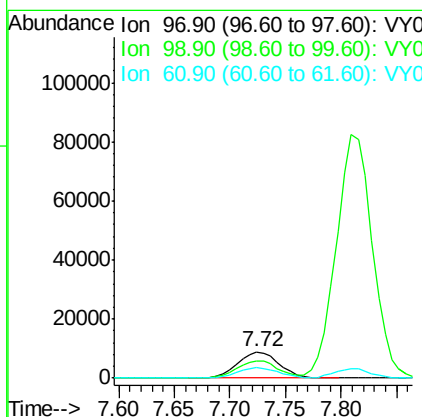
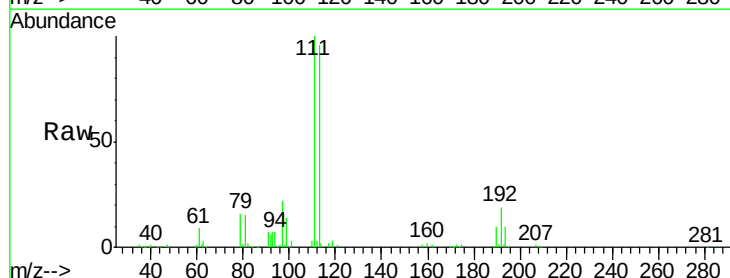
RT: 7.72 min Scan# 982

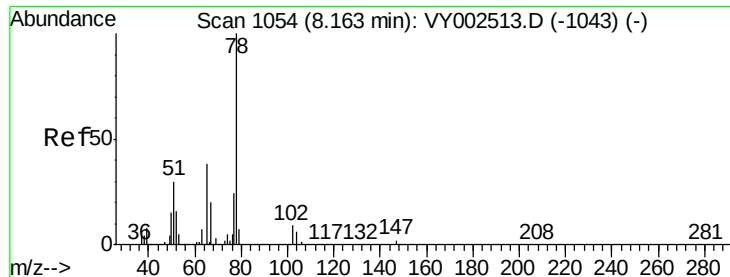
Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Tgt Ion:	97	Resp:	22985
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.9	77.9
61	39.5	31.0	46.6





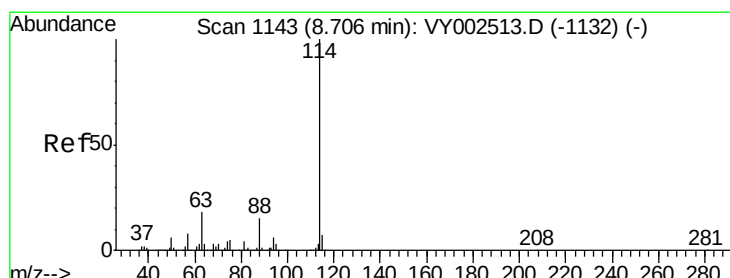
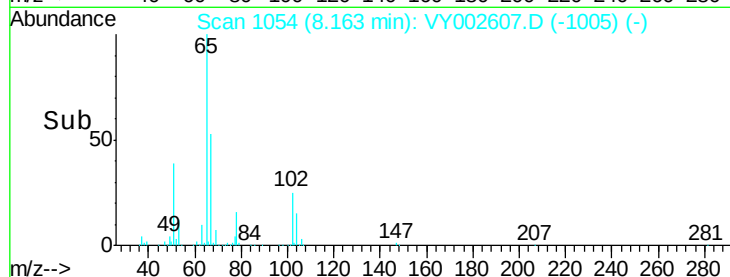
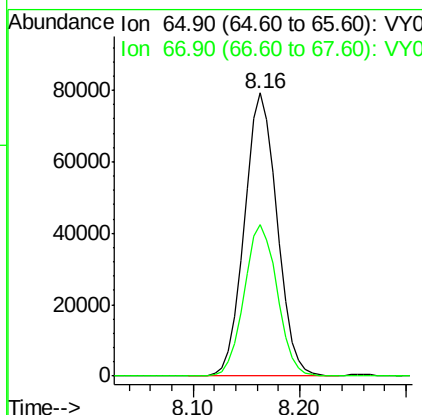
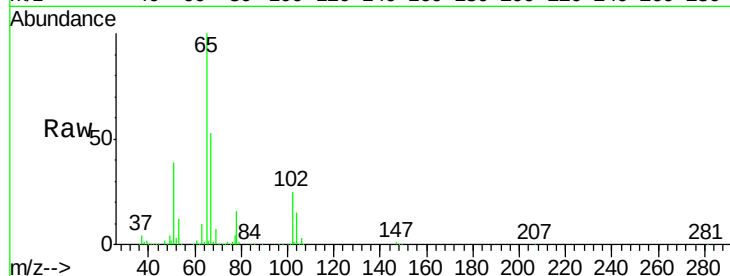
#33
 1,2-Dichloroethane-d4
 Concen: 53.512 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	107.2	

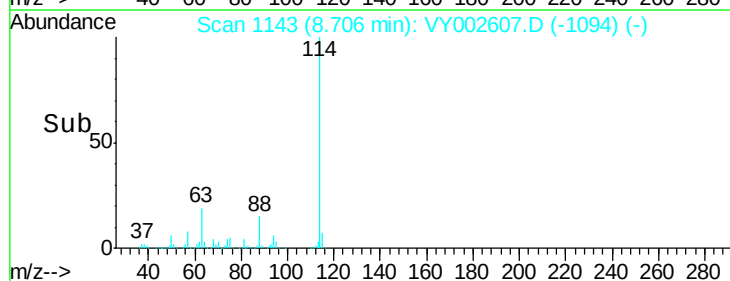
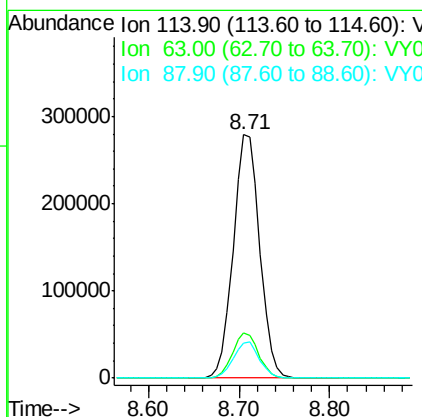
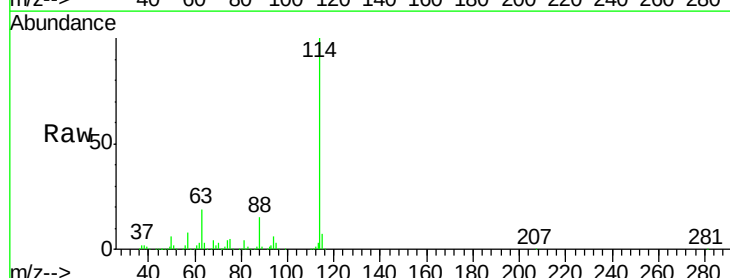
Manual Integrations
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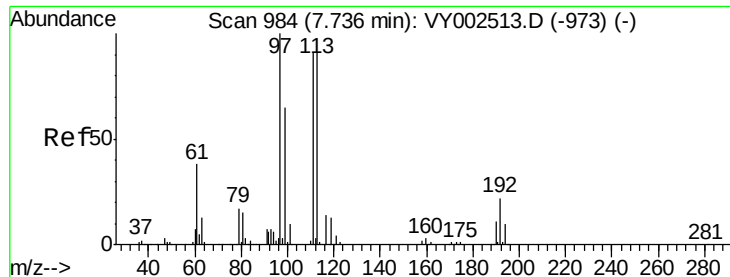
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 5/7/2020 10:35:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	36.4	
88	14.6	0.0	29.6	





#35

Dibromofluoromethane

Concen: 55.867 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

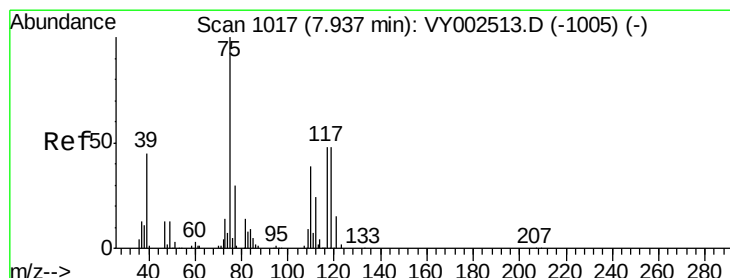
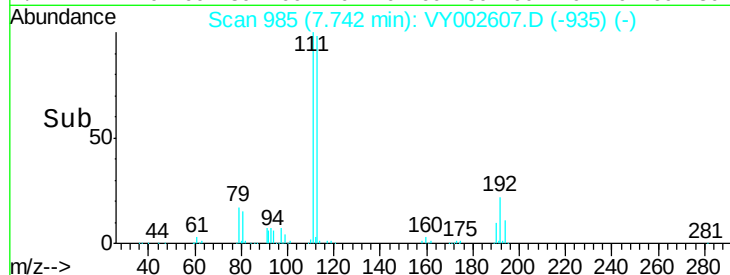
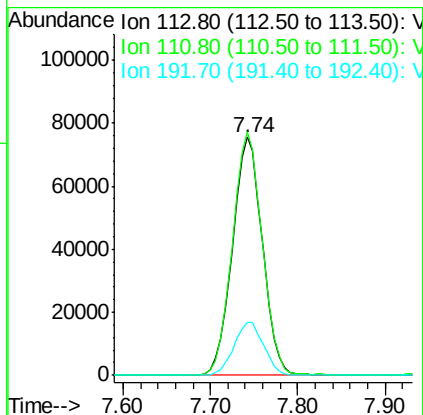
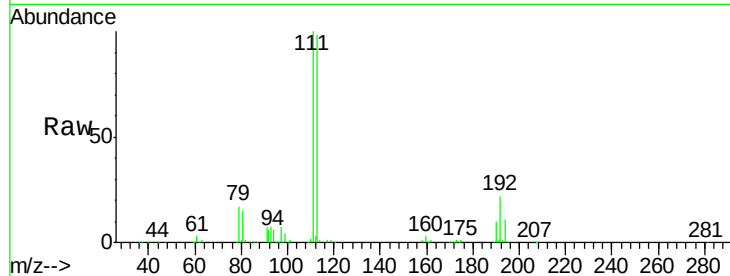
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	113	Resp:	179557
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.8	122.6
192	22.3	18.2	27.4

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#36

1,1-Dichloropropene

Concen: 4.387 ug/l

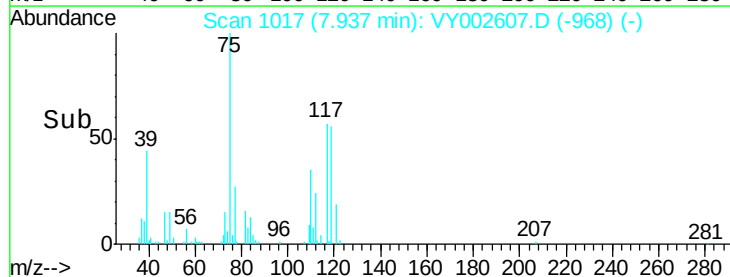
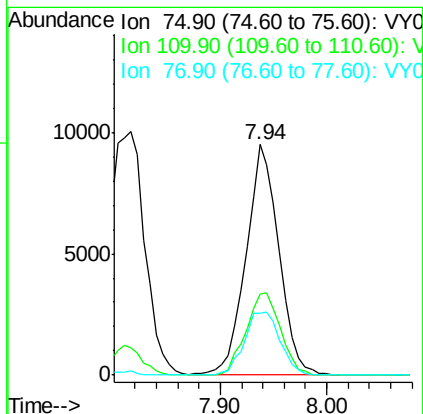
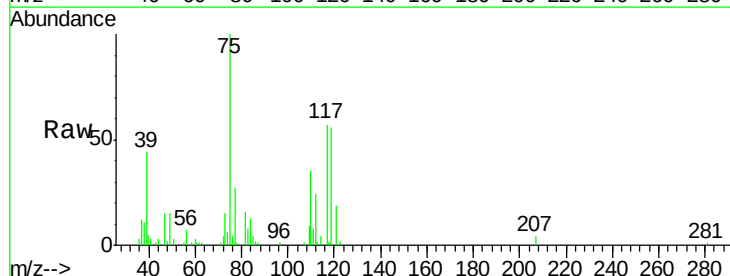
RT: 7.94 min Scan# 1017

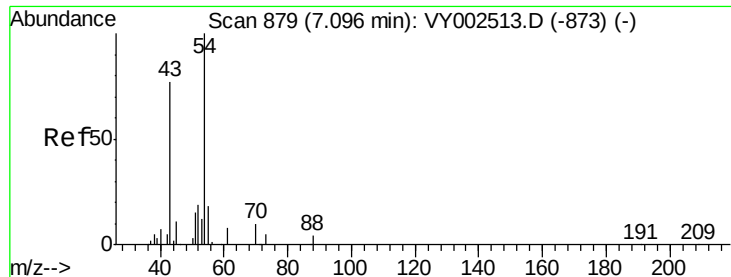
Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Tgt Ion:	75	Resp:	20667
Ion Ratio	Lower	Upper	
75	100		
110	37.4	19.1	57.3
77	29.8	24.6	37.0





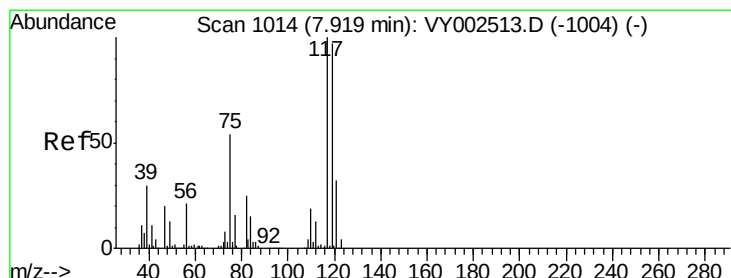
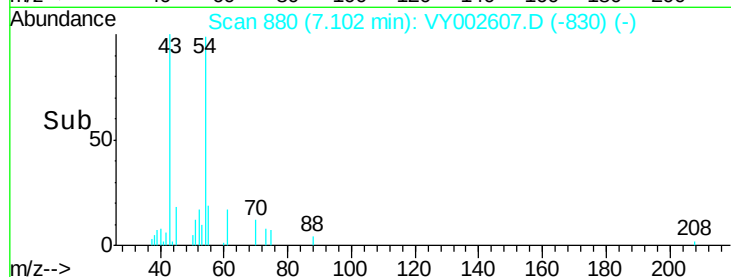
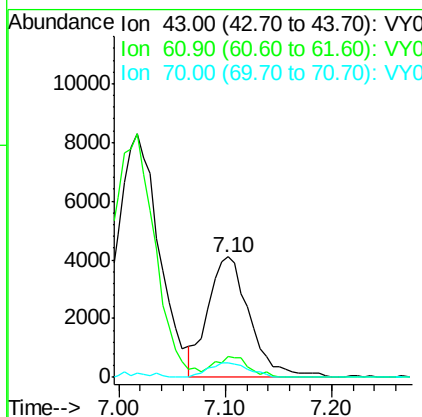
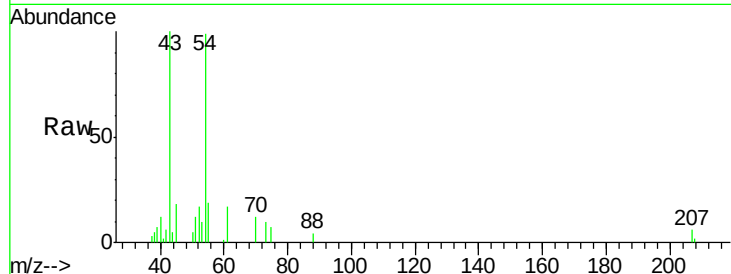
#37
Ethyl Acetate
Concen: 4.591 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	43	Resp	11115
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.6	17.4
70	11.4	9.0	13.6

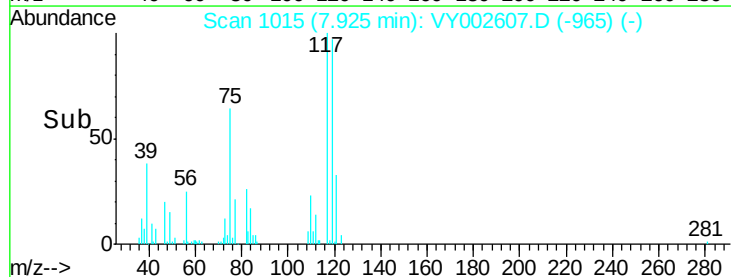
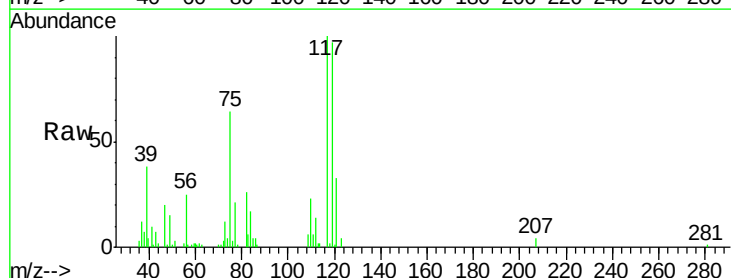
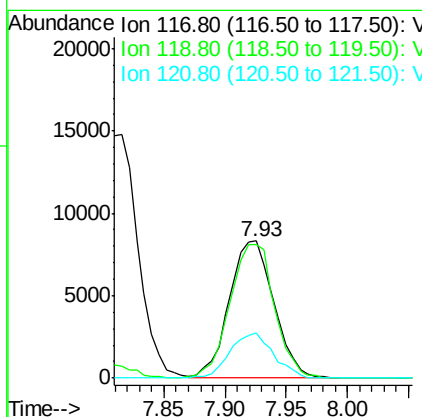
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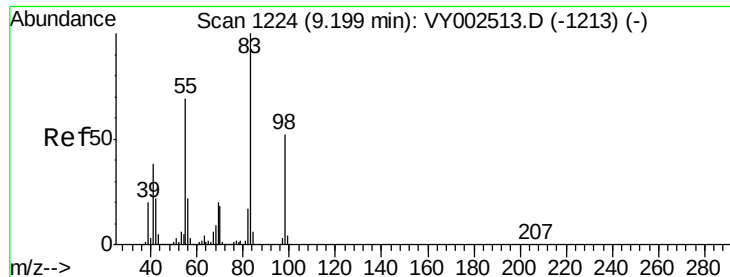
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5/7/2020 10:35:28 AM



#38
Carbon Tetrachloride
Concen: 4.122 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion	117	Resp	21201
Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.1	115.7
121	32.8	25.2	37.8





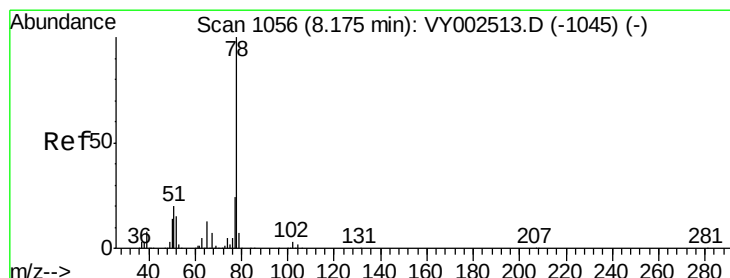
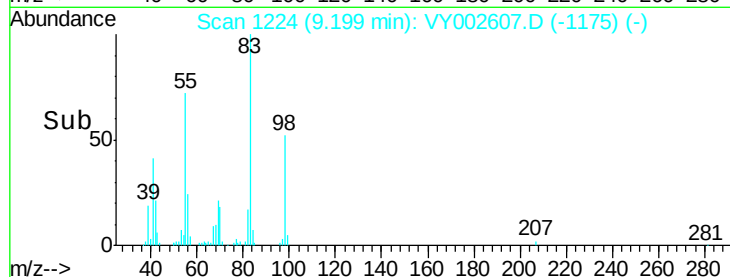
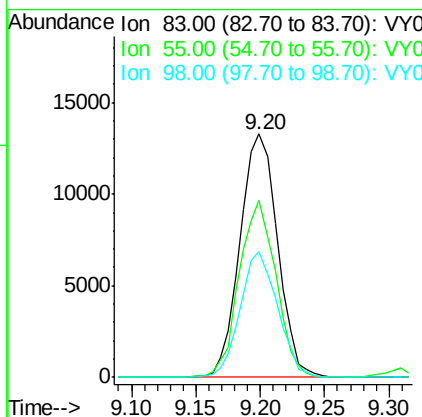
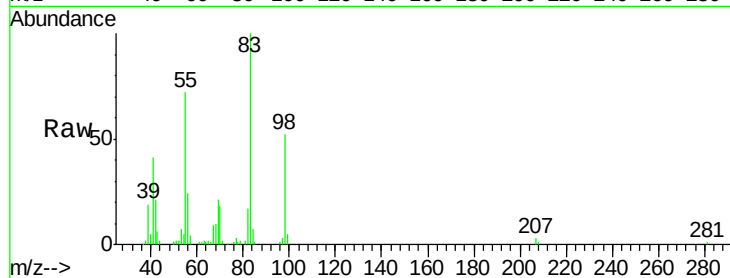
#39
Methylvlcyclohexane
Concen: 4.315 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	83	Resp	26850
Ion Ratio	100	Lower	Upper
83	100		
55	72.5	55.4	83.0
98	51.6	41.3	61.9

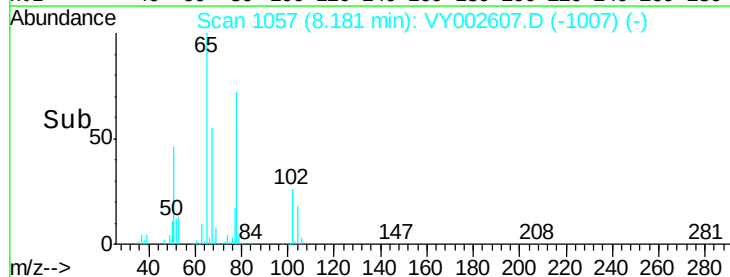
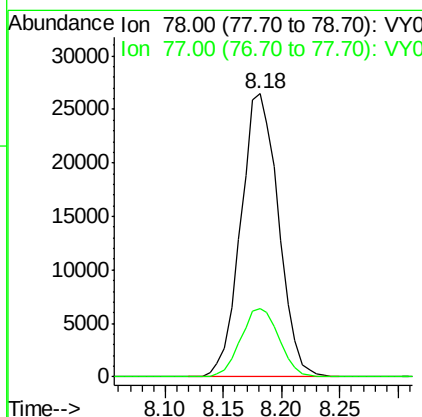
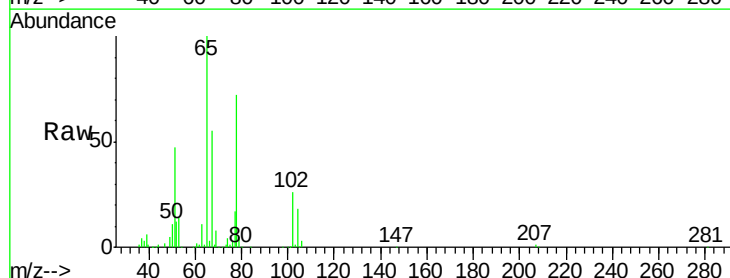
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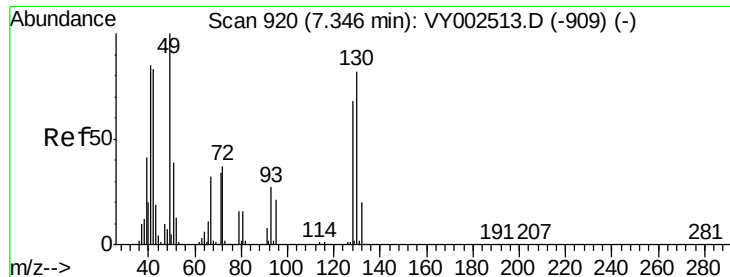
MMDadoda
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#40
Benzene
Concen: 4.393 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion	78	Resp	59776
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.2	28.8





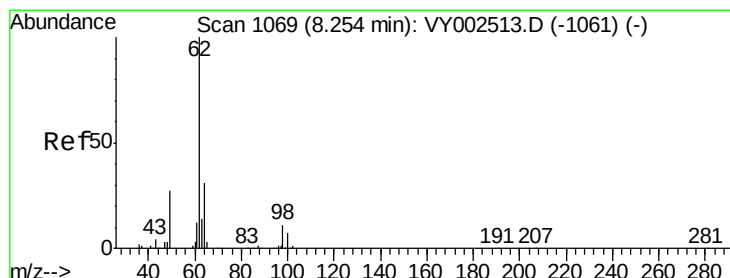
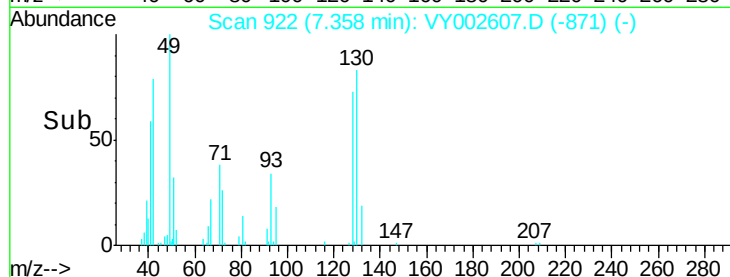
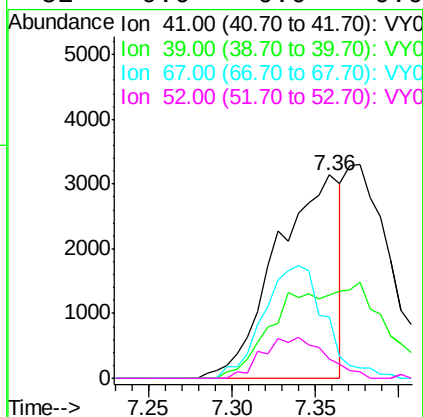
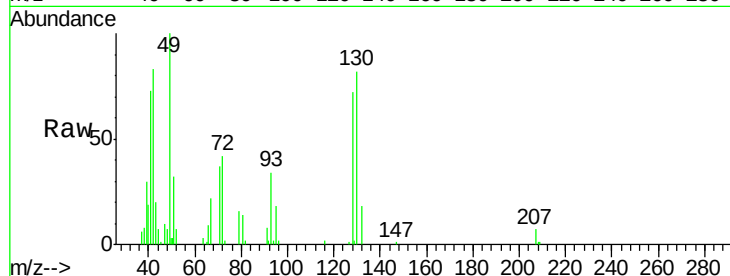
#41
Methacrylonitrile
Concen: 6.407 ug/l m
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	41	Resp	8340
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

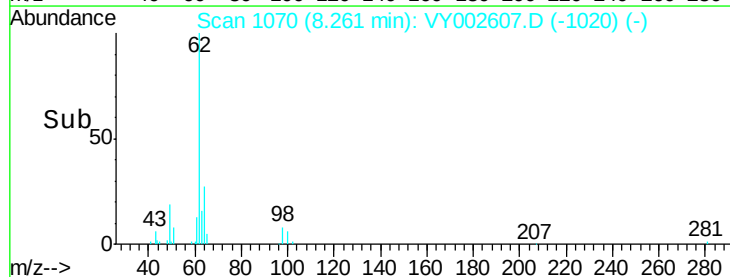
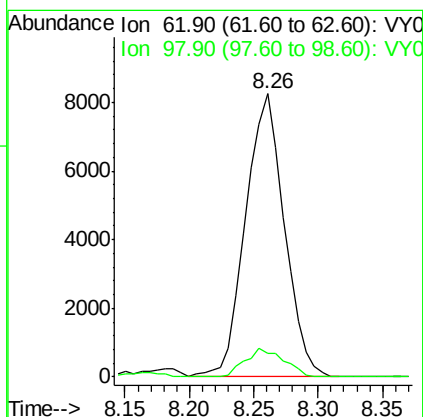
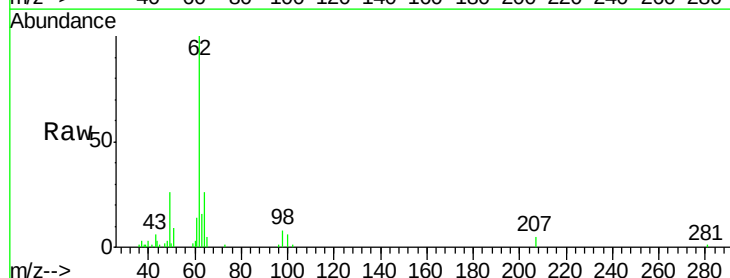
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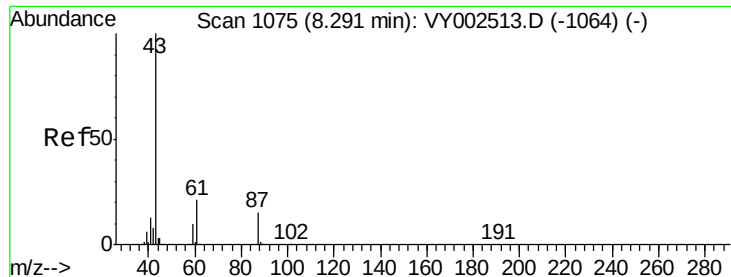
MMDadoda
5/7/2020 10:35:28 AM



#42
1,2-Dichloroethane
Concen: 4.502 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion	62	Resp	17182
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	21.0





#43

Isopropyl Acetate

Concen: 4.185 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

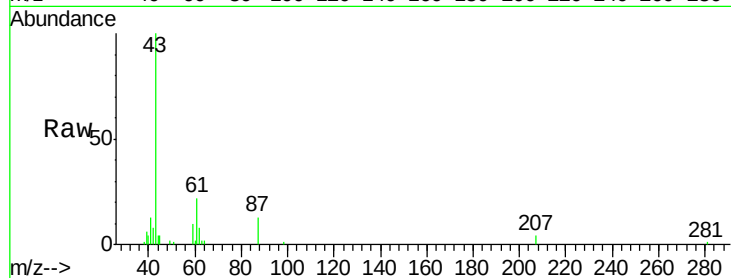
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	43	Resp:	18993
Ion	Ratio	Lower	Upper
43	100		
61	32.8	24.8	37.2
87	14.8	12.2	18.2

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5/7/2020 10:35:28 AM

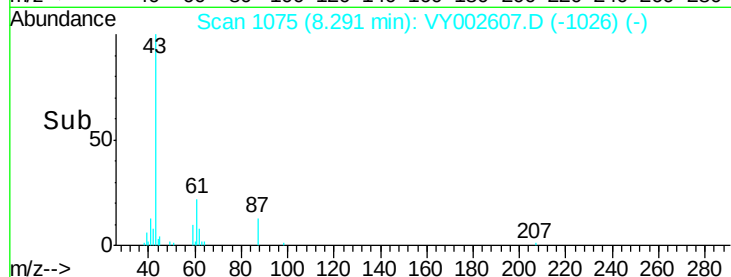


Abundance Ion 43.00 (42.70 to 43.70): VY002607.D (-1064) (-)

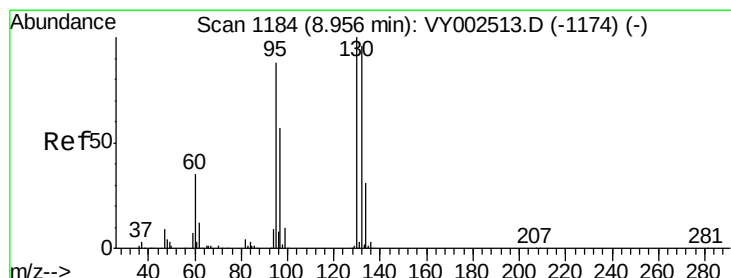
Ion 61.00 (60.70 to 61.70): VY002607.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY002607.D (-1064) (-)

Time-->



Time-->



#44

Trichloroethene

Concen: 4.497 ug/l

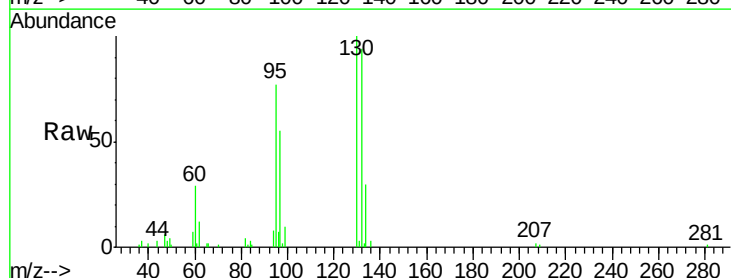
RT: 8.96 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

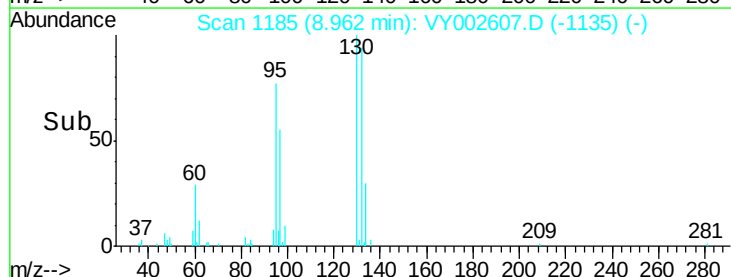
Tgt Ion:	130	Resp:	19125
Ion	Ratio	Lower	Upper
130	100		
95	76.8	0.0	175.8



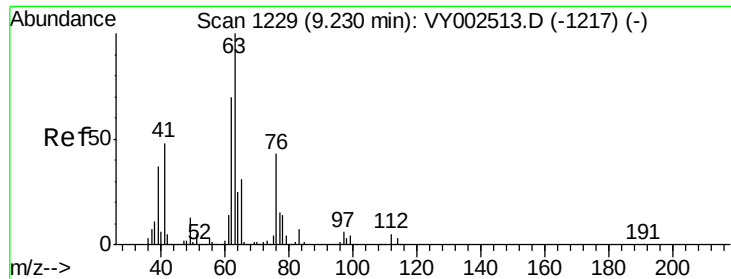
Abundance Ion 129.80 (129.50 to 130.50): VY002607.D (-1174) (-)

Ion 94.90 (94.60 to 95.60): VY002607.D (-1174) (-)

Time-->



Time-->



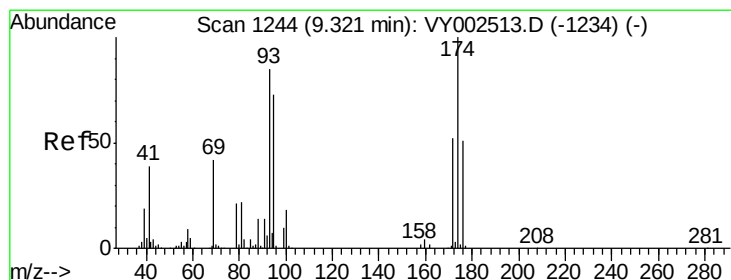
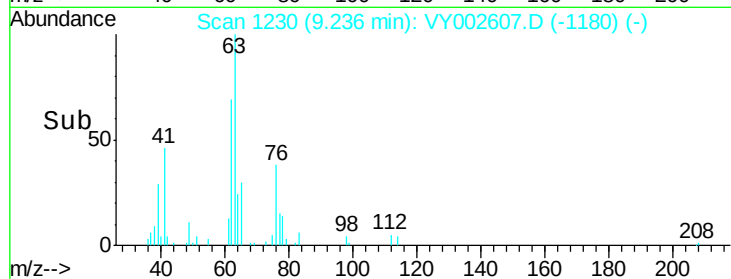
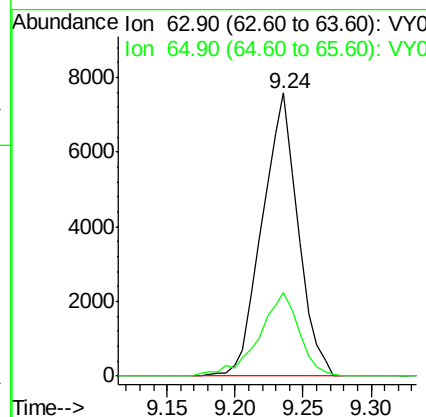
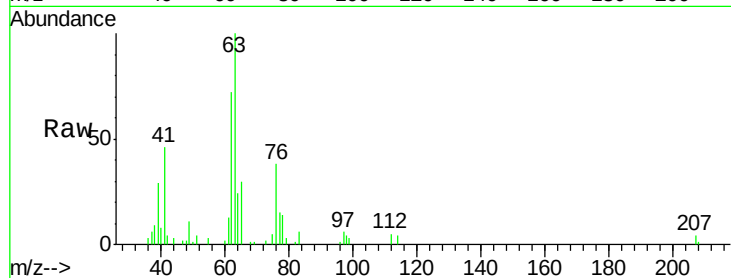
#45
 1,2-Dichloropropane
 Concen: 4.260 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.5	36.7

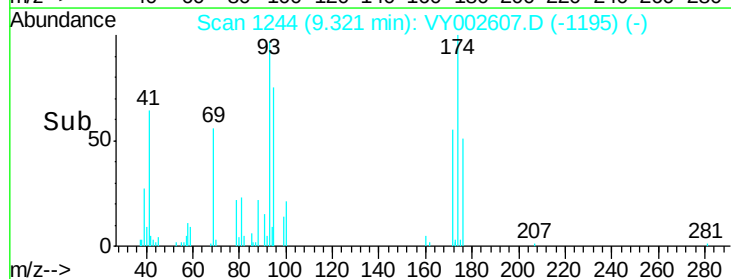
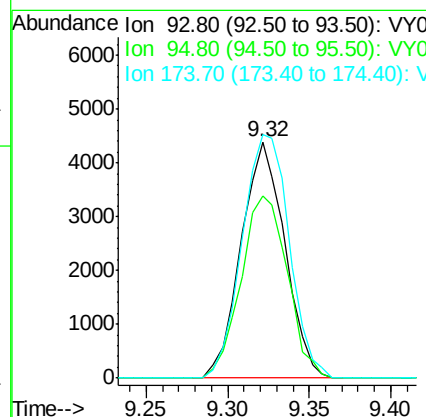
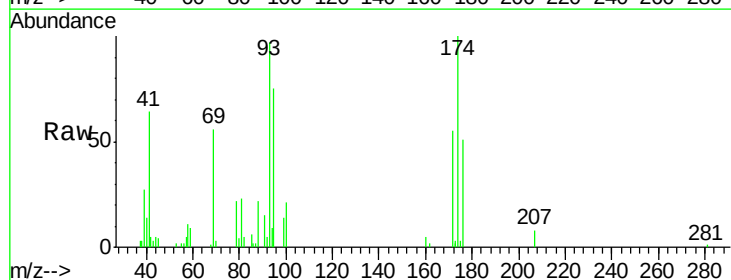
Manual Integrations
 APPROVED

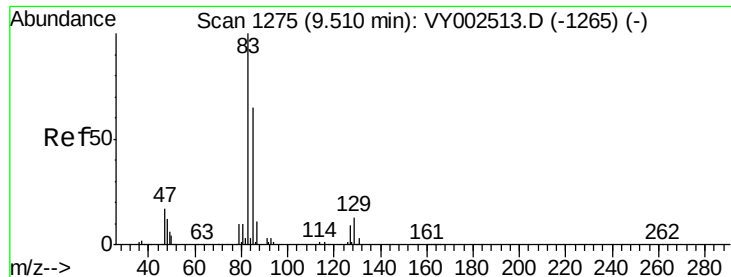
MMDadoda
 5/7/2020 10:35:28 AM



#46
 Dibromomethane
 Concen: 4.320 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	67.0	100.4
174	110.8	92.7	139.1





#47

Bromodichloromethane

Concen: 4.124 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

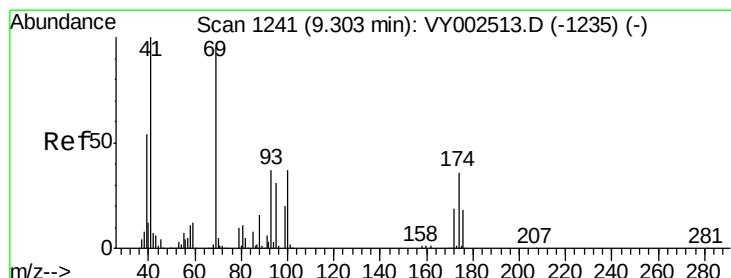
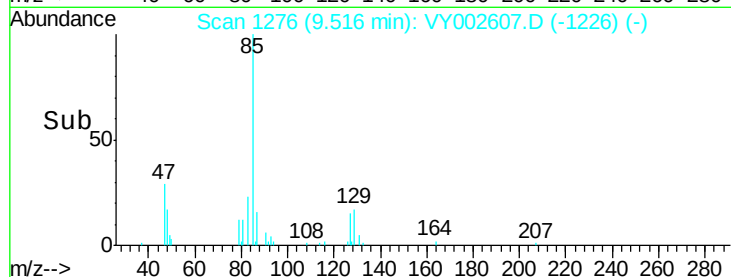
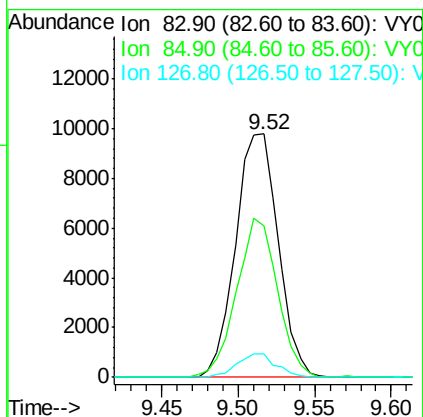
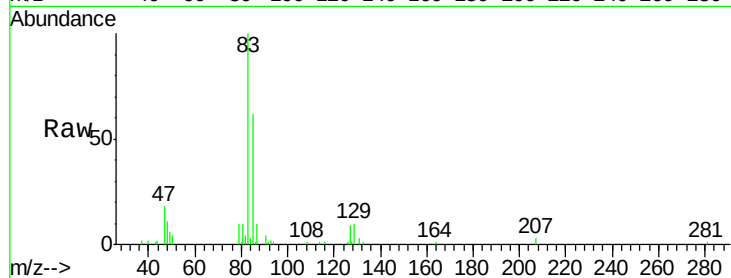
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	83	Resp:	18948
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.8	77.8
127	9.4	7.4	11.0

Manual Integrations
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MMDadoda
5/7/2020 10:35:28 AM



#48

Methyl methacrylate

Concen: 4.242 ug/l

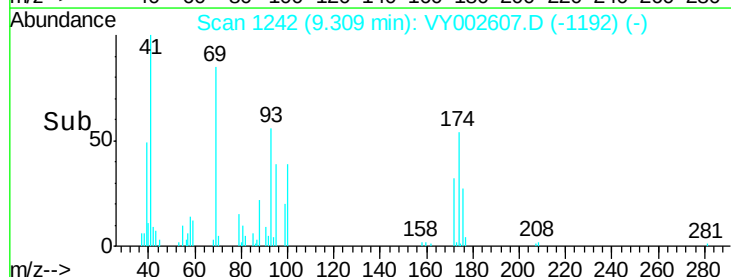
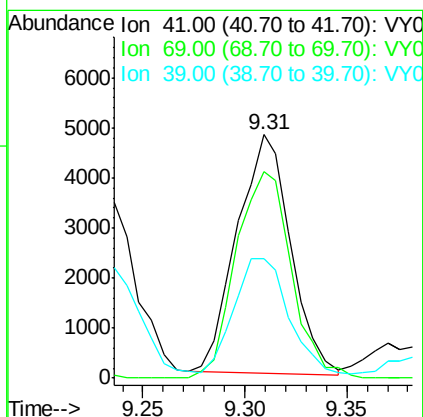
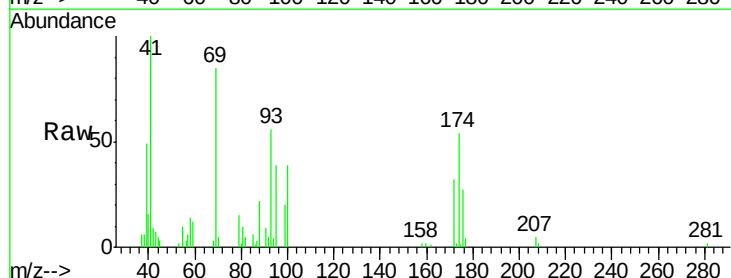
RT: 9.31 min Scan# 1242

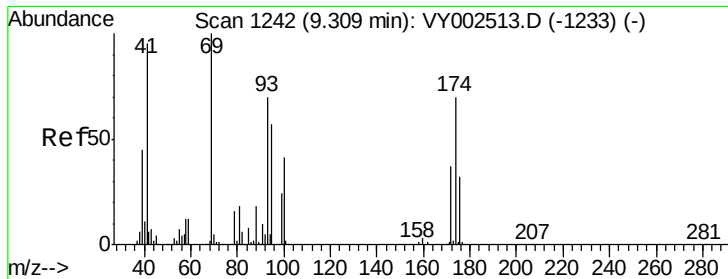
Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Tgt Ion:	41	Resp:	8714
Ion	Ratio	Lower	Upper
41	100		
69	89.2	76.2	114.4
39	49.8	42.7	64.1





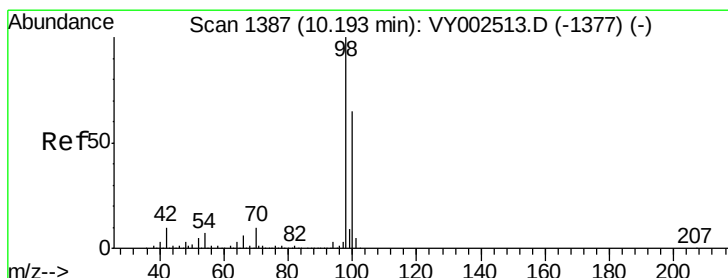
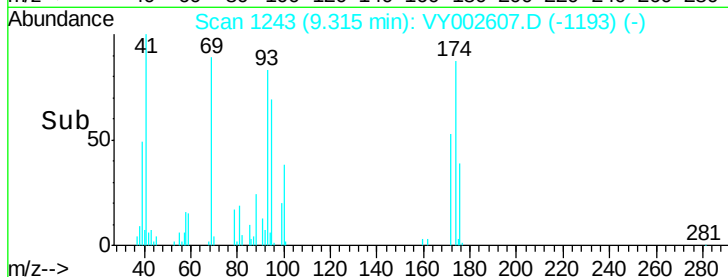
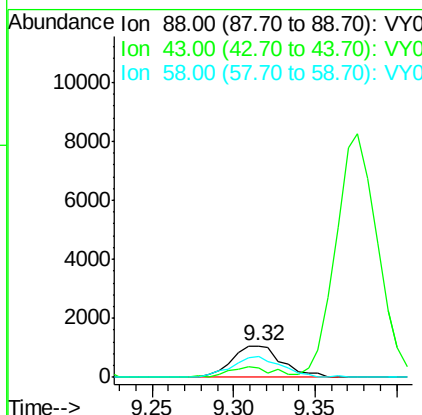
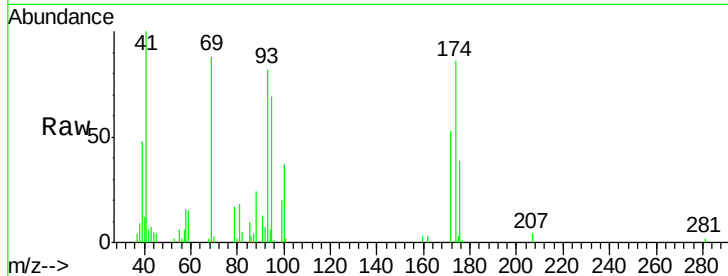
#49
1,4-Dioxane
Concen: 90.778 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	88	Resp	2271
Ion	Ratio	Lower	Upper
88	100		
43	29.6	22.8	34.2
58	64.2	51.4	77.2

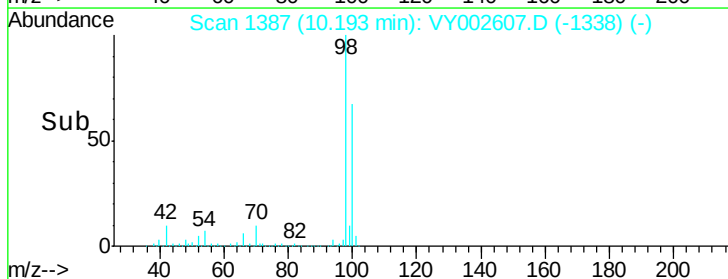
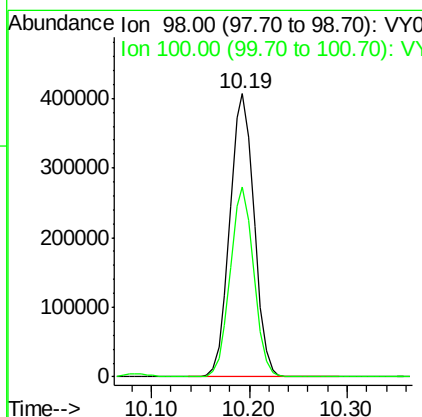
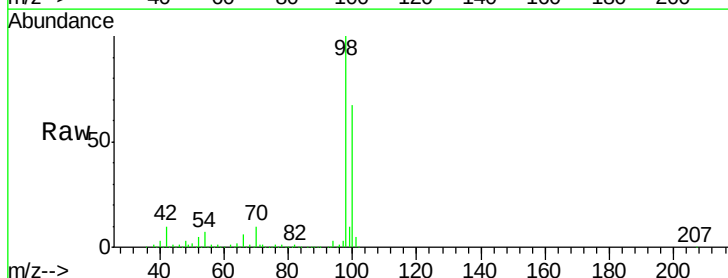
Manual Integrations
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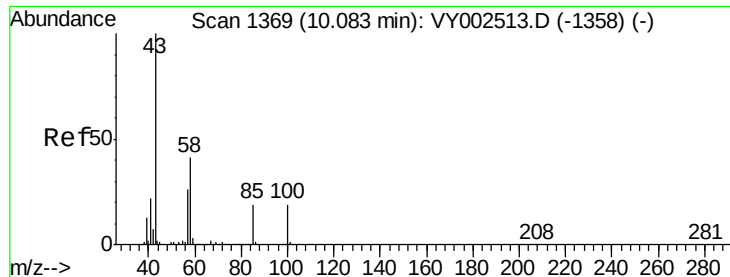
MMDadoda
5/7/2020 10:35:28 AM



#50
Toluene-d8
Concen: 55.602 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion	98	Resp	697877
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





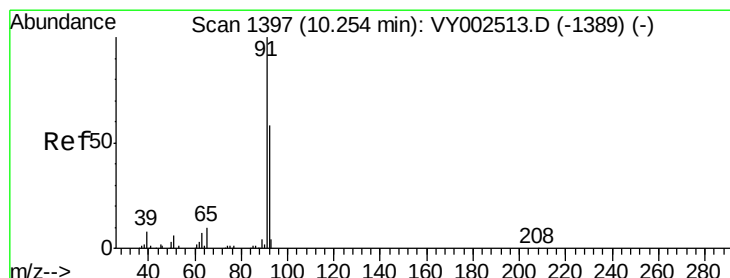
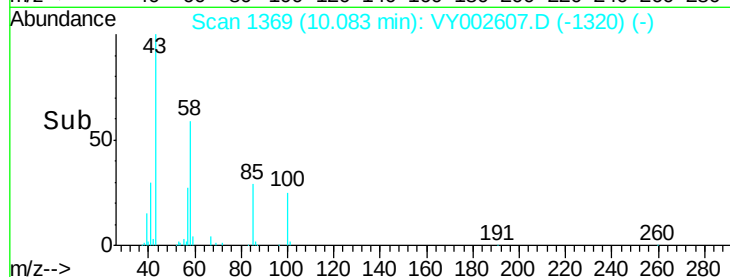
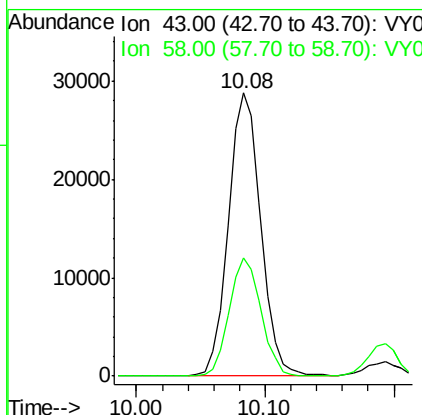
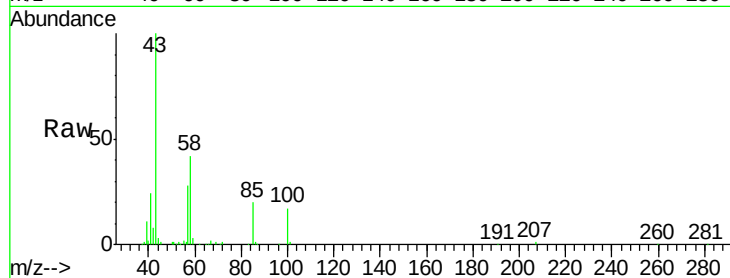
#51
4-Methyl-2-Pentanone
Concen: 21.584 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	43	Resp	50492
Ion Ratio	43	100	
Lower	58	41.2	33.2
Upper			49.8

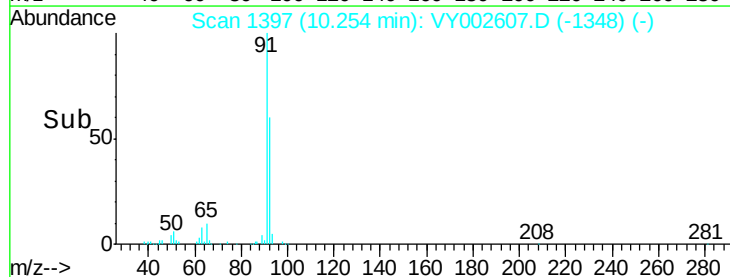
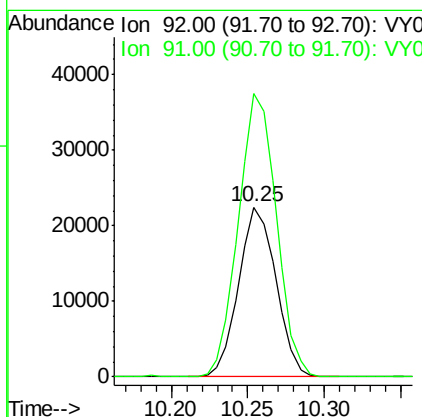
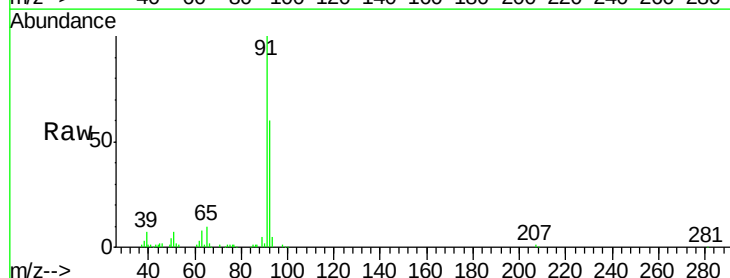
Manual Integrations
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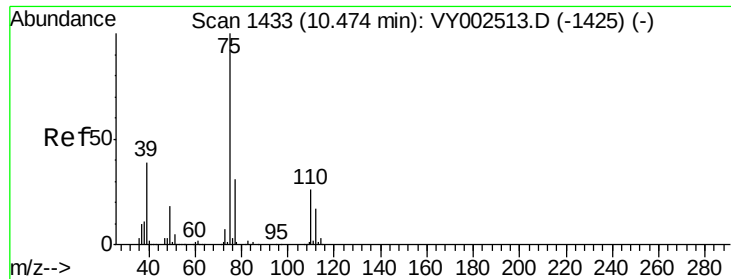
MMDadoda
5/7/2020 10:35:28 AM



#52
Toluene
Concen: 4.351 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion	92	Resp	38052
Ion Ratio	92	100	
Lower	91	171.0	139.3
Upper			208.9





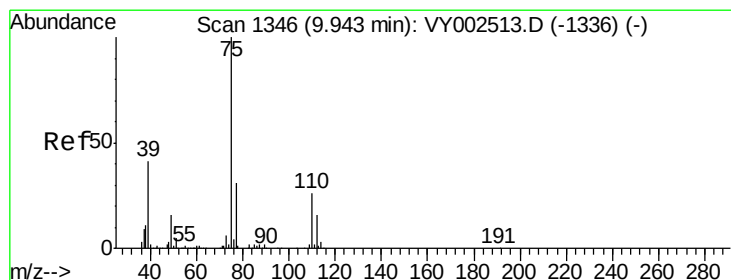
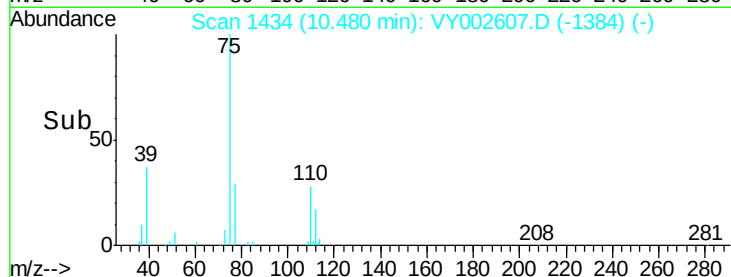
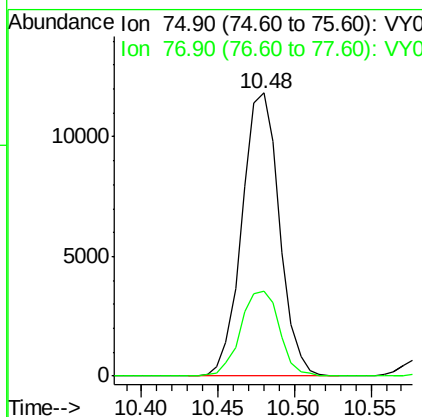
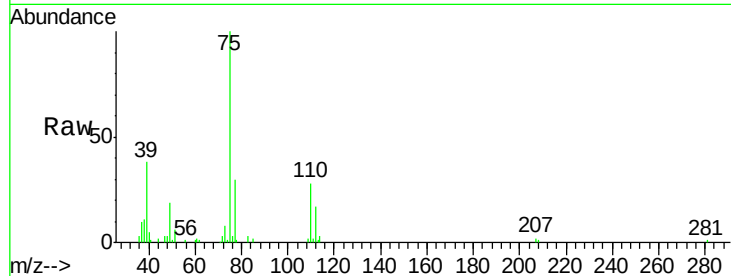
#53
 t-1,3-Dichloropropene
 Concen: 4.178 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 75 Resp: 20113
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.0 37.6

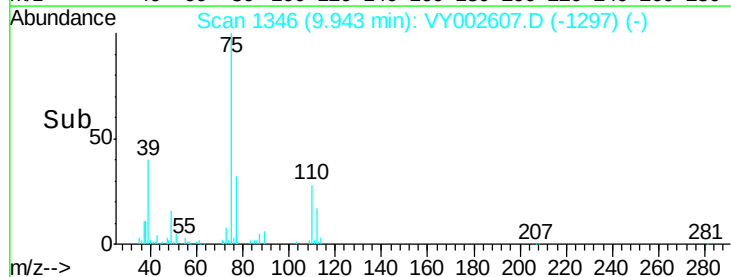
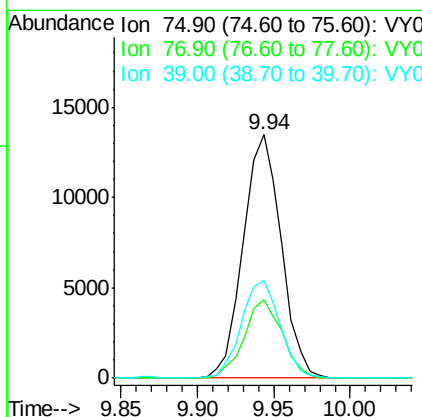
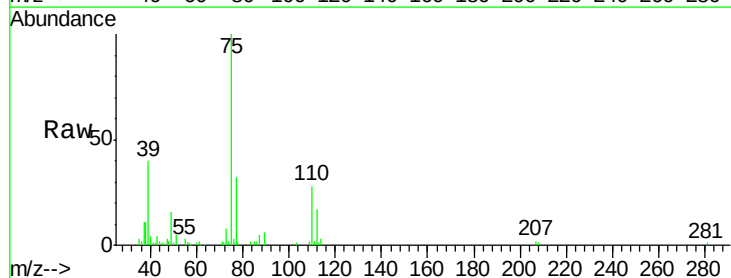
Manual Integrations
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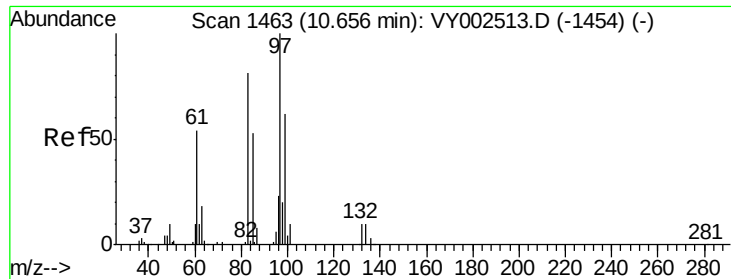
MMDadoda
 5/7/2020 10:35:28 AM



#54
 cis-1,3-Dichloropropene
 Concen: 4.184 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion: 75 Resp: 23282
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.1 37.7
 39 40.3 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 4.273 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

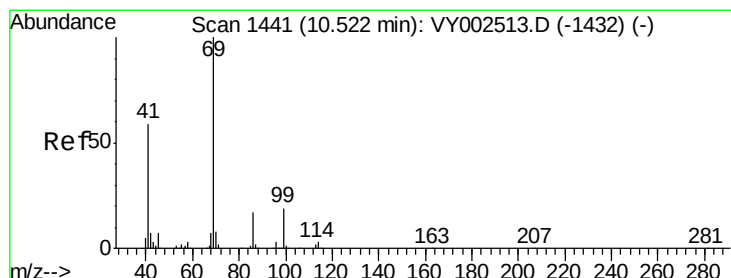
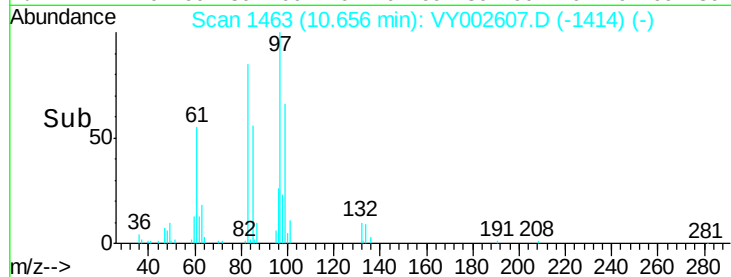
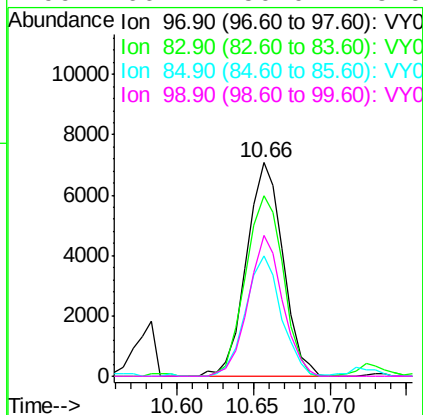
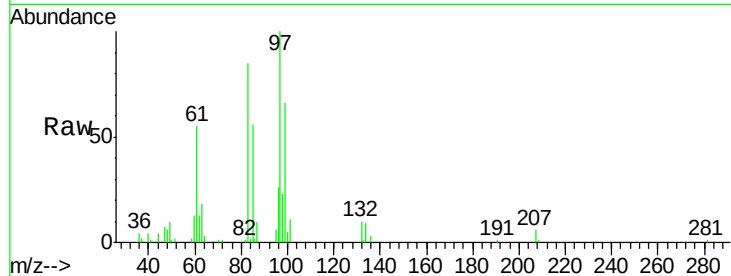
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	97	Resp:	11773
Ion	Ratio	Lower	Upper
97	100		
83	84.8	65.1	97.7
85	56.1	42.7	64.1
99	66.2	50.0	75.0

Manual Integrations
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MMDadoda
5/7/2020 10:35:28 AM



#56

Ethyl methacrylate

Concen: 4.010 ug/l

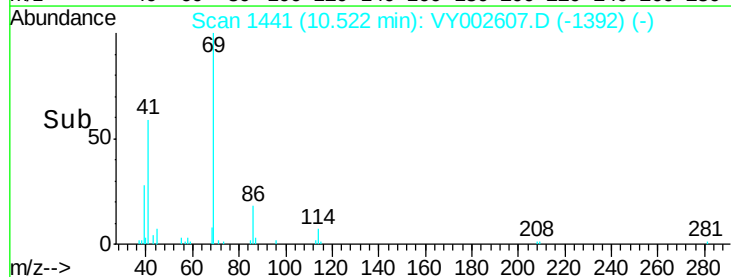
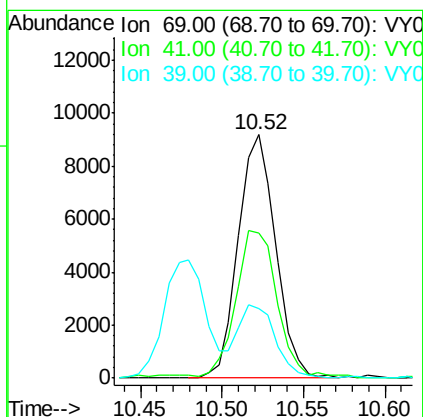
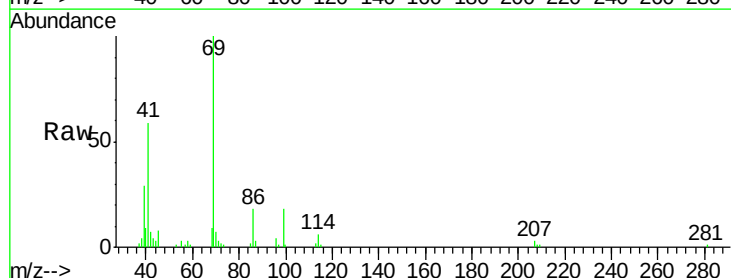
RT: 10.52 min Scan# 1441

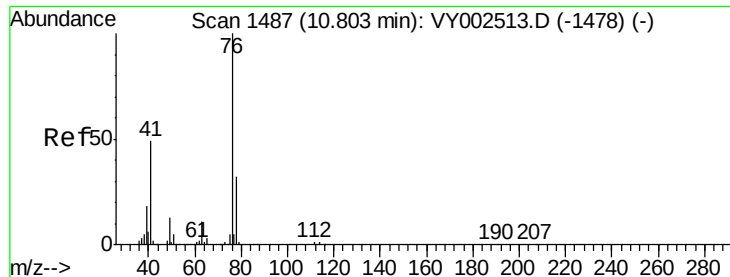
Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Tgt Ion:	69	Resp:	14697
Ion	Ratio	Lower	Upper
69	100		
41	67.2	48.6	73.0
39	31.9	25.0	37.4





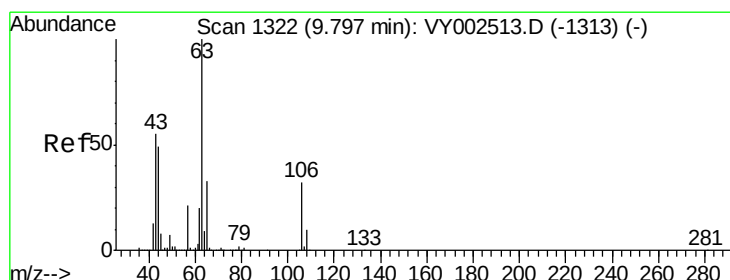
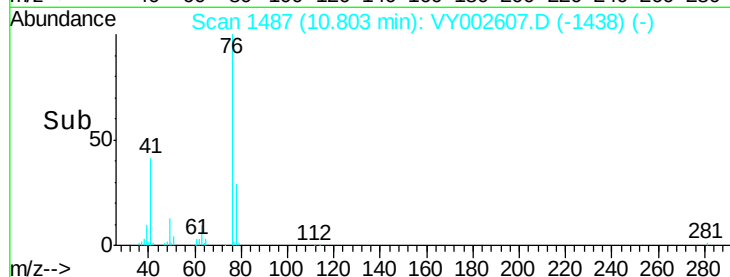
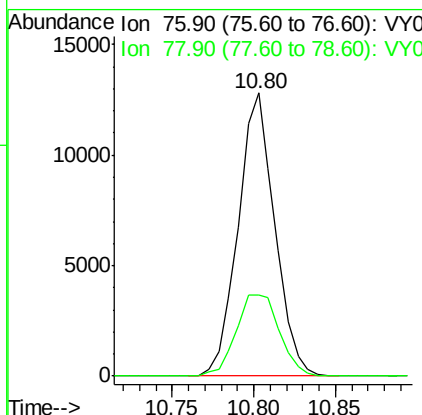
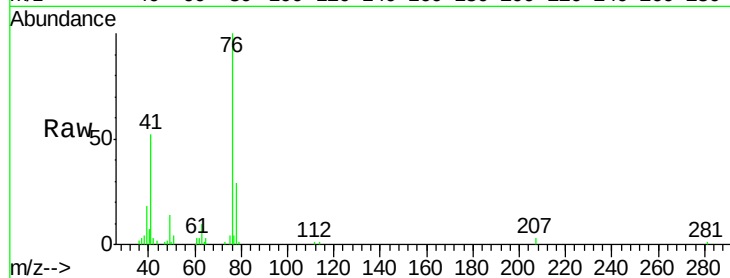
#57
 1,3-Dichloropropane
 Concen: 4.284 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.9	25.4	38.2

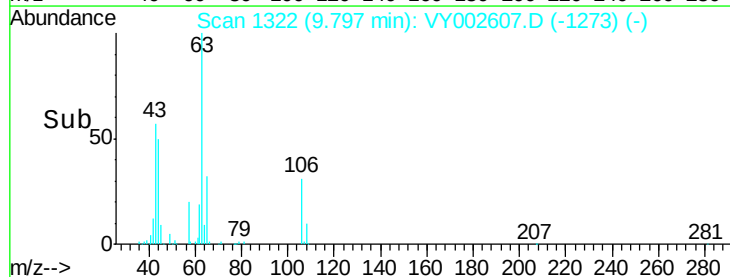
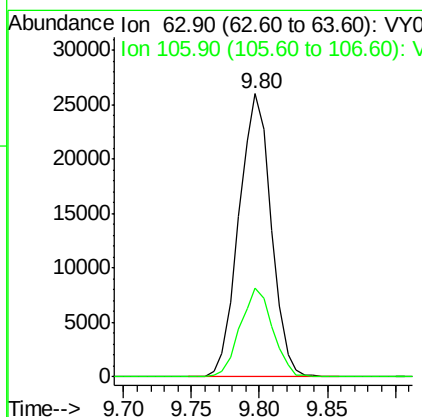
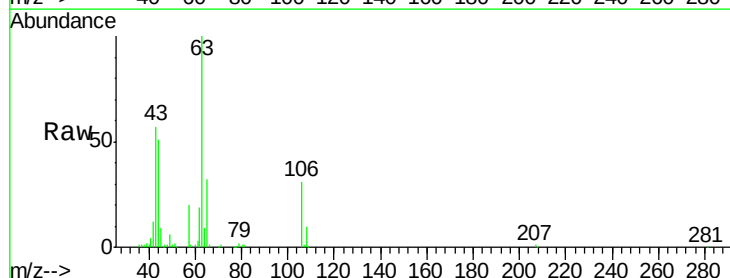
Manual Integrations
 APPROVED

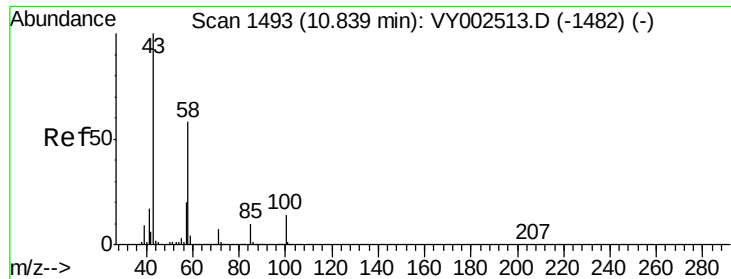
MMDadoda
 5/7/2020 10:35:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.357 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.5	25.2	37.8





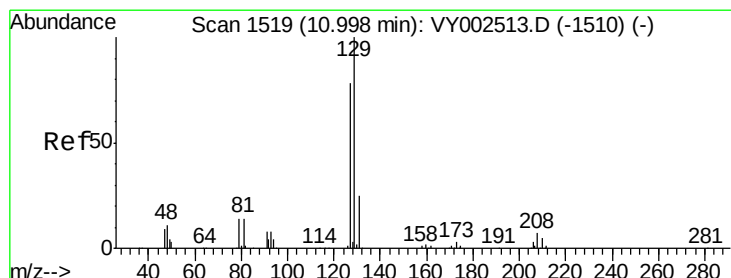
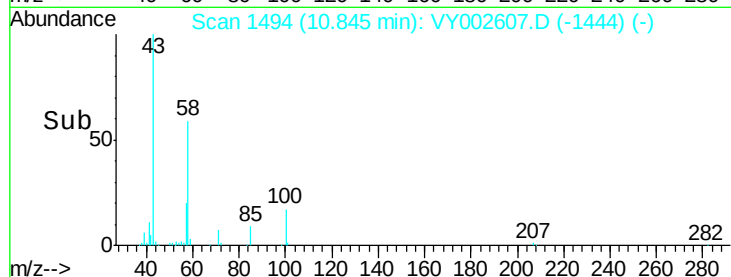
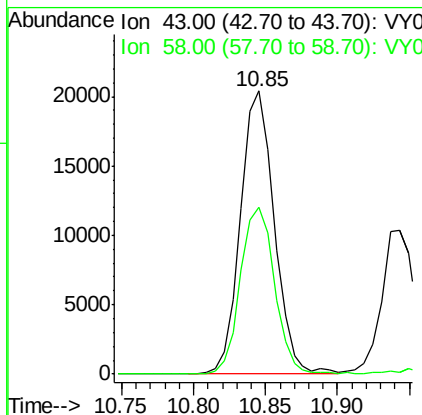
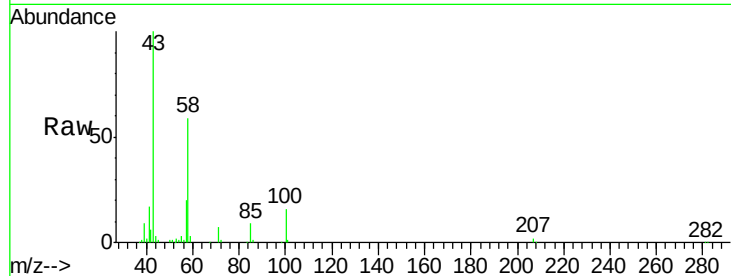
#59
2-Hexanone
Concen: 20.697 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 43 Resp: 33324
Ion Ratio Lower Upper
43 100
58 59.4 29.1 87.3

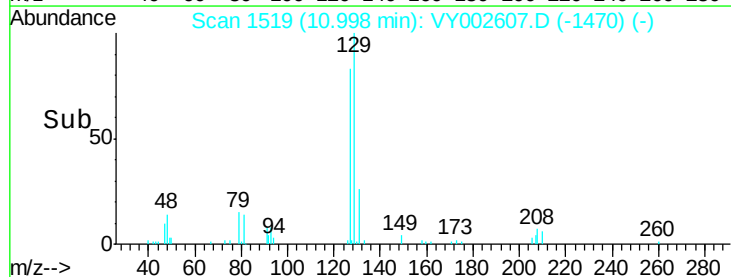
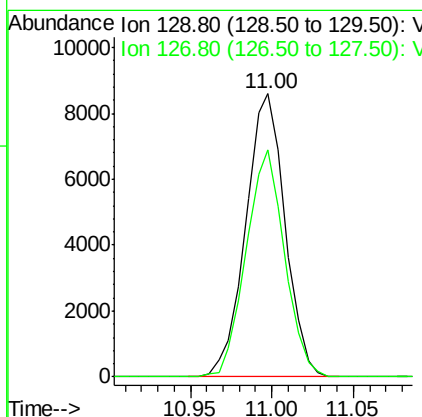
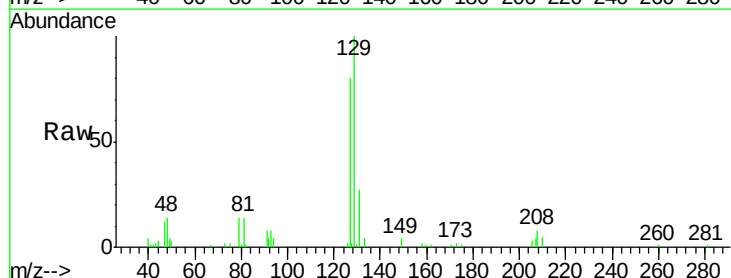
Manual Integrations
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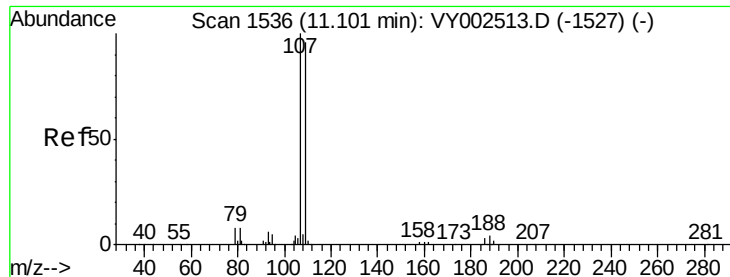
MMDadoda
5/7/2020 10:35:28 AM



#60
Dibromochloromethane
Concen: 4.108 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion: 129 Resp: 14395
Ion Ratio Lower Upper
129 100
127 78.4 39.0 117.0





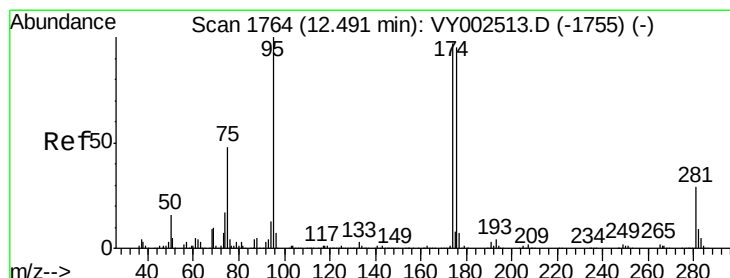
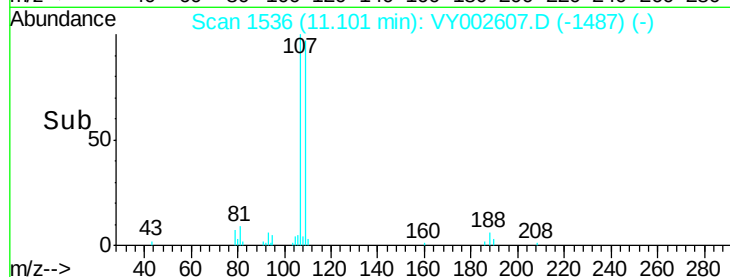
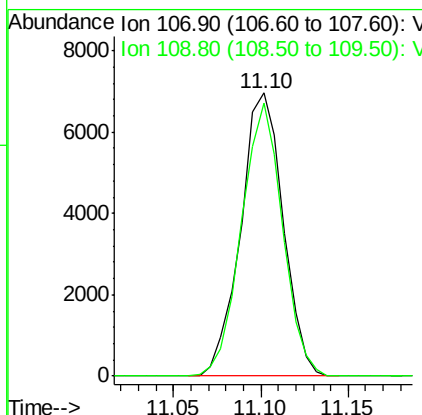
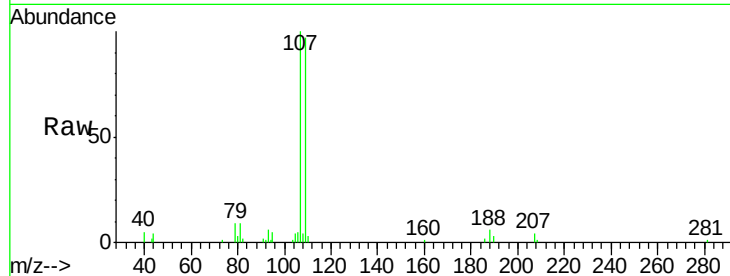
#61
 1,2-Dibromoethane
 Concen: 4.303 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.8	113.8

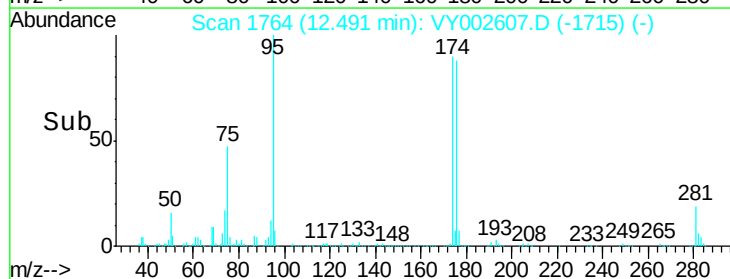
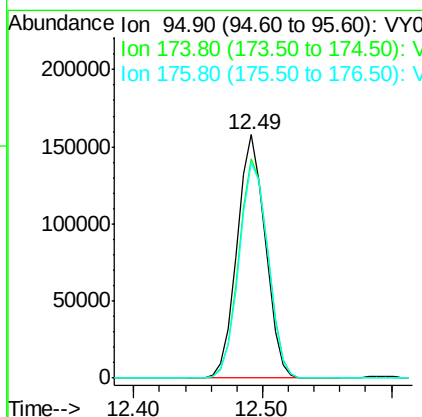
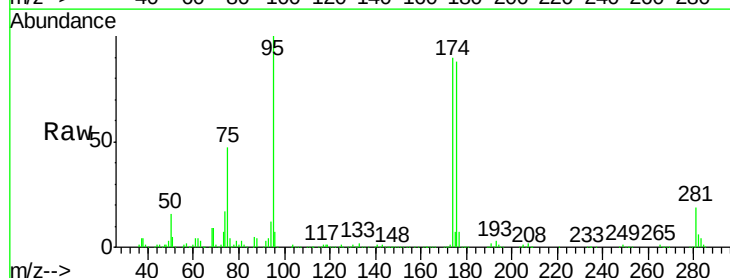
Manual Integrations
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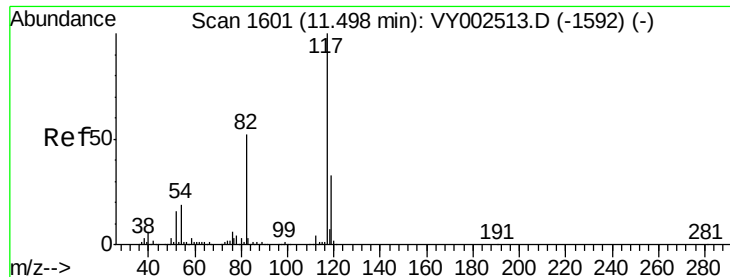
MMDadoda
 5/7/2020 10:35:28 AM



#62
 4-Bromofluorobenzene
 Concen: 56.427 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	188.8
176	90.1	0.0	183.2





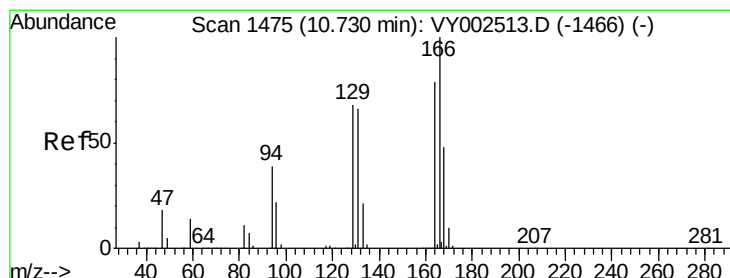
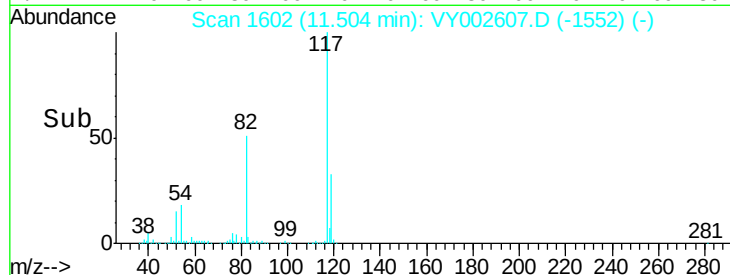
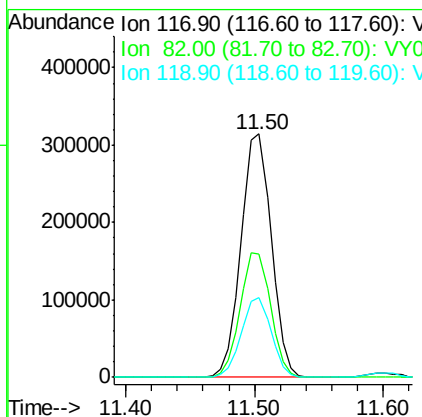
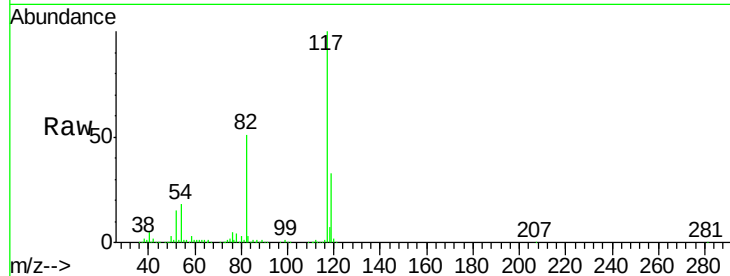
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	511776		
82	50.9		41.3	61.9
119	32.6		26.0	39.0

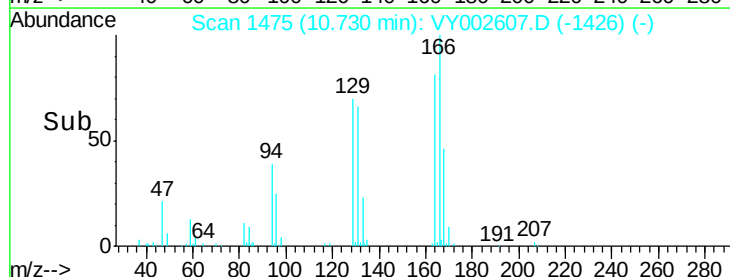
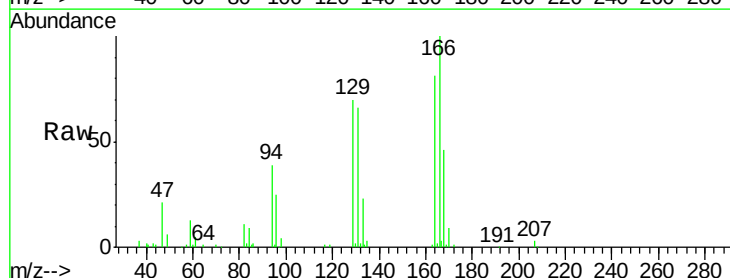
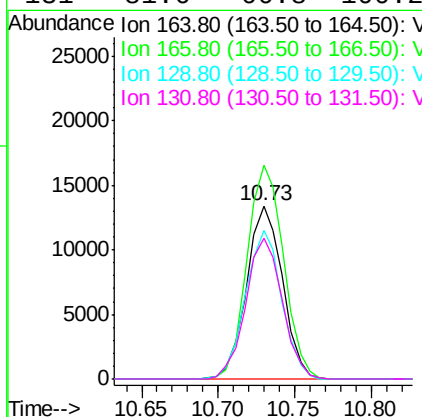
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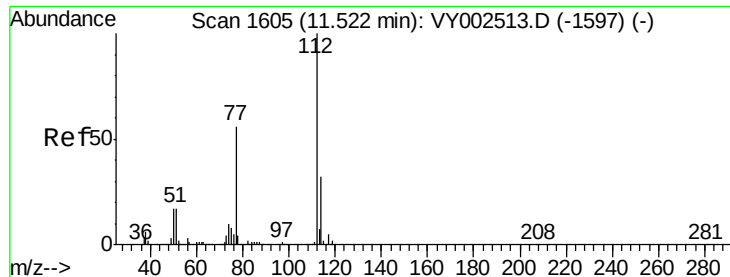
MMDadoda
5/7/2020 10:35:28 AM



#64
Tetrachloroethene
Concen: 4.811 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21874		
166	123.2		100.7	151.1
129	85.7		68.3	102.5
131	81.6		66.8	100.2





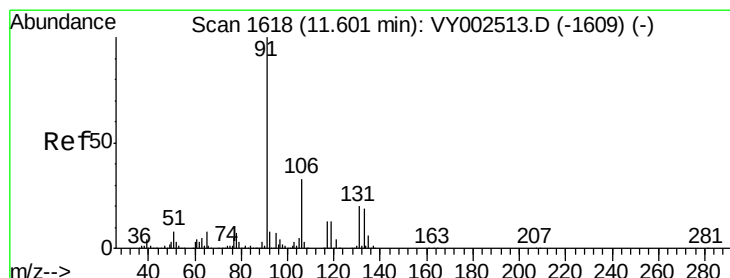
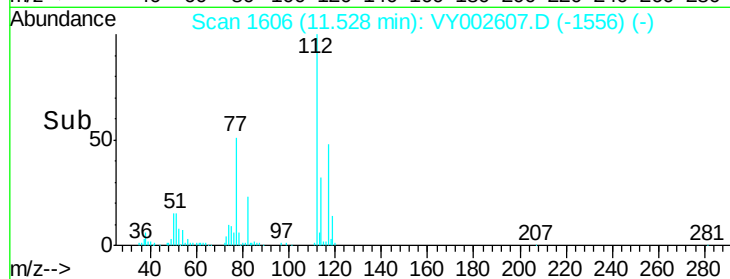
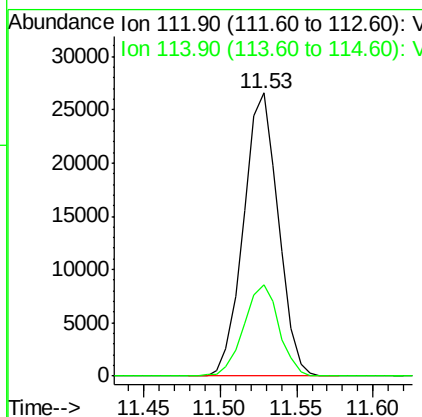
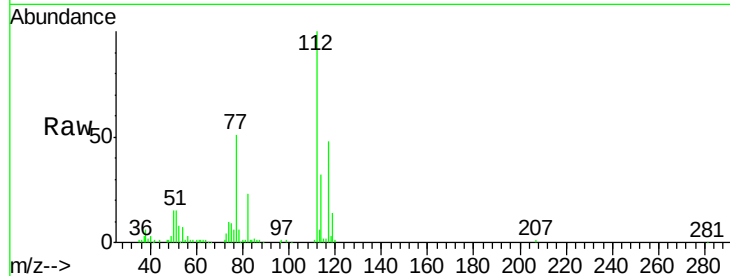
#65
Chlorobenzene
Concen: 4.311 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

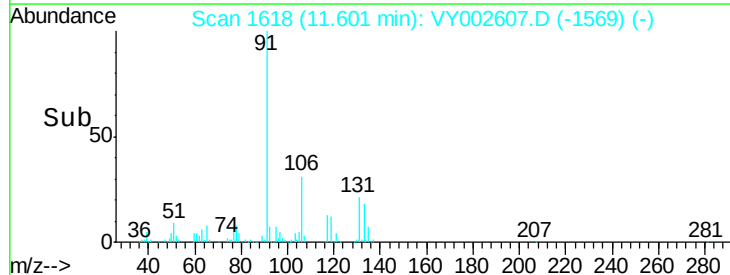
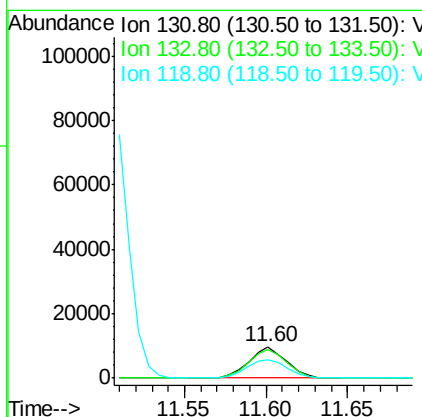
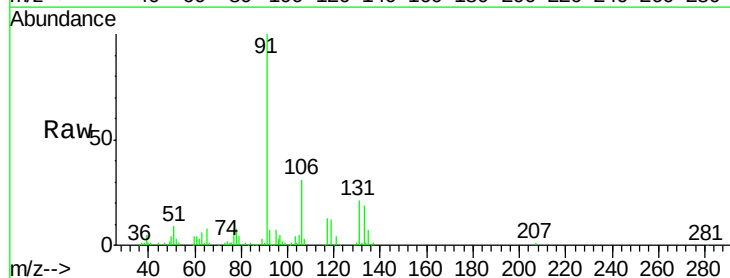
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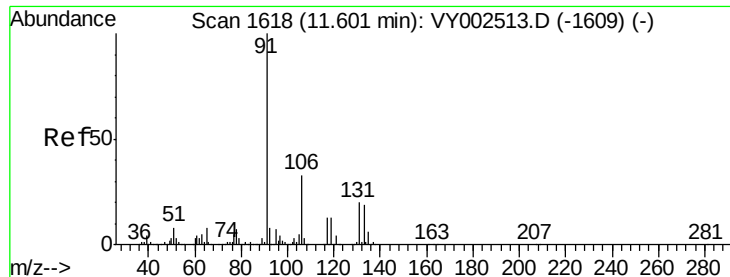
MMDadoda
5/7/2020 10:35:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.200 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.1	144.4
119	64.2	31.6	95.0





#67

Ethyl Benzene

Concen: 4.260 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 91 Resp: 72805

Ion Ratio Lower Upper

91 100

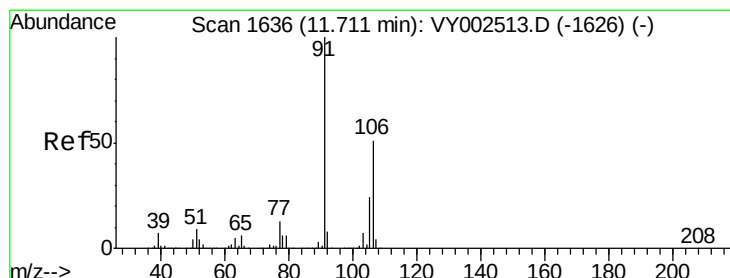
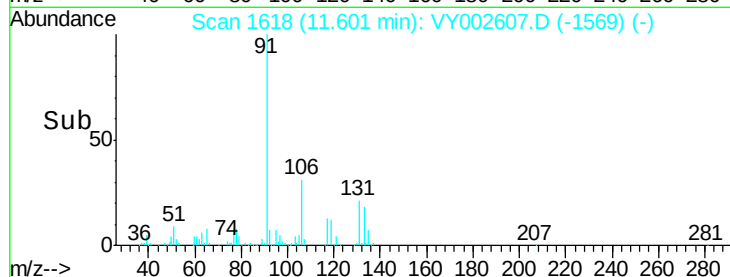
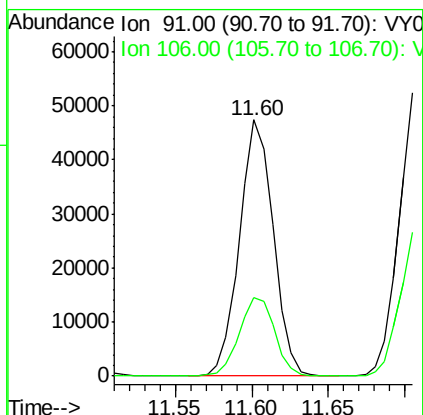
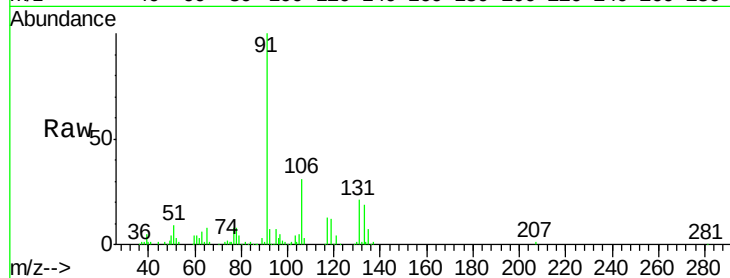
106 30.9 26.1 39.1

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5/7/2020 10:35:28 AM



#68

m/p-Xylenes

Concen: 8.380 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VY002607.D

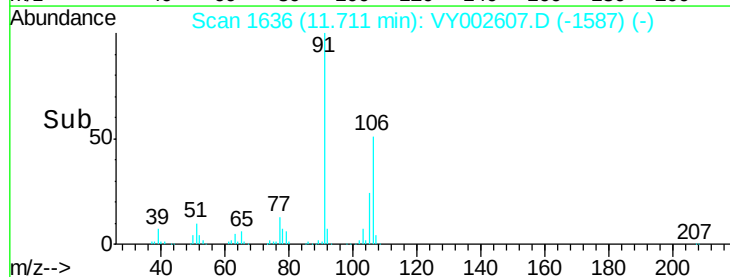
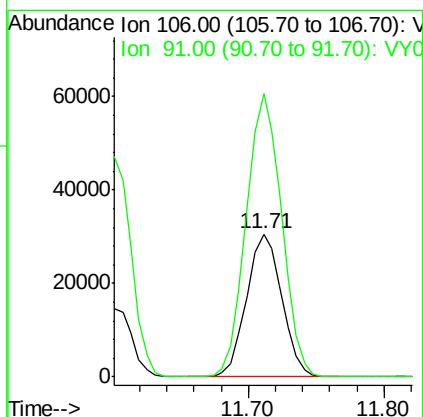
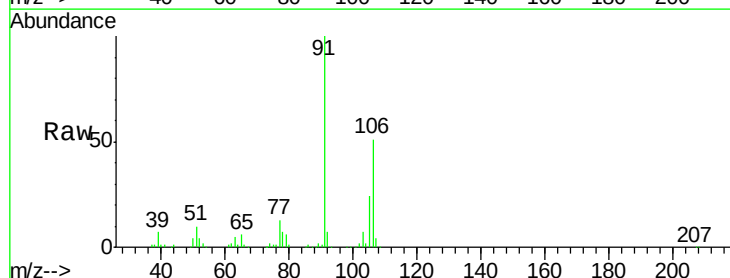
Acq: 06 May 2020 12:04

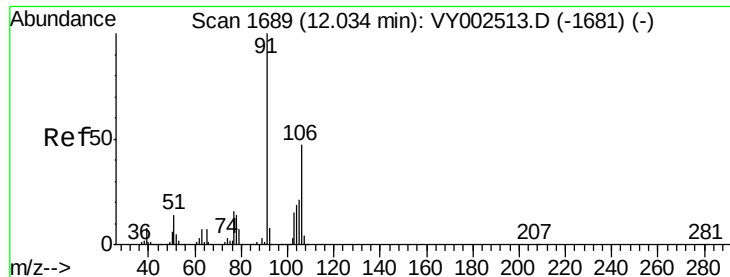
Tgt Ion: 106 Resp: 55408

Ion Ratio Lower Upper

106 100

91 199.9 155.2 232.8





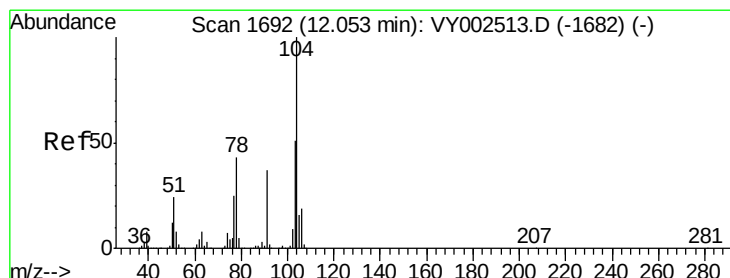
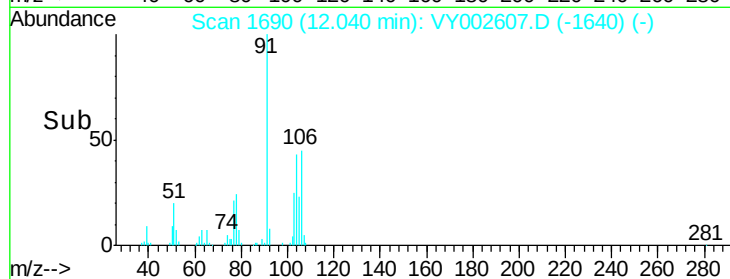
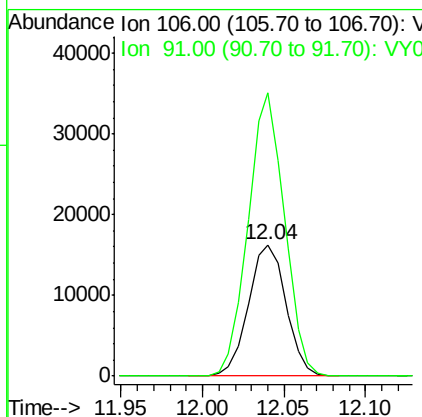
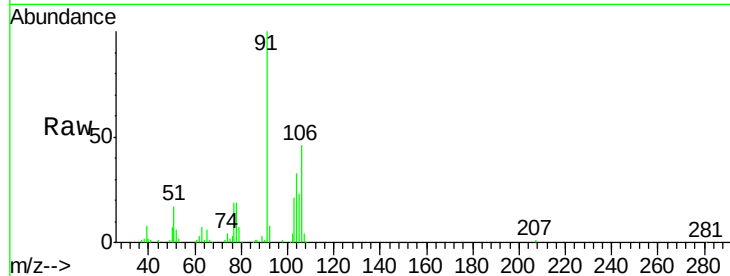
#69
o-Xylene
Concen: 4.201 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.6	103.8	311.3

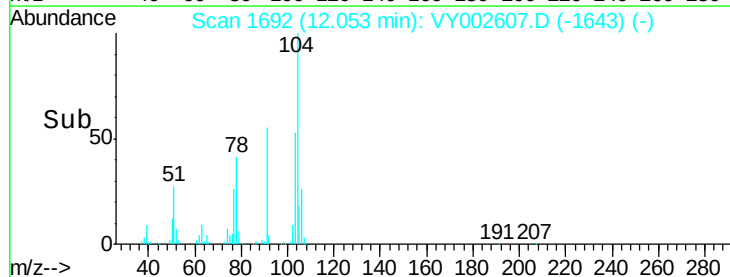
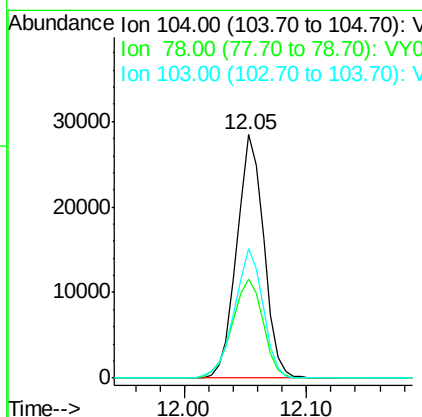
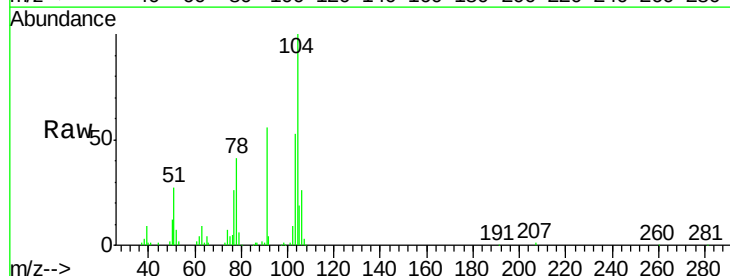
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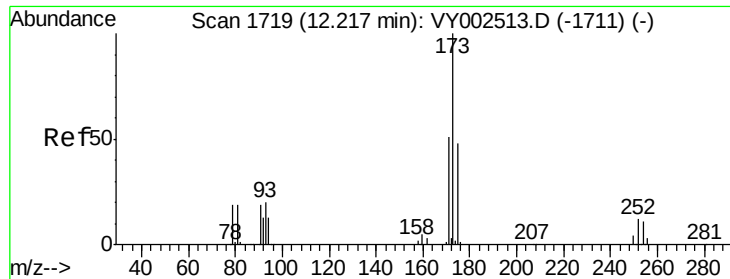
MMDadoda
5/7/2020 10:35:28 AM



#70
Styrene
Concen: 4.110 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.2	37.4	56.0
103	56.2	43.9	65.9





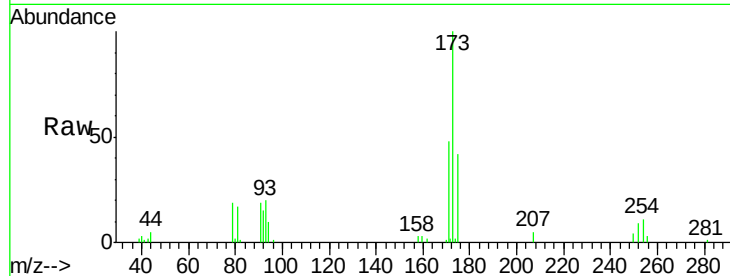
#71
Bromoform
Concen: 4.155 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

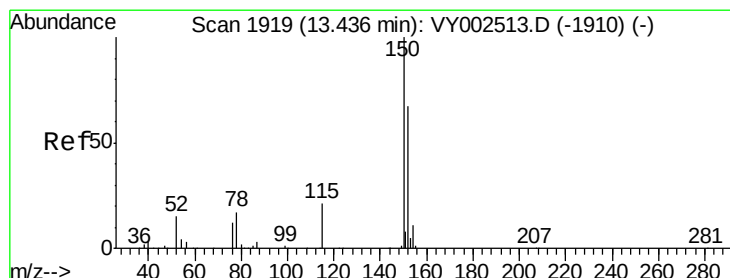
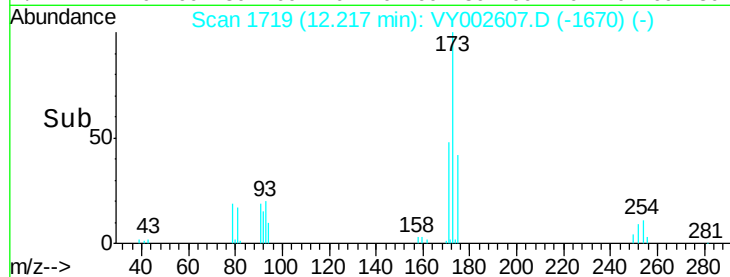
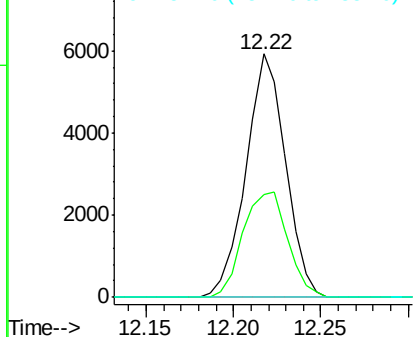
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
254	0.0	0.2	0.2

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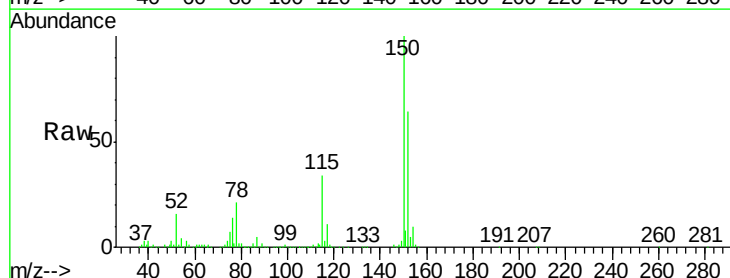


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

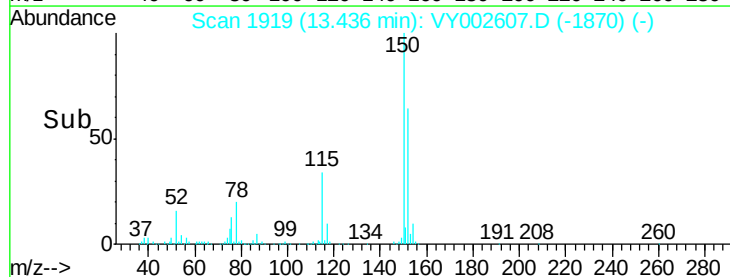
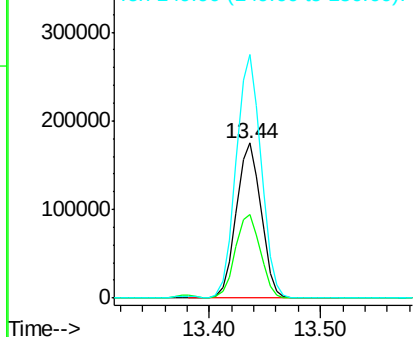


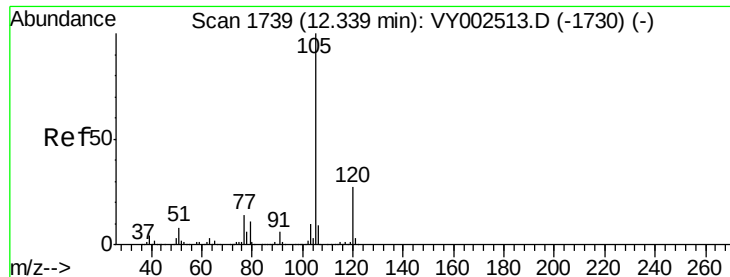
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.5	82.4
150	158.4	0.0	346.4



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





#73

Isopropylbenzene

Concen: 4.232 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 105 Resp: 73798

Ion Ratio Lower Upper

105 100

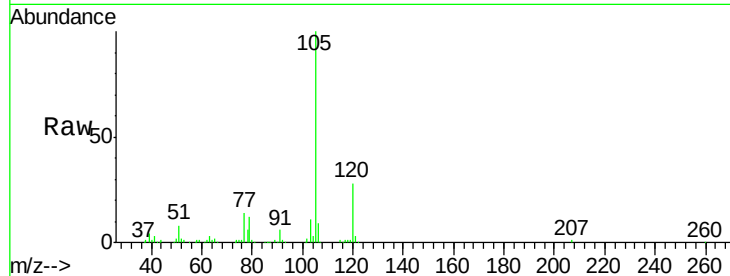
120 26.7 13.8 41.3

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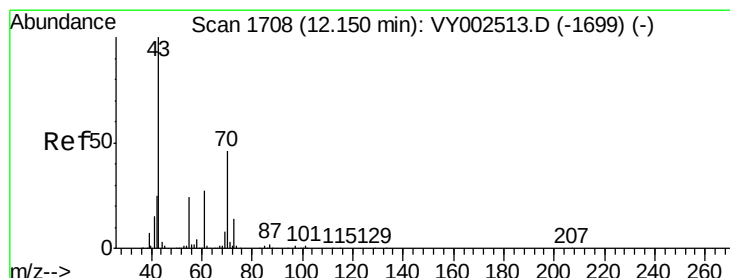
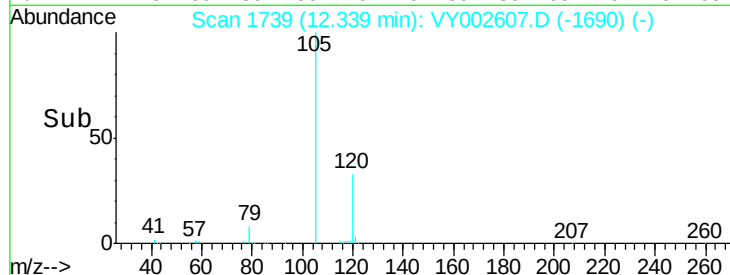
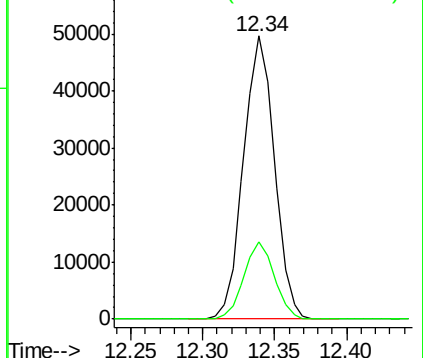
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.116 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Tgt Ion: 43 Resp: 17267

Ion Ratio Lower Upper

43 100

70 45.1 36.7 55.1

55 26.0 19.2 28.8

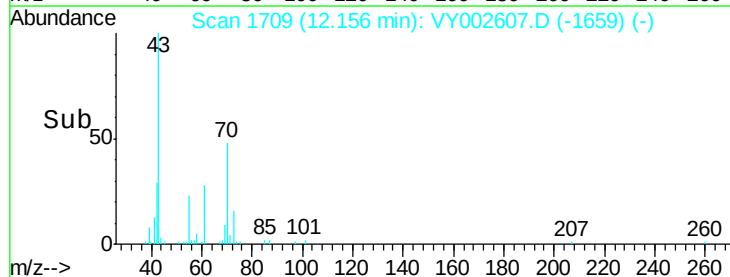
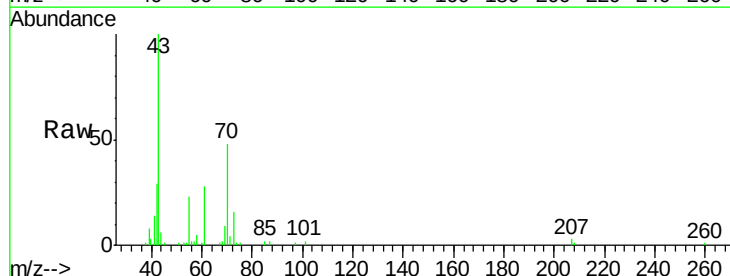
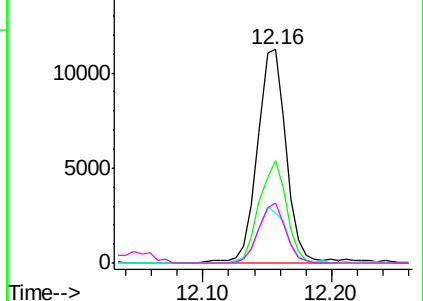
61 26.0 21.1 31.7

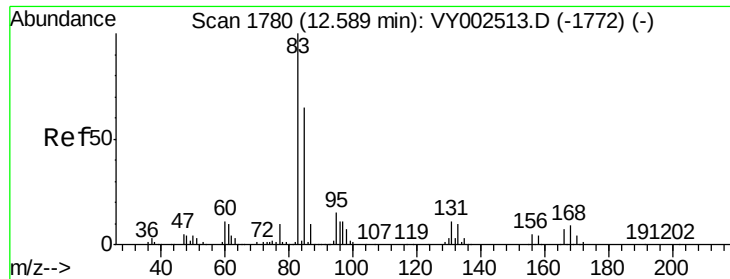
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





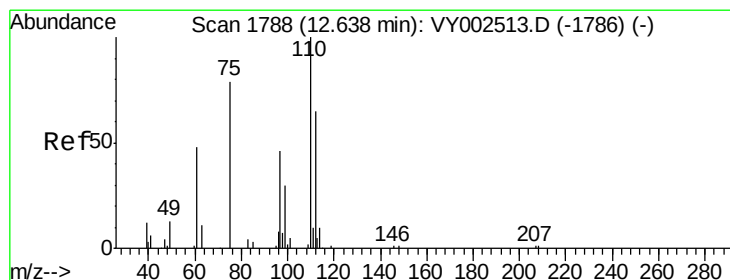
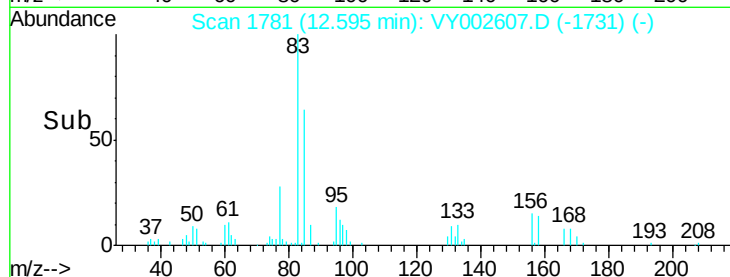
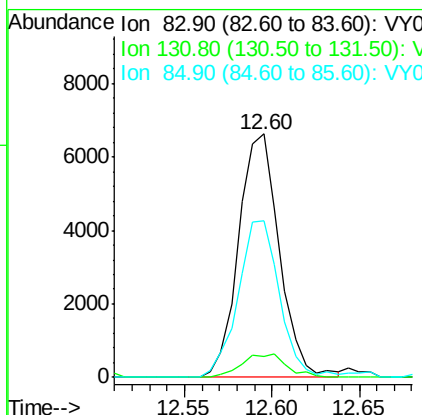
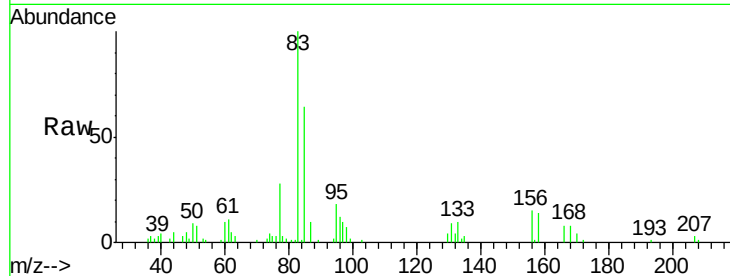
#75
 1,1,2,2-Tetrachloroethane
 Concen: 3.873 ug/l
 RT: 12.60 min Scan# 1781
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.9	5.9	17.8	
85	65.4	31.9	95.9	

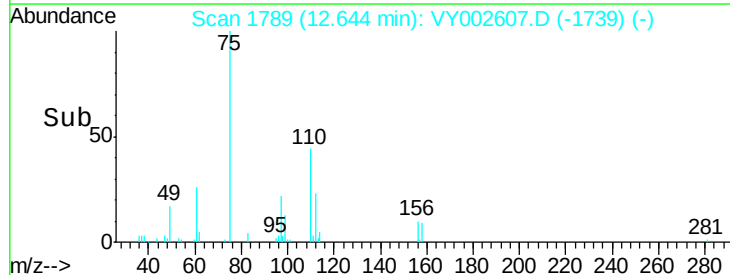
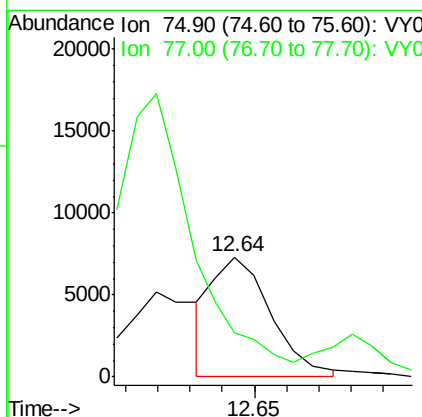
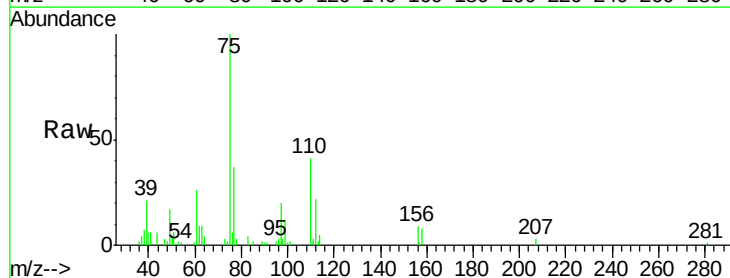
Manual Integrations
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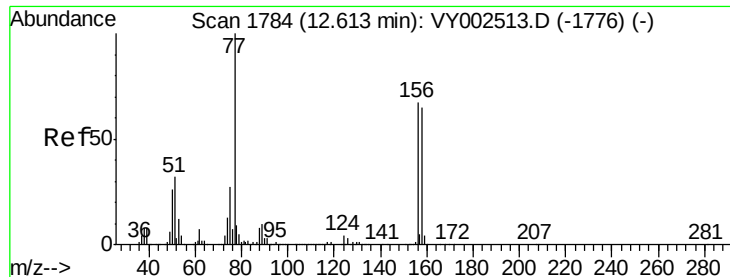
MMDadoda
 5/7/2020 10:35:28 AM



#76
 1,2,3-Trichloropropane
 Concen: 3.920 ug/l m
 RT: 12.64 min Scan# 1789
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

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





#77

Bromobenzene

Concen: 4.241 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

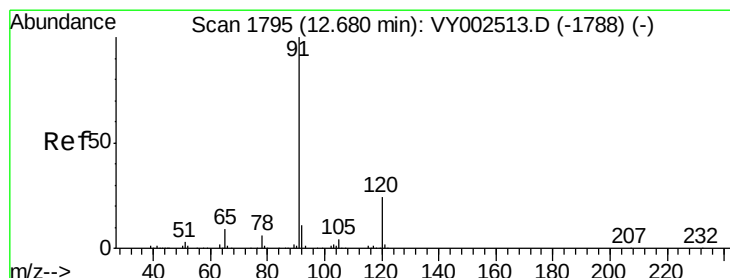
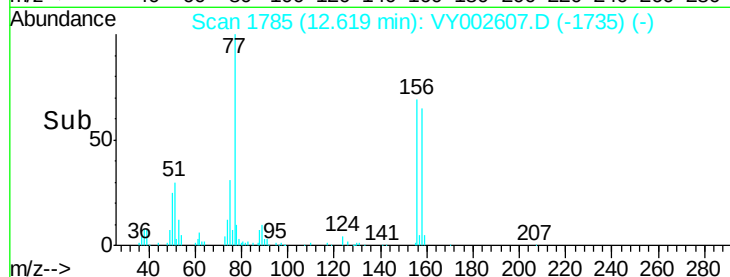
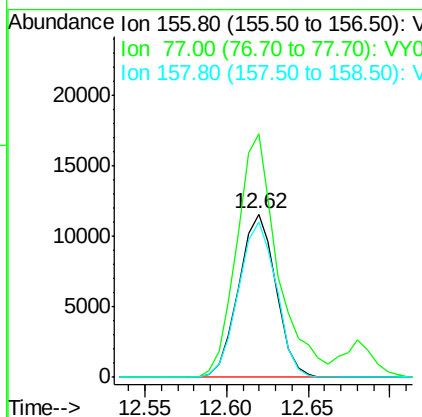
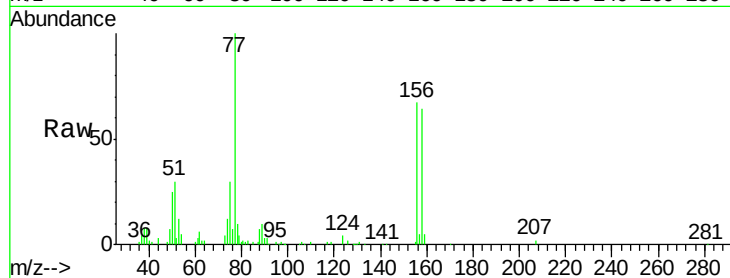
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	156	Resp:	18475
Ion Ratio	Lower	Upper	
156	100		
77	164.1	82.0	245.8
158	96.6	48.5	145.6

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#78

n-propylbenzene

Concen: 4.229 ug/l

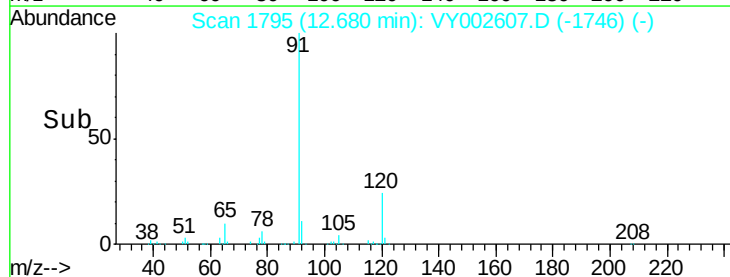
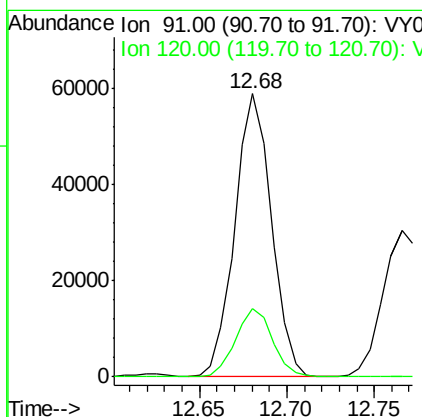
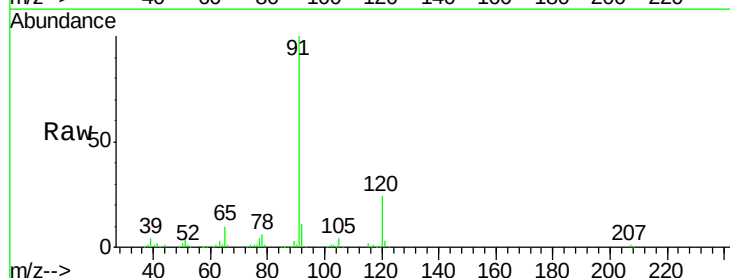
RT: 12.68 min Scan# 1795

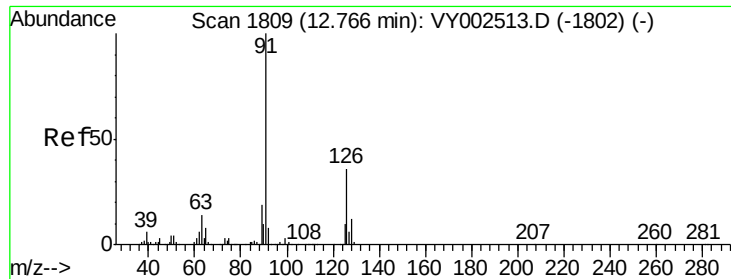
Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Tgt Ion:	91	Resp:	85582
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.2	36.4





#79

2-Chlorotoluene

Concen: 4.289 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 91 Resp: 48073

Ion Ratio Lower Upper

91 100

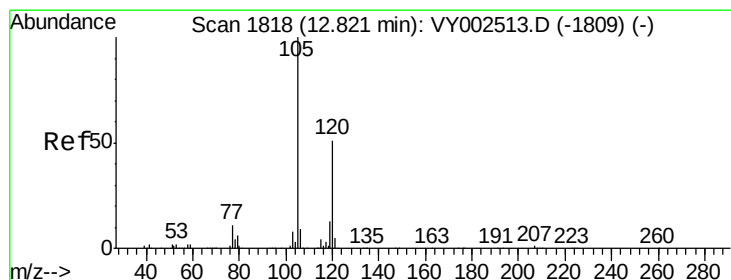
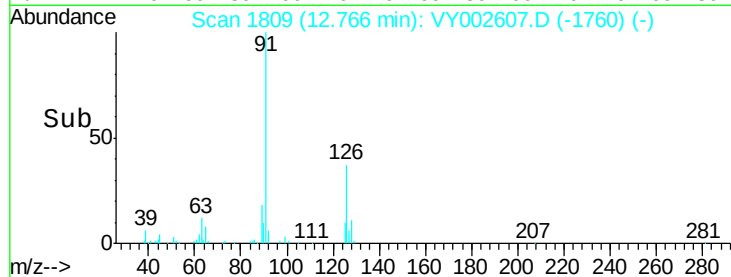
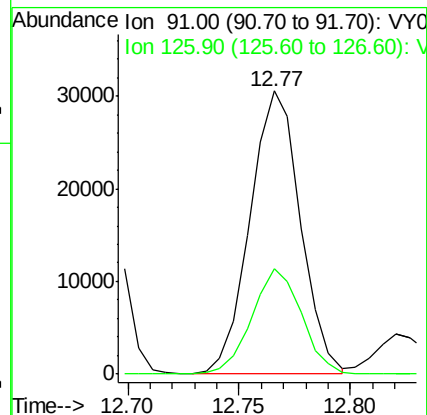
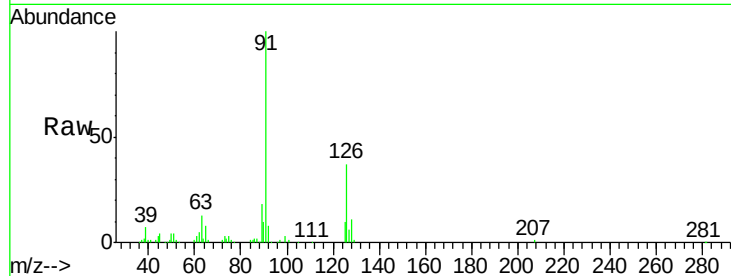
126 36.6 18.4 55.2

Manual Integrations

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5/7/2020 10:35:28 AM



#80

1,3,5-Trimethylbenzene

Concen: 4.122 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002607.D

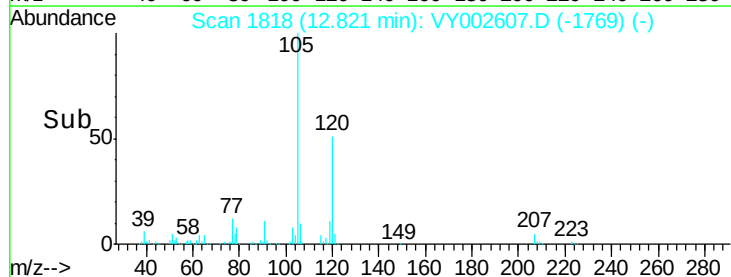
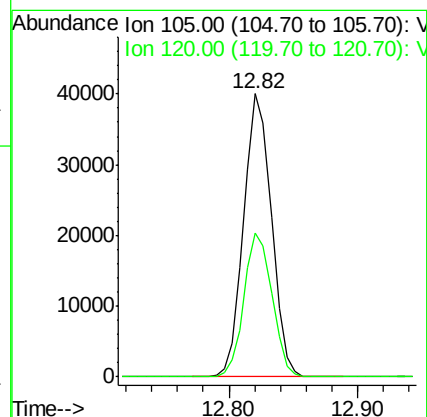
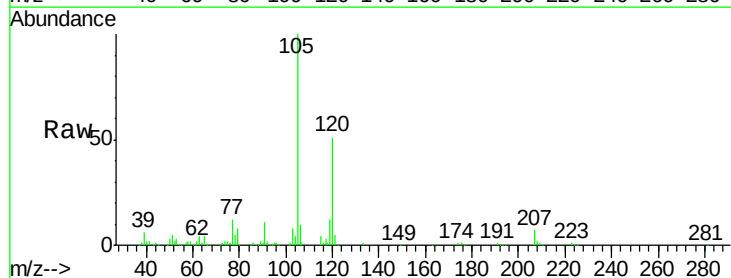
Acq: 06 May 2020 12:04

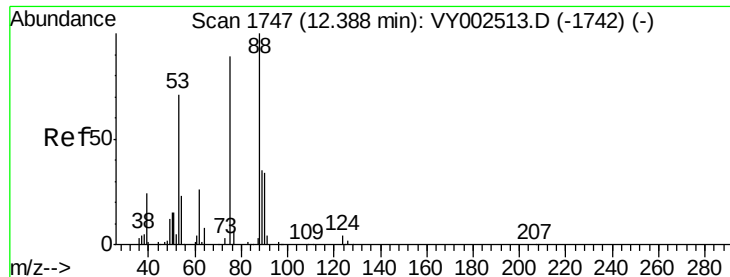
Tgt Ion: 105 Resp: 59583

Ion Ratio Lower Upper

105 100

120 51.3 25.3 75.9





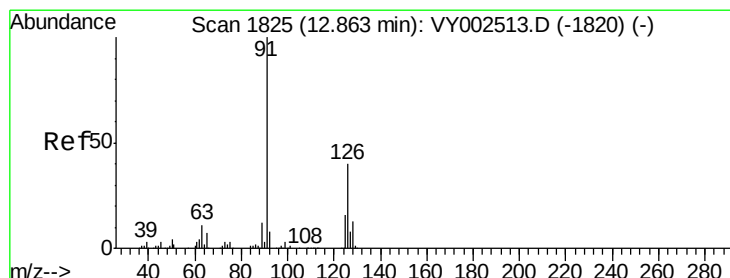
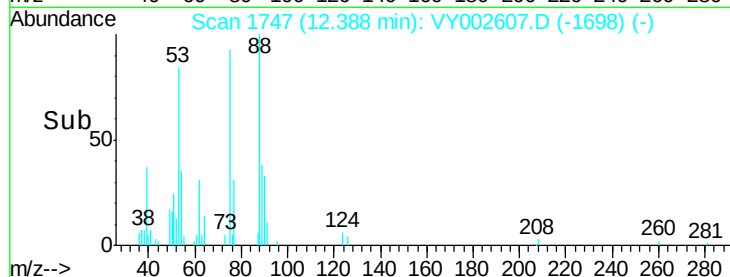
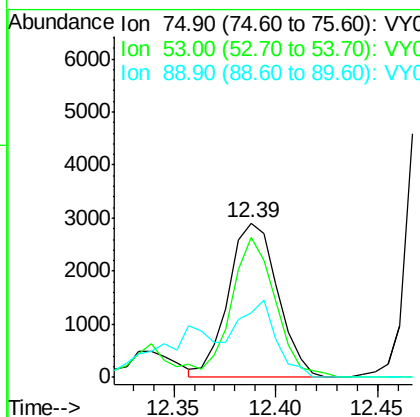
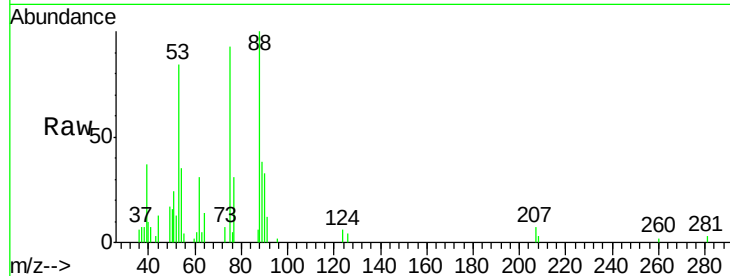
#81
trans-1,4-Dichloro-2-butene
Concen: 4.083 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.6	67.4	101.0
89	42.0	37.4	56.0

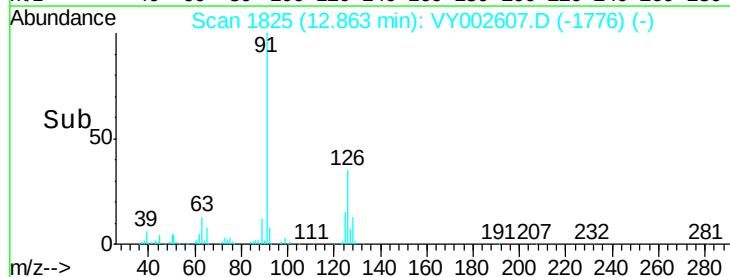
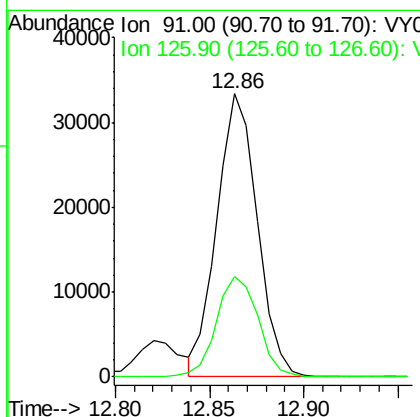
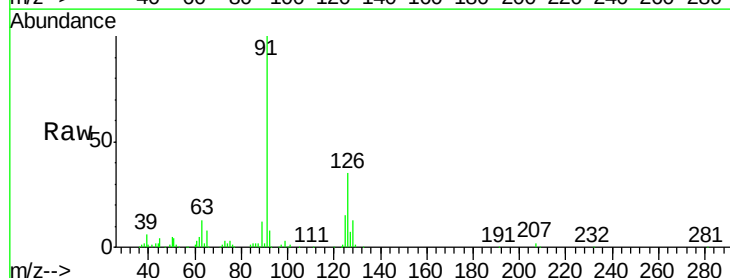
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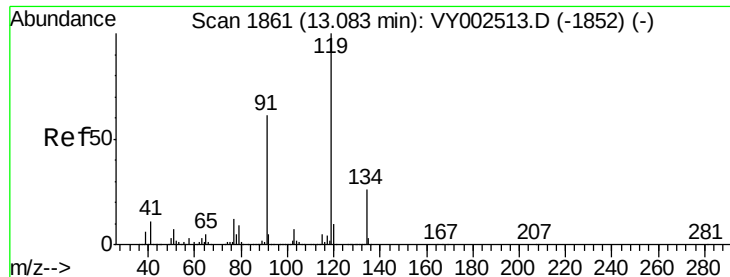
MMDadoda
5/7/2020 10:35:28 AM



#82
4-Chlorotoluene
Concen: 4.213 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.5	55.5





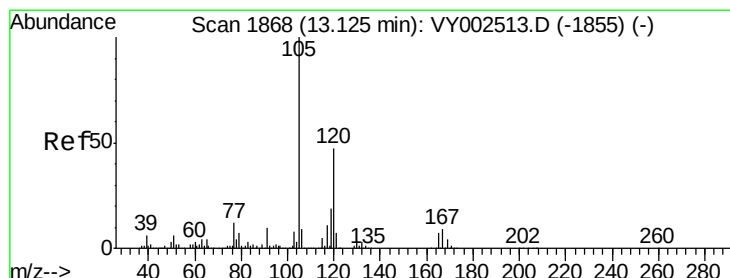
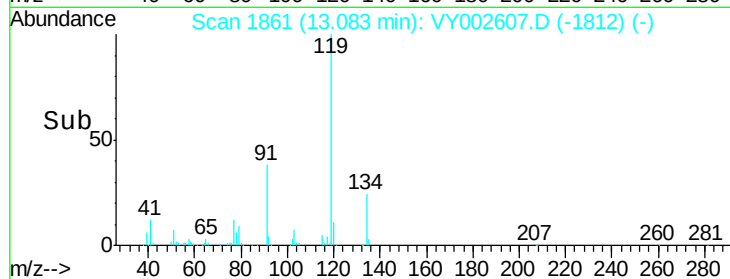
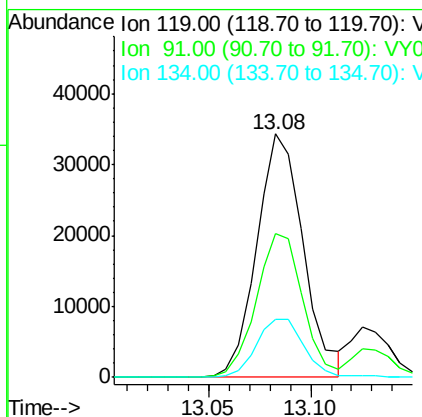
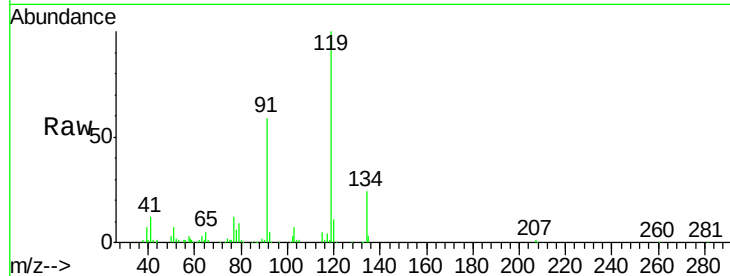
#83
tert-Butylbenzene
Concen: 4.299 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.0	30.6	91.6
134	24.9	13.5	40.4

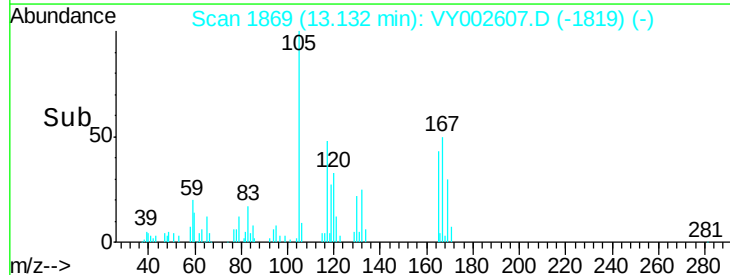
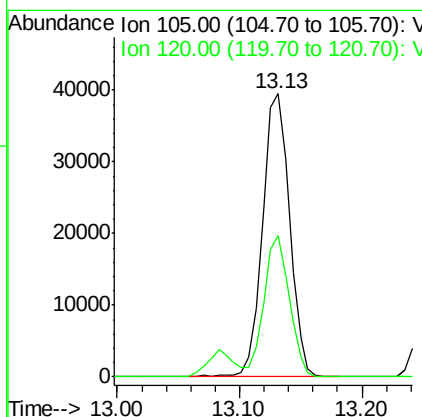
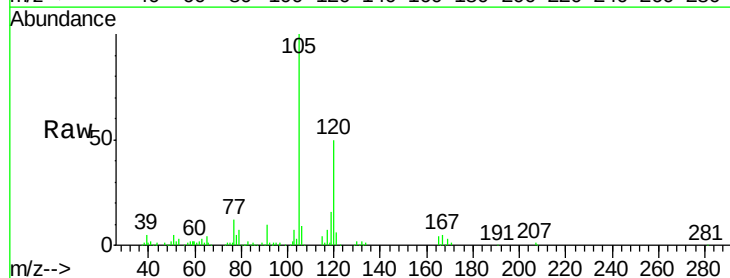
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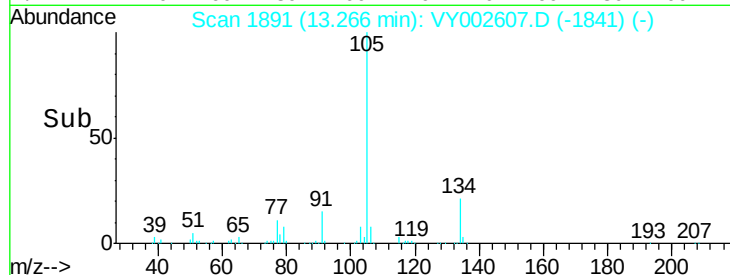
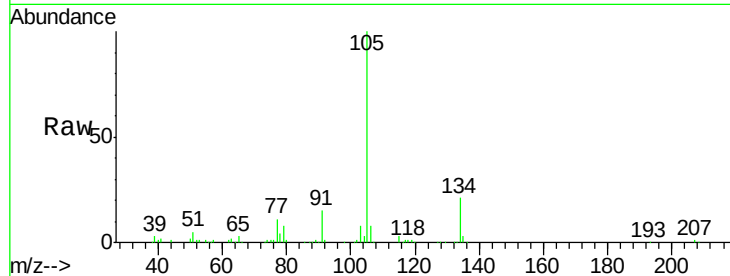
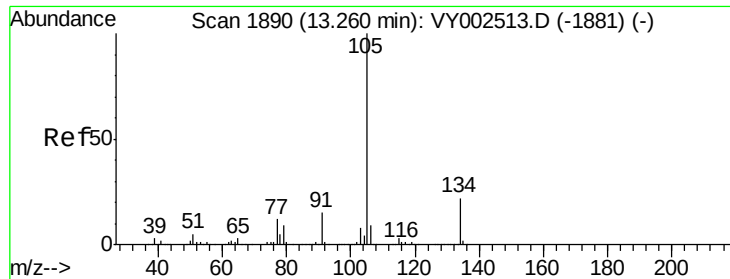
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.230 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.4	70.3





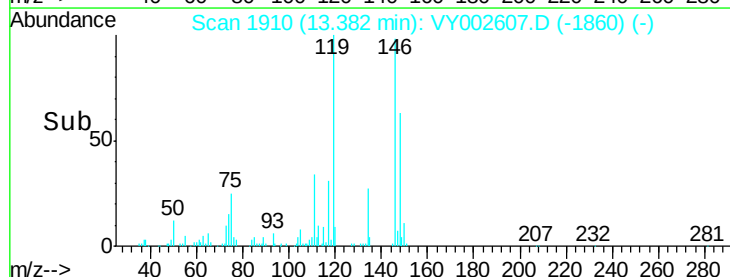
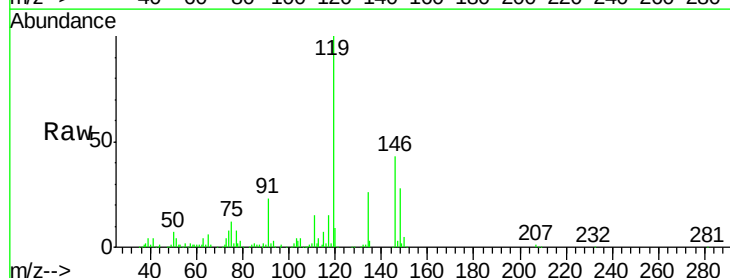
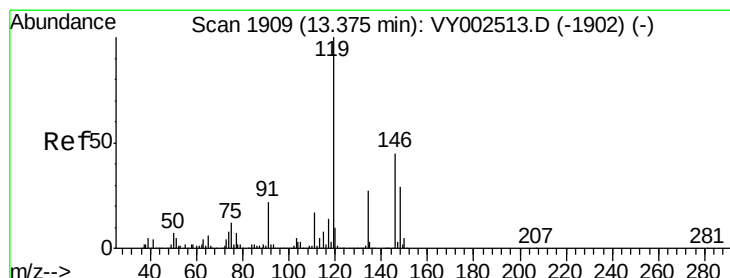
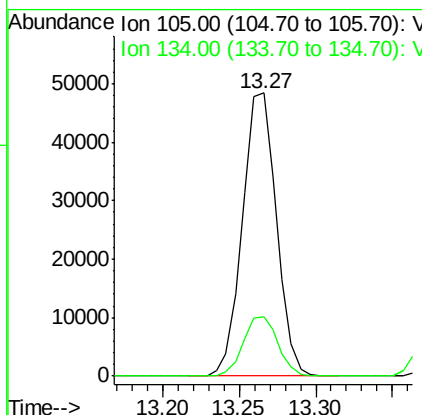
#85
 sec-Butylbenzene
 Concen: 4.254 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tot Ion: 105 Resp: 74818
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.8 32.3

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

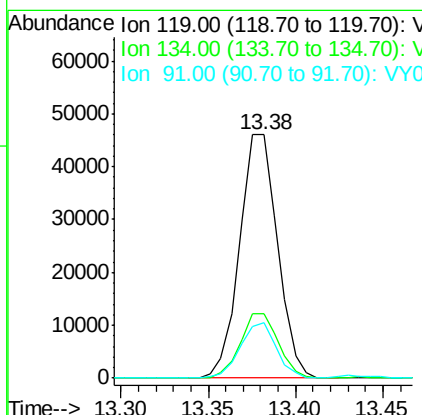
Manual Integrations
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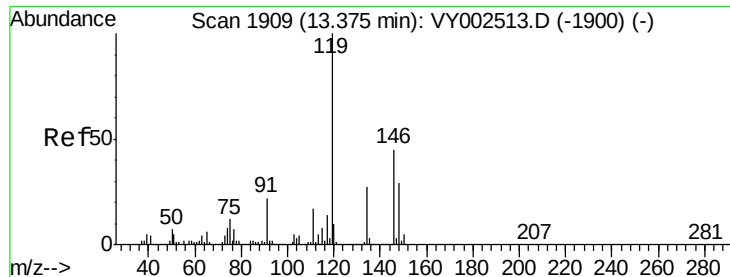
MMDadoda
 5/7/2020 10:35:28 AM



#86
 p-Isopropyltoluene
 Concen: 4.230 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion: 119 Resp: 69710
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.5
 91 21.7 10.9 32.9





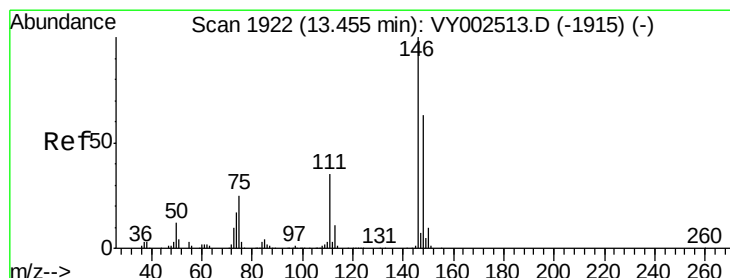
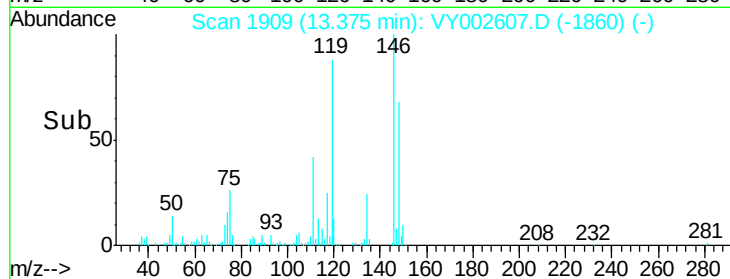
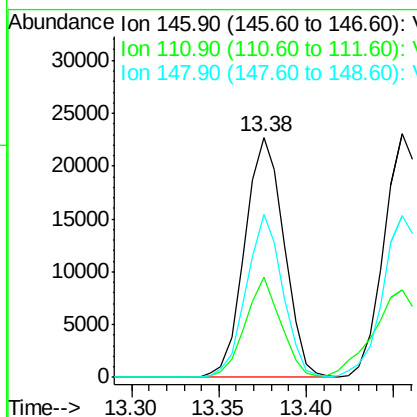
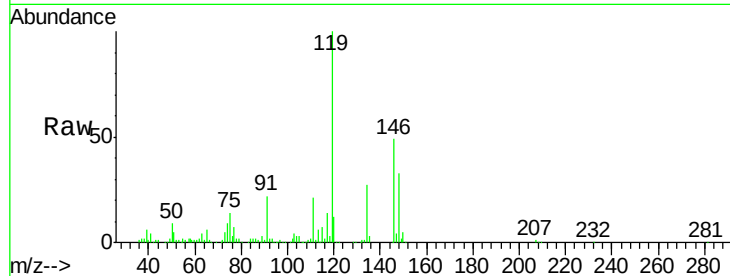
#87
 1,3-Dichlorobenzene
 Concen: 4.299 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.3
148	62.9	32.1	96.3

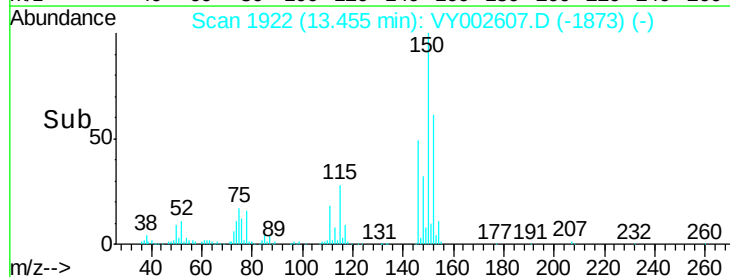
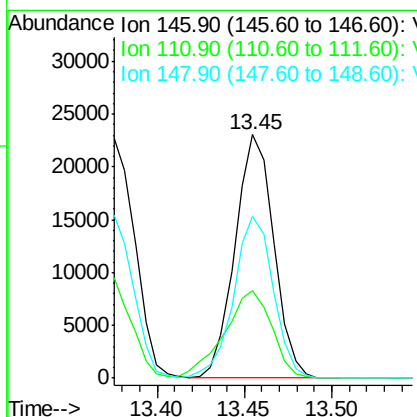
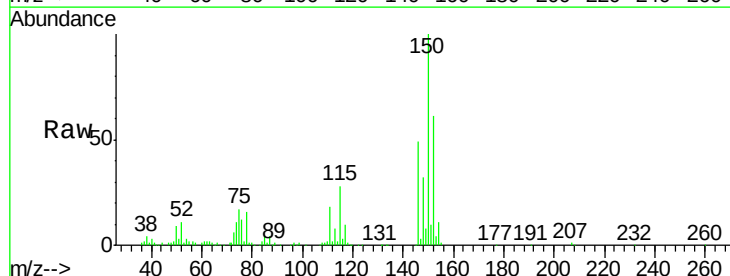
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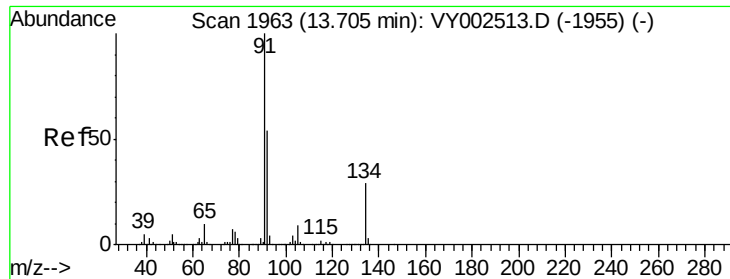
MMDadoda
 5/7/2020 10:35:28 AM



#88
 1,4-Dichlorobenzene
 Concen: 4.349 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	18.1	54.1
148	68.0	31.9	95.5





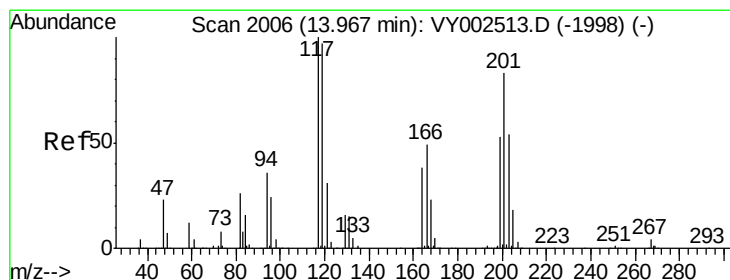
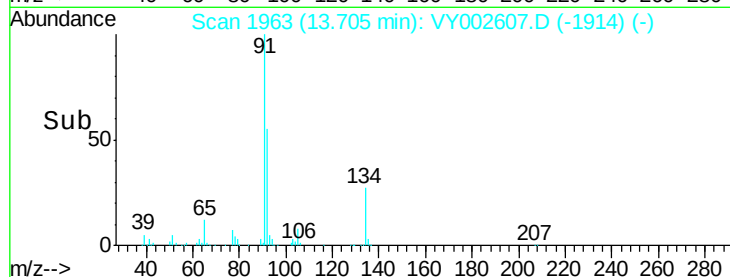
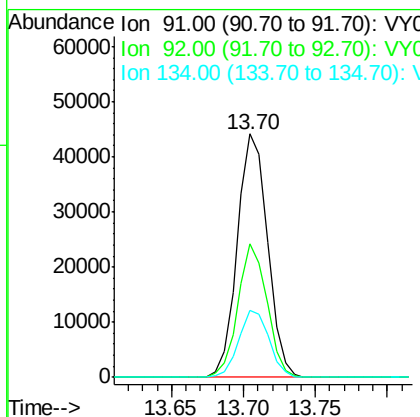
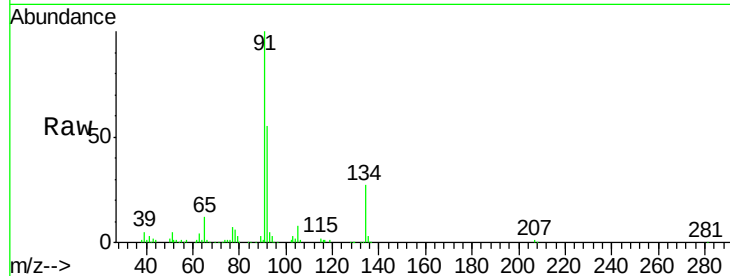
#89
n-Butylbenzene
Concen: 4.293 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.1	81.3
134	27.4	14.4	43.0

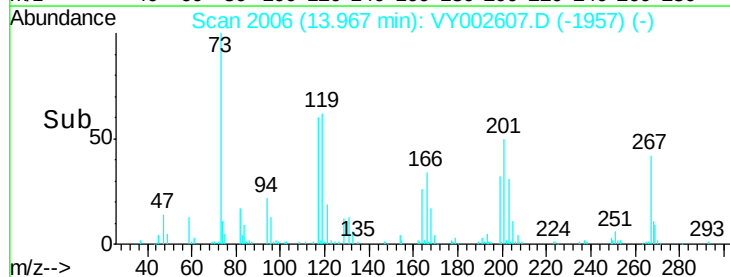
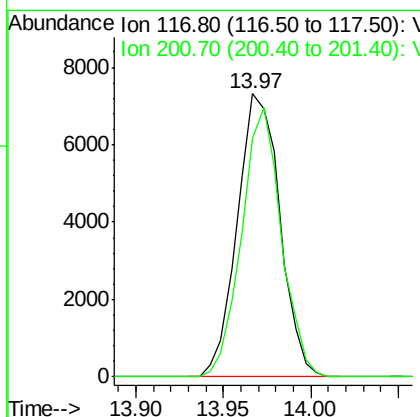
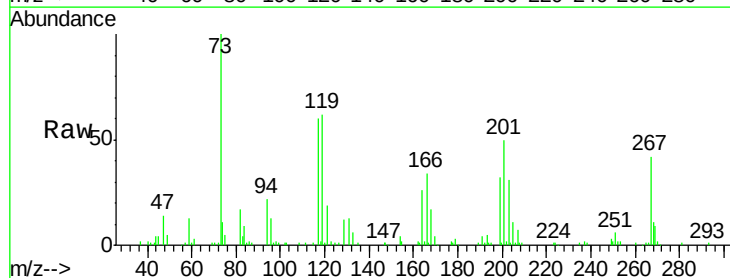
Manual Integrations
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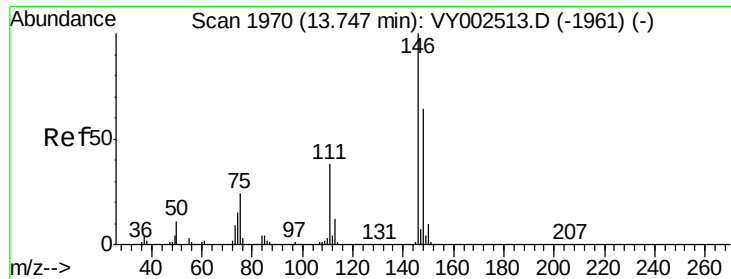
MMDadoda
5/7/2020 10:35:28 AM



#90
Hexachloroethane
Concen: 4.134 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.2	44.4	133.2





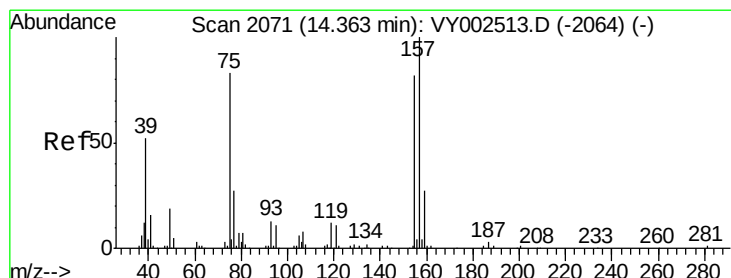
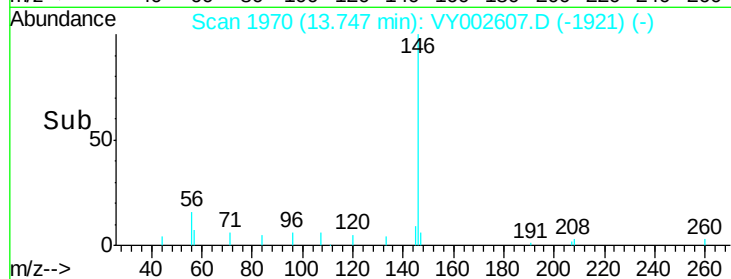
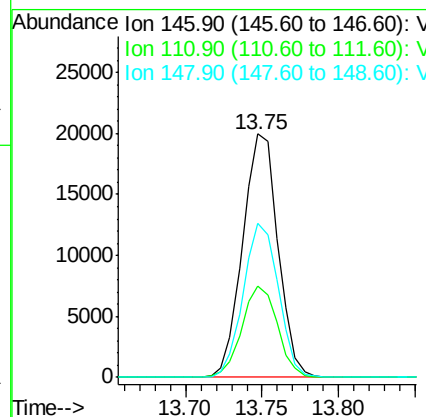
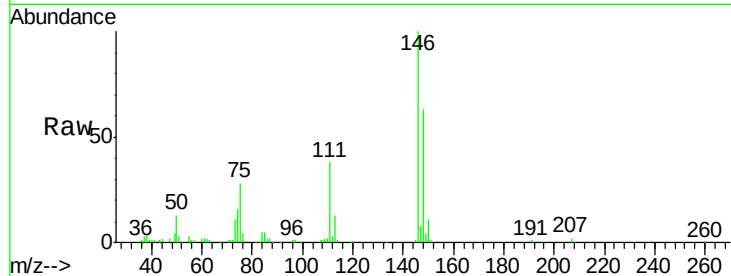
#91
 1,2-Dichlorobenzene
 Concen: 4.356 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	63.1	31.9	95.7

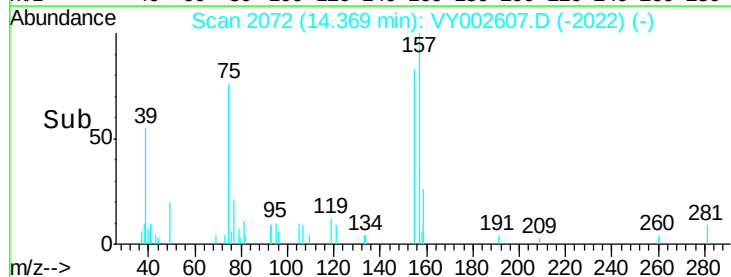
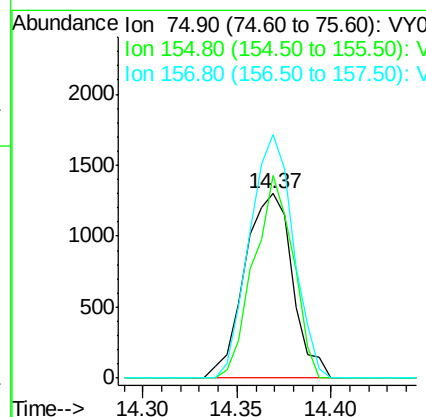
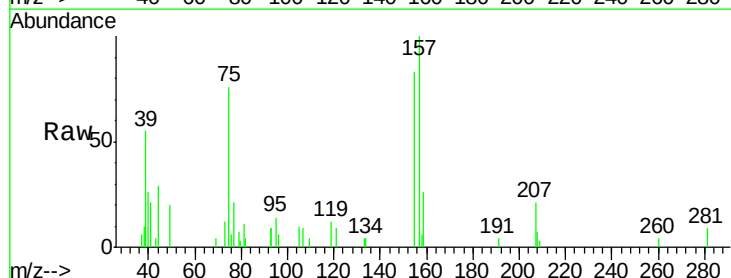
Manual Integrations
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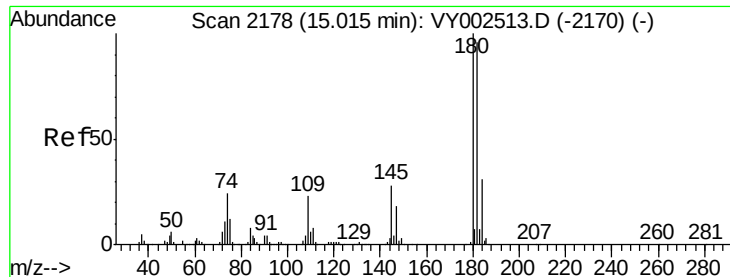
MMDadoda
 5/7/2020 10:35:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.420 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	51.3	153.9
157	121.1	65.0	195.0





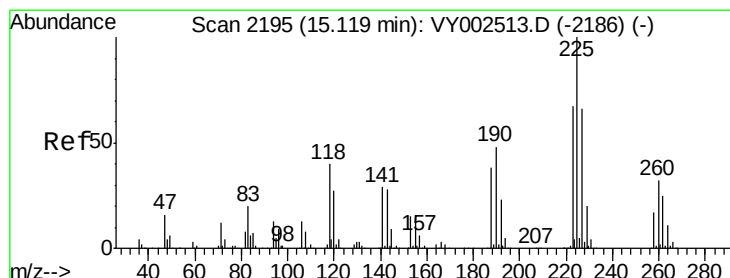
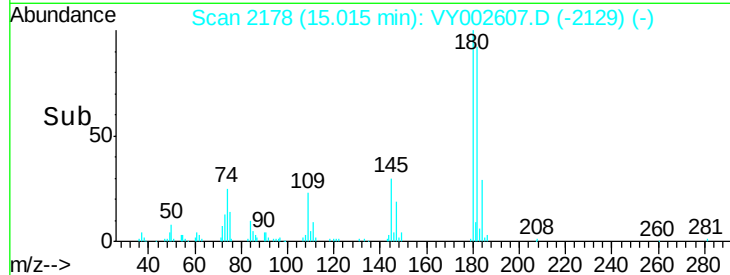
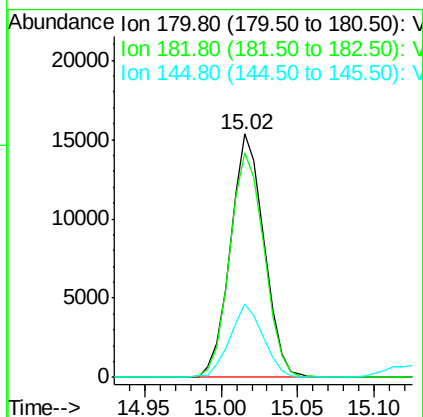
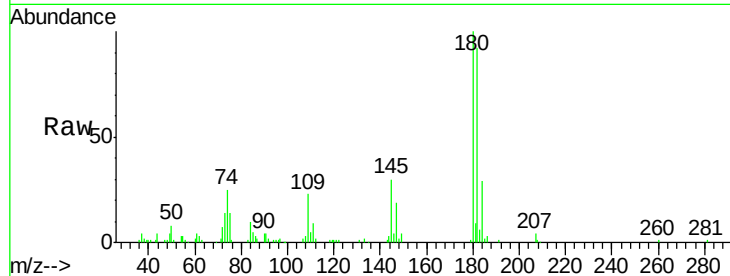
#93
 1,2,4-Trichlorobenzene
 Concen: 4.369 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	180	Resp:	23337
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.9	143.6
145	29.9	14.4	43.0

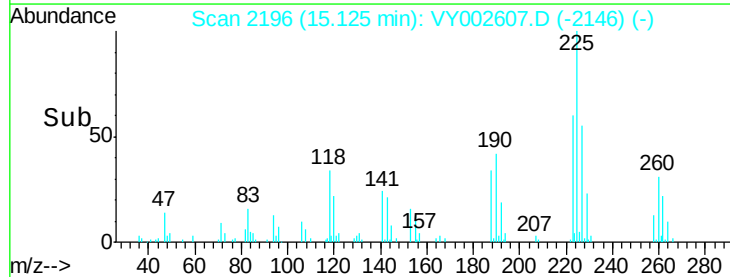
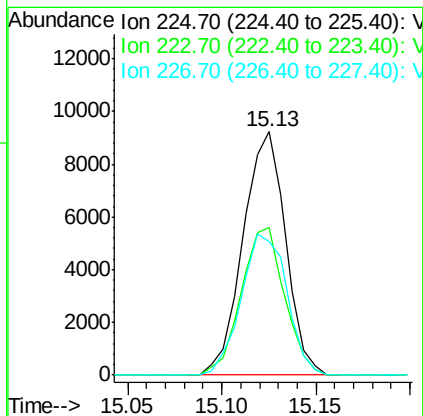
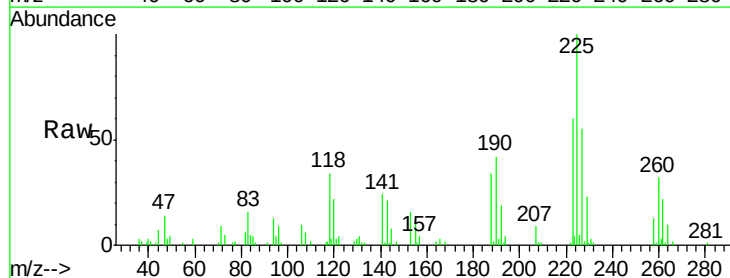
Manual Integrations
 APPROVED

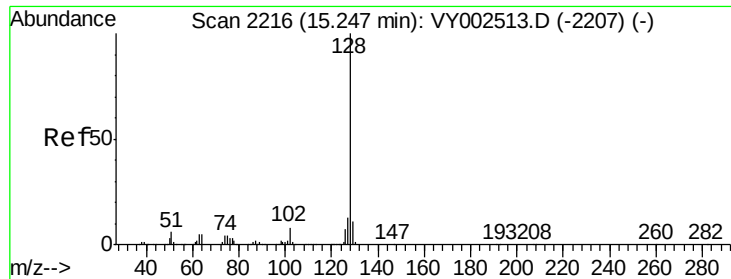
MMDadoda
 5/7/2020 10:35:28 AM



#94
 Hexachlorobutadiene
 Concen: 4.495 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion:	225	Resp:	14413
Ion Ratio	Lower	Upper	
225	100		
223	62.0	32.1	96.5
227	62.3	32.0	96.2





#95

Naphthalene

Concen: 4.336 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

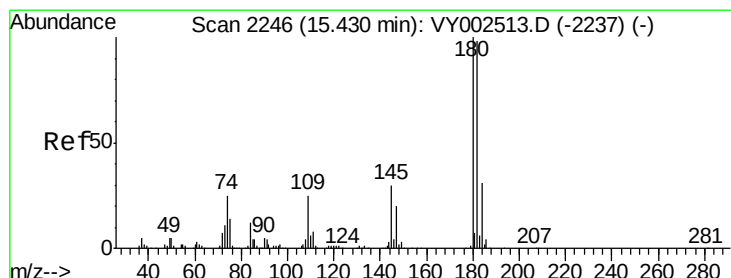
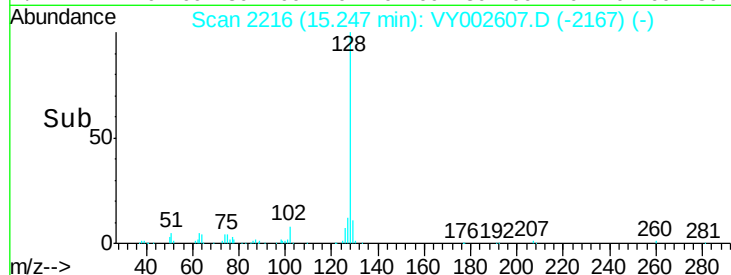
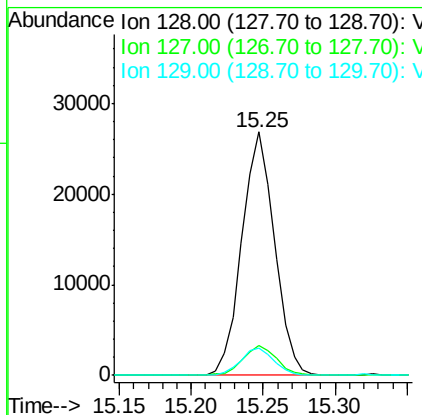
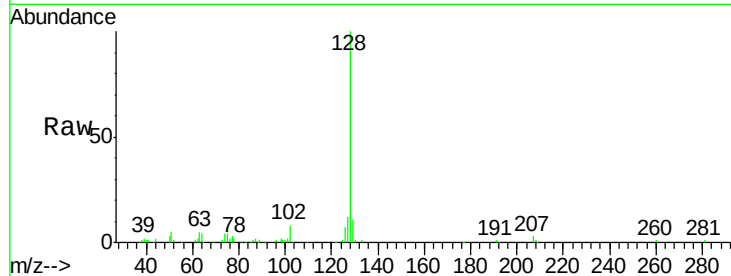
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	128	Resp:	42253
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.5	15.7
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.367 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Tgt Ion:	180	Resp:	19803
Ion Ratio	Lower	Upper	
180	100		
182	97.2	47.9	143.8
145	33.1	15.0	45.1

