

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112320\
 Data File : VY003592.D
 Acq On : 23 Nov 2020 16:14
 Operator : SY/MD
 Sample : L4485-02
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Manual Integrations
 APPROVED

apatel
 12/9/2020 6:18:20 AM

Quant Time: Nov 24 08:04:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112320SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 24 07:59:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	211174	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	197062	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	92897	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	72138	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.84%
7) Chloroethane-d5	2.77	69	55942	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.44%
11) 1,1-Dichloroethene-d2	3.85	63	117353	18.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.32%
21) 2-Butanone-d5	6.90	46	61680	48.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.78%
24) Chloroform-d	7.48	84	142054	23.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.12%
26) 1,2-Dichloroethane-d4	8.14	65	80430	24.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.32%
32) Benzene-d6	8.11	84	308023	24.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.28%
36) 1,2-Dichloropropane-d6	9.12	67	91359	23.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.92%
41) Toluene-d8	10.17	98	273609	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.32%
43) trans-1,3-Dichloropropene-	10.44	79	42926	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.00%
47) 2-Hexanone-d5	10.78	63	47489	49.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.14%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	80050	24.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.28%
66) 1,2-Dichlorobenzene-d4	13.72	152	85911	26.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	1066	0.944 ug/L #	84
3) Chloromethane	2.11	50	3123	1.462 ug/L #	76
5) Vinyl chloride	2.25	62	4051	1.346 ug/L #	27
6) Bromomethane	2.66	94	2647	1.202 ug/L	93
8) Chloroethane	2.80	64	2512	1.335 ug/L #	81
9) Trichlorofluoromethane	3.13	101	2720	1.238 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	4536m	1.574 ug/L	
12) 1,1-Dichloroethene	3.87	96	4555	1.486 ug/L #	1
13) Acetone	3.96	43	2967	3.488 ug/L	75
14) Carbon disulfide	4.20	76	12400	1.273 ug/L	97
15) Methyl Acetate	4.49	43	3000m	1.328 ug/L	
16) Methylene chloride	4.71	84	15327	3.711 ug/L	96
17) trans-1,2-Dichloroethene	5.22	96	4156	1.280 ug/L	95
18) Methyl tert-butyl Ether	5.22	73	5932	1.228 ug/L #	71
19) 1,1-Dichloroethane	6.02	63	7077	1.282 ug/L #	91
20) cis-1,2-Dichloroethene	6.99	96	4222m	1.247 ug/L	
22) 2-Butanone	7.00	43	4979	3.448 ug/L #	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.34	128	2029	1.248	ug/L	85
25) Chloroform	7.50	83	7611	1.388	ug/L	98
27) 1,2-Dichloroethane	8.24	62	4878	1.322	ug/L	100
29) Cyclohexane	7.78	56	5482	1.133	ug/L #	62
30) 1,1,1-Trichloroethane	7.71	97	5253	1.233	ug/L	98
31) Carbon tetrachloride	7.89	117	4868m	1.168	ug/L	
33) Benzene	8.16	78	15660	1.211	ug/L	100
34) Trichloroethene	8.94	95	4091	1.276	ug/L	86
35) Methylcyclohexane	9.18	83	5787	1.149	ug/L	94
37) 1,2-Dichloropropane	9.22	63	4138	1.264	ug/L	98
38) Bromodichloromethane	9.50	83	5164	1.243	ug/L	95
39) cis-1,3-Dichloropropene	9.92	75	6163	1.218	ug/L	90
40) 4-Methyl-2-pentanone	10.07	43	6543	2.378	ug/L	97
42) Toluene	10.24	91	16700	1.229	ug/L	94
44) trans-1,3-Dichloropropene	10.46	75	6271m	1.336	ug/L	
45) 1,1,2-Trichloroethane	10.64	97	3370	1.272	ug/L	92
46) Tetrachloroethene	10.71	164	3272	1.164	ug/L	86
48) 2-Hexanone	10.83	43	4895	2.297	ug/L #	95
49) Dibromochloromethane	10.98	129	3754	1.208	ug/L	92
50) 1,2-Dibromoethane	11.08	107	2935	1.131	ug/L #	93
51) Chlorobenzene	11.51	112	11187	1.294	ug/L #	87
52) Ethylbenzene	11.59	91	16176	1.167	ug/L	96
53) m,p-Xylene	11.70	106	6429	1.202	ug/L	94
54) o-Xylene	12.03	106	5263	1.164	ug/L	91
55) Styrene	12.04	104	9253	1.046	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.58	83	4310	1.351	ug/L #	85
59) Bromoform	12.20	173	2368	1.198	ug/L	93
60) Isopropylbenzene	12.33	105	11148	1.189	ug/L #	97
61) 1,2,3-Trichloropropane	12.63	75	3140	1.391	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	8195	1.189	ug/L	97
63) 1,2,4-Trimethylbenzene	13.11	105	8712	1.192	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	7687	1.291	ug/L	89
65) 1,4-Dichlorobenzene	13.44	146	8237	1.329	ug/L	96
67) 1,2-Dichlorobenzene	13.73	146	6729	1.337	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.35	75	641m	1.585	ug/L	
69) 1,3,5-Trichlorobenzene	14.50	180	4003	1.246	ug/L #	91
70) 1,2,4-trichlorobenzene	15.00	180	3246	1.168	ug/L #	88
71) Naphthalene	15.23	128	5640	1.123	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	2496	1.188	ug/L	95

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

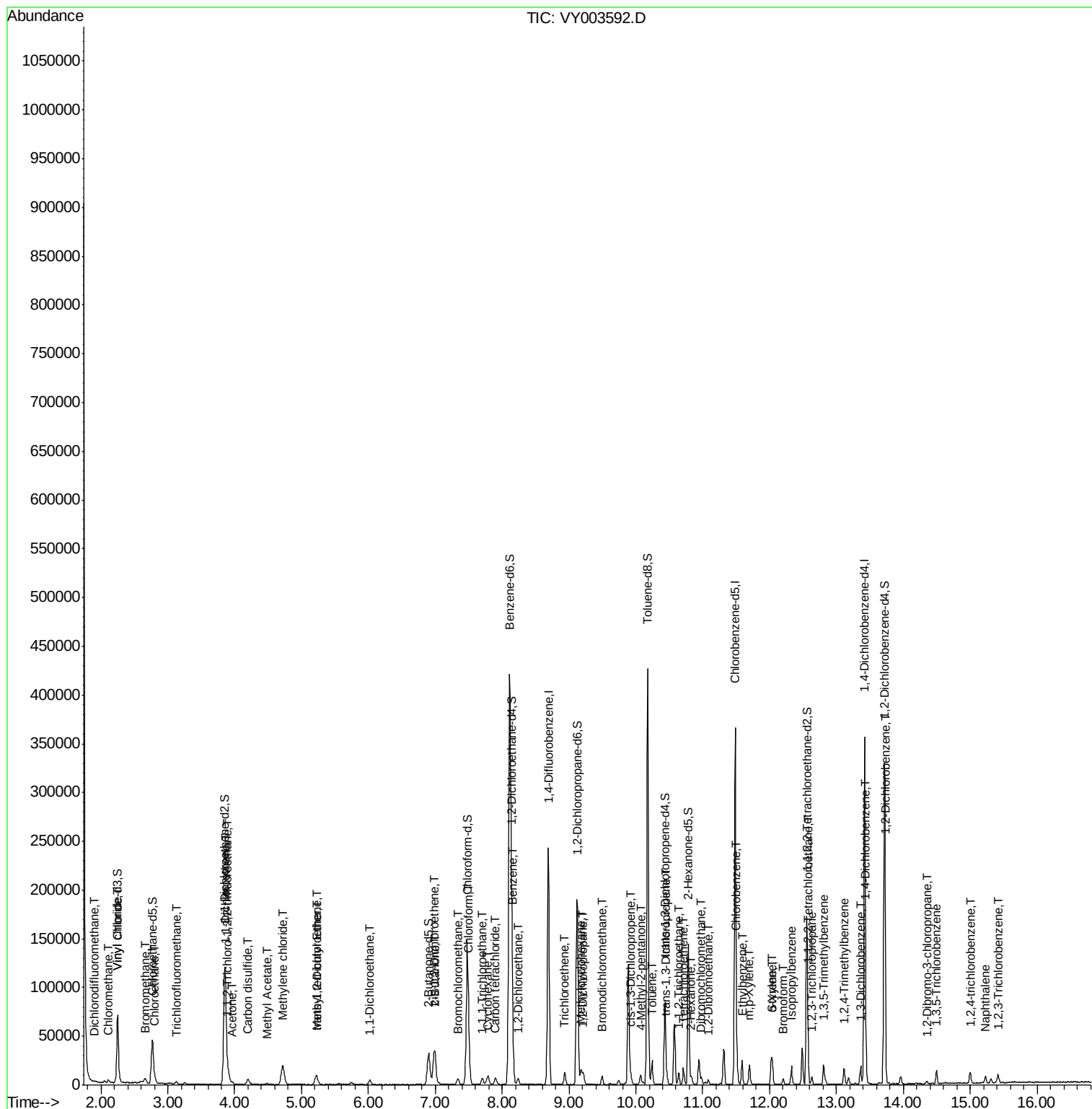
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112320\
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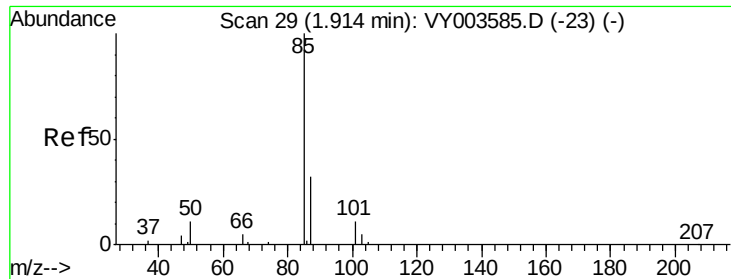
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

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QLast Update : Tue Nov 24 07:59:59 2020
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#2

Dichlorodifluoromethane

Concen: 0.944 ug/L

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion: 85 Resp: 1066

Ion Ratio Lower Upper

85 100

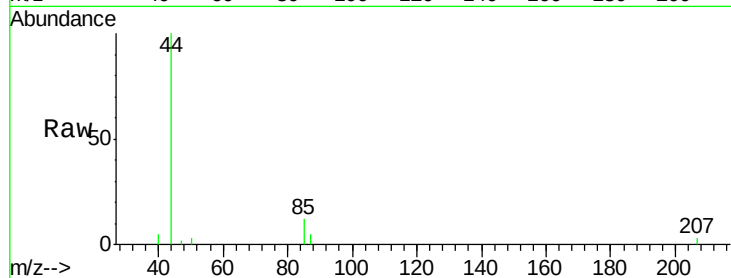
87 25.0 27.2 40.8#

Manual Integrations

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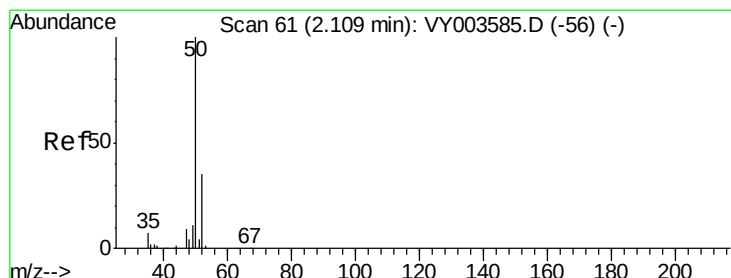
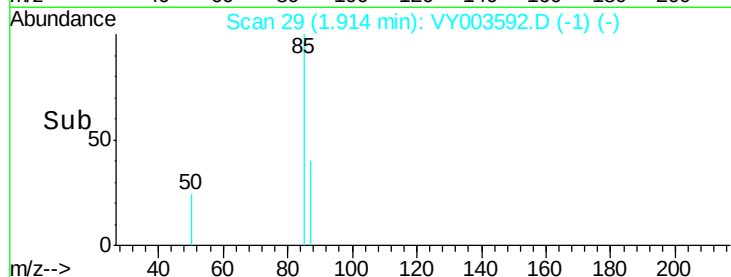
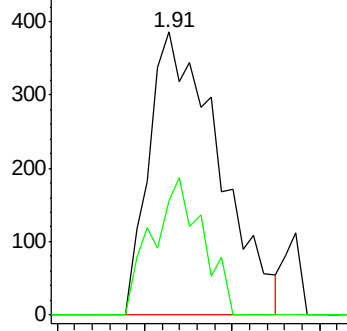
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Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 1.462 ug/L

RT: 2.11 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY003592.D

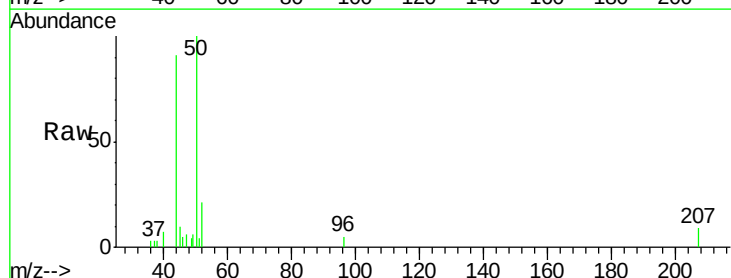
Acq: 23 Nov 2020 16:14

Tgt Ion: 50 Resp: 3123

Ion Ratio Lower Upper

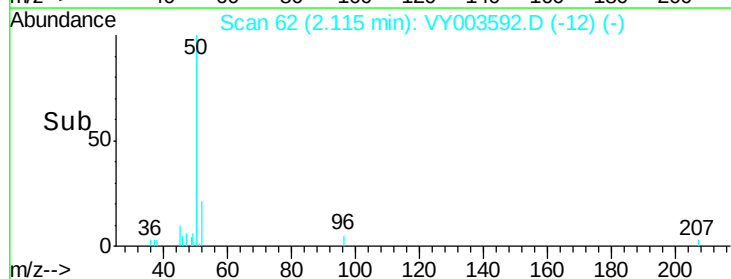
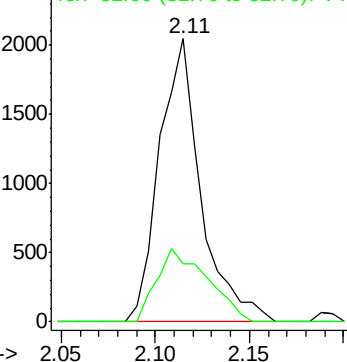
50 100

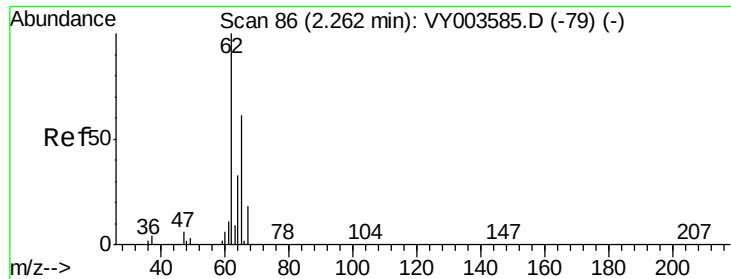
52 20.7 24.4 45.4#



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.346 ug/L

RT: 2.25 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion: 62 Resp: 4051

Ion Ratio Lower Upper

62 100

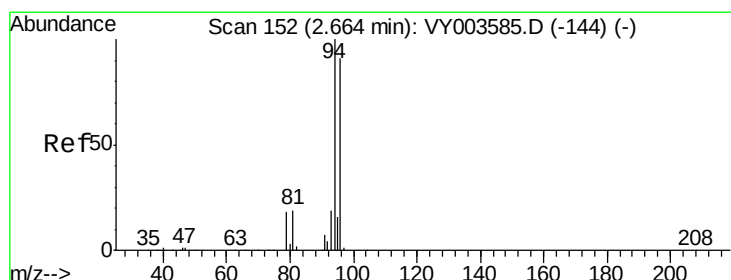
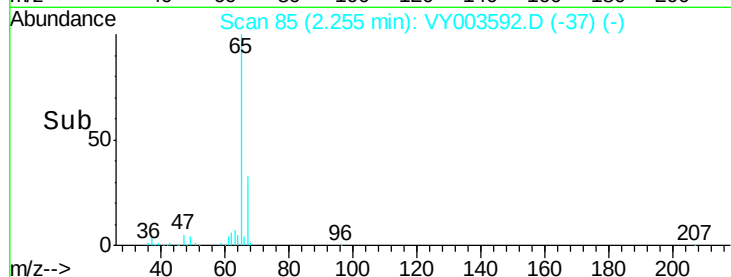
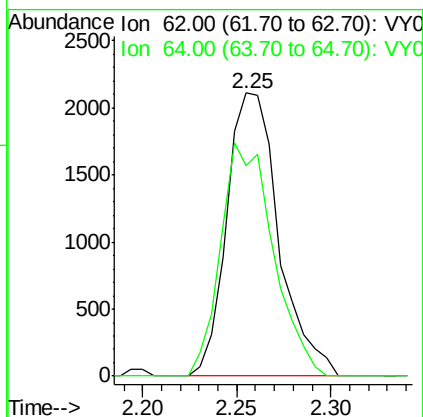
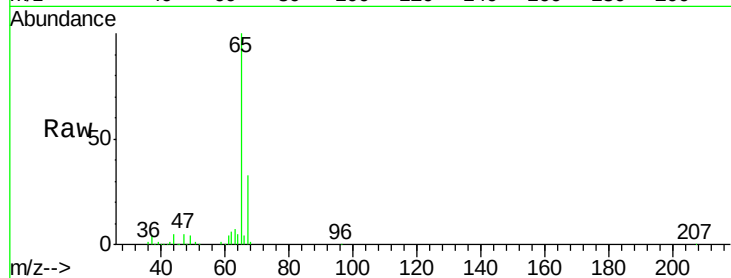
64 74.1 23.0 42.6#

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#6

Bromomethane

Concen: 1.202 ug/L

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY003592.D

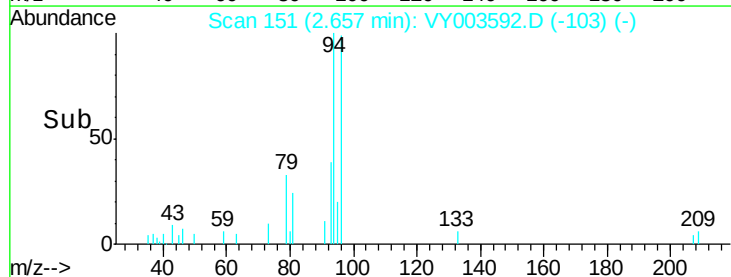
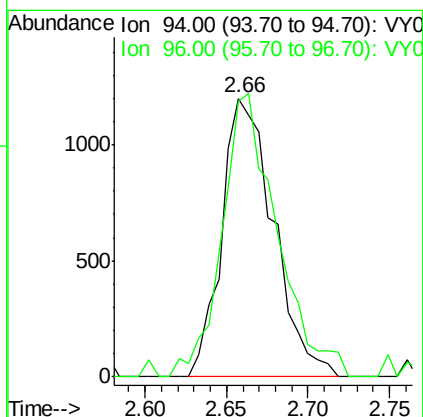
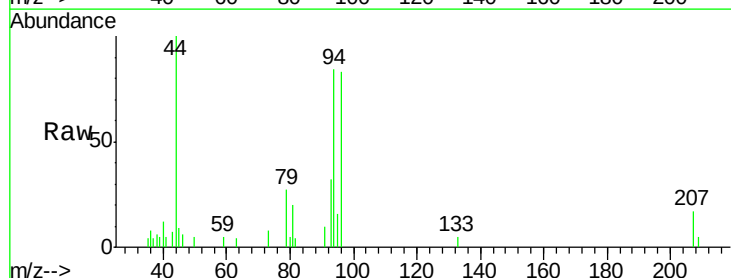
Acq: 23 Nov 2020 16:14

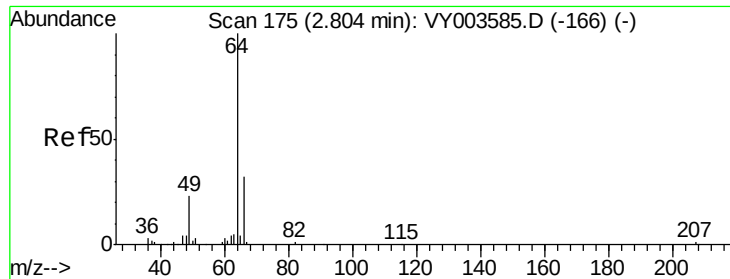
Tgt Ion: 94 Resp: 2647

Ion Ratio Lower Upper

94 100

96 98.8 64.5 119.7





#8

Chloroethane

Concen: 1.335 ug/L

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion: 64 Resp: 2512

Ion Ratio Lower Upper

64 100

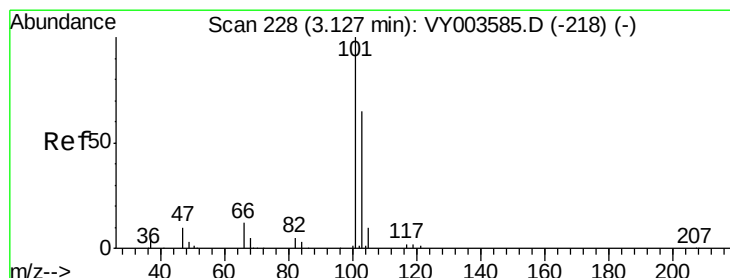
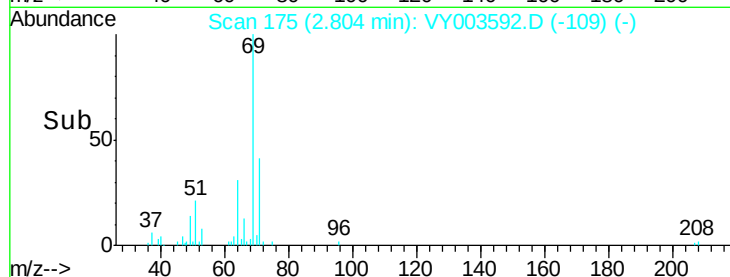
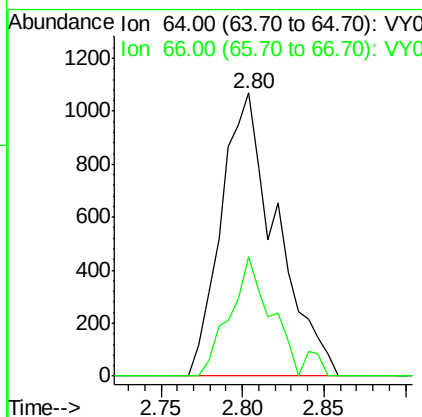
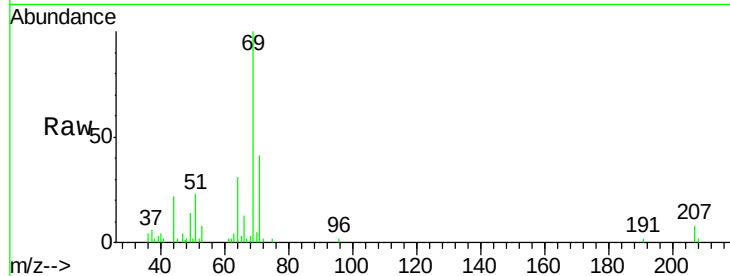
66 42.2 22.2 41.2#

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#9

Trichlorofluoromethane

Concen: 1.238 ug/L

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY003592.D

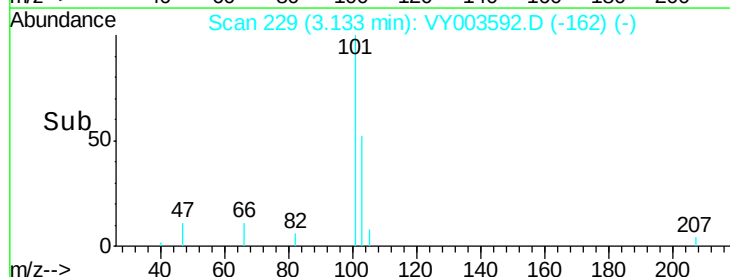
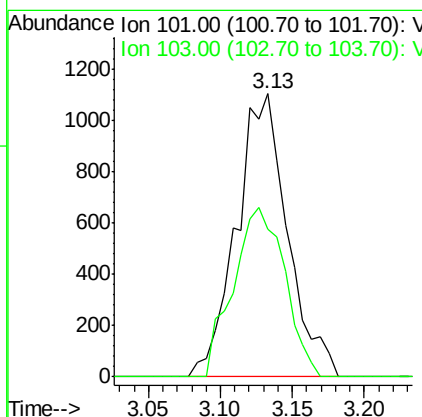
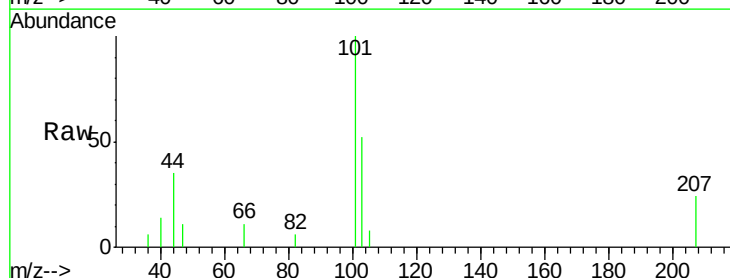
Acq: 23 Nov 2020 16:14

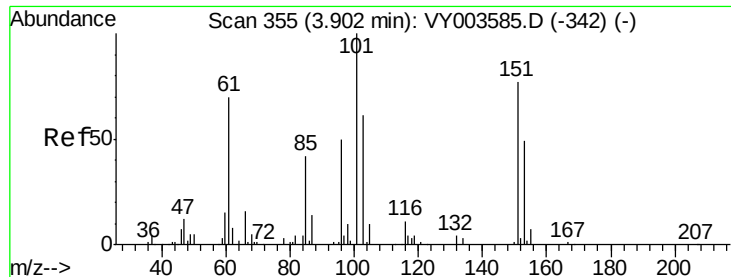
Tgt Ion: 101 Resp: 2720

Ion Ratio Lower Upper

101 100

103 60.2 54.0 81.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.574 ug/L m

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Instrument :

MSVOA_Y

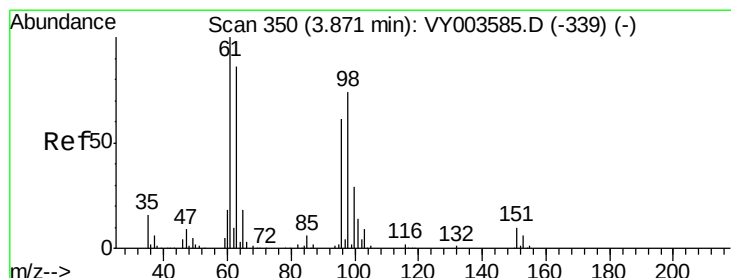
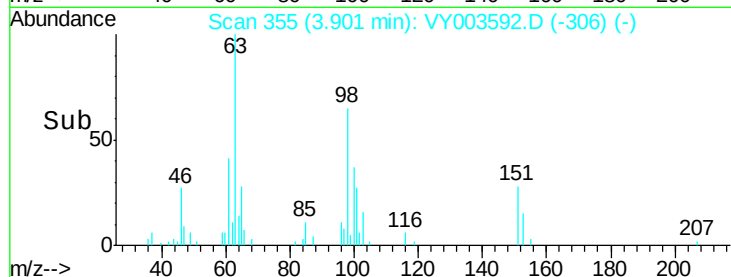
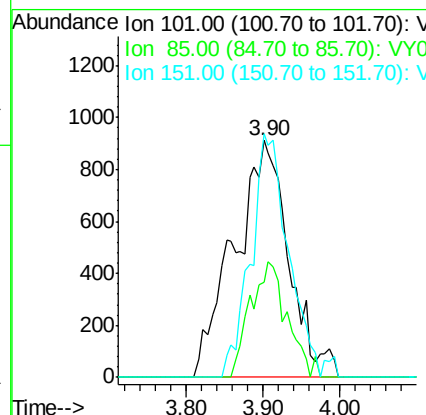
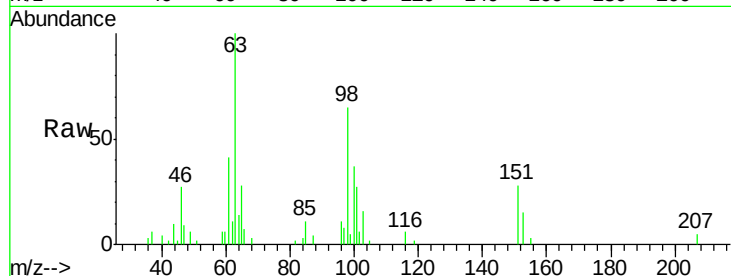
ClientSampleId :

MDL-SOIL-01

Tot Ion:	101	Resp:	4536
Ion Ratio	Lower	Upper	
101	100		
85	0.0	34.1	51.1#
151	12.4	60.6	90.8#

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#12

1,1-Dichloroethene

Concen: 1.486 ug/L

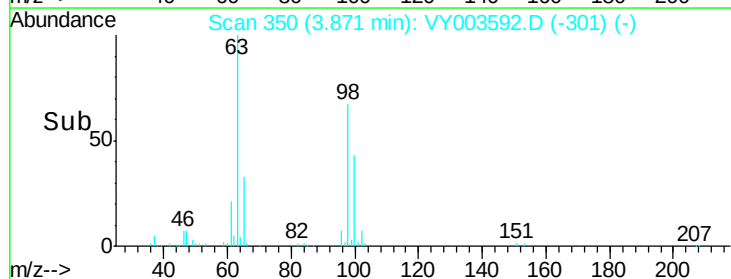
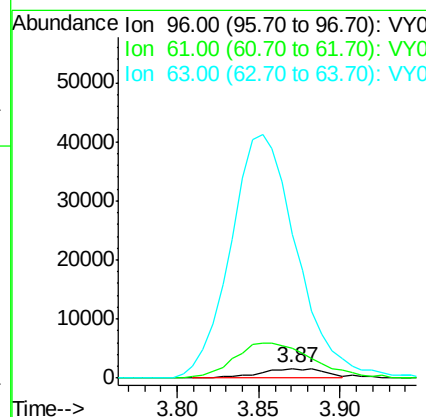
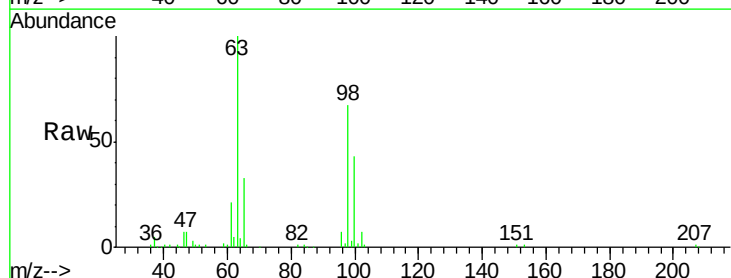
RT: 3.87 min Scan# 350

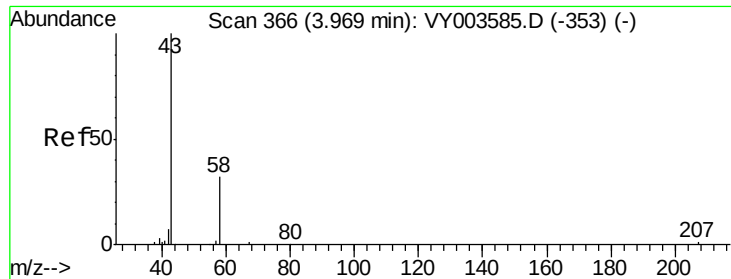
Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Tgt Ion:	96	Resp:	4555
Ion Ratio	Lower	Upper	
96	100		
61	309.7	114.5	212.7#
63	1488.0	100.8	187.2#





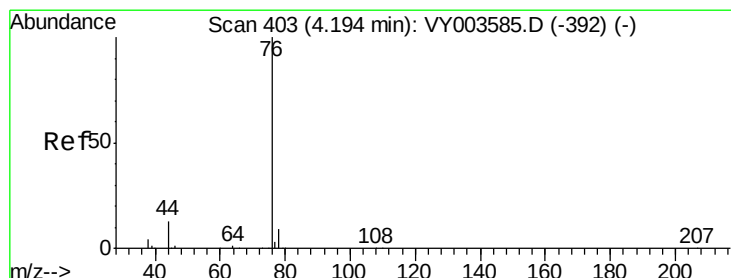
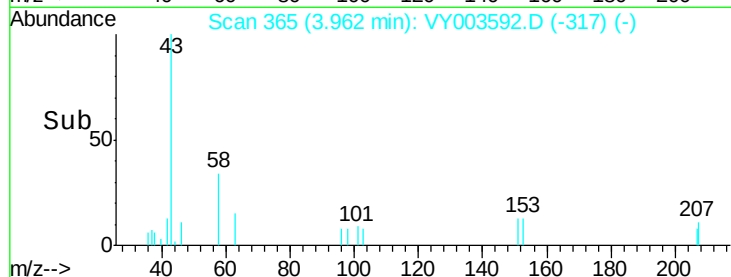
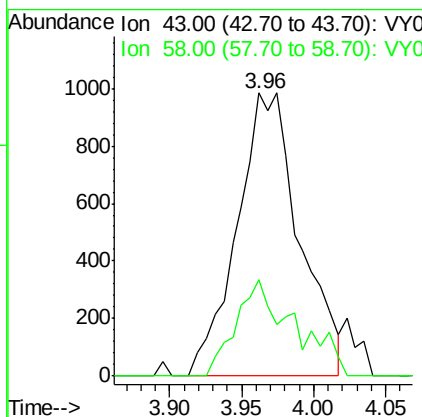
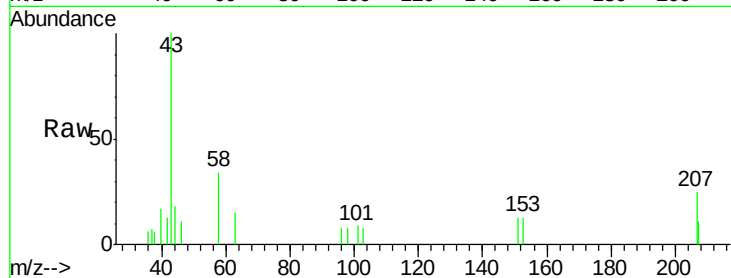
#13
Acetone
Concen: 3.488 ug/L
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VY003592.D
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Tot Ion	Ratio	Lower	Upper
43	100		
58	19.6	0.0	68.4

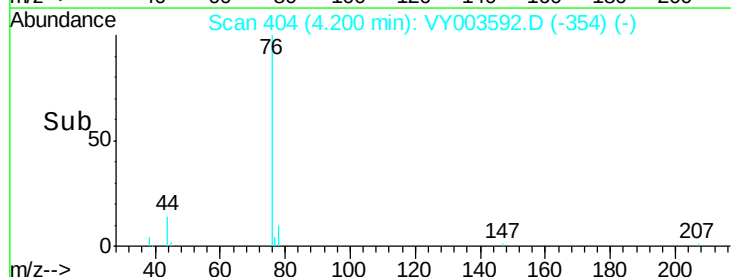
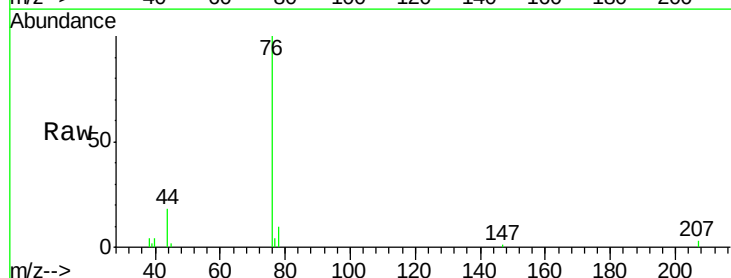
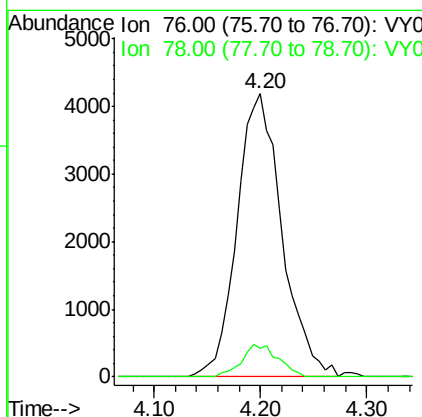
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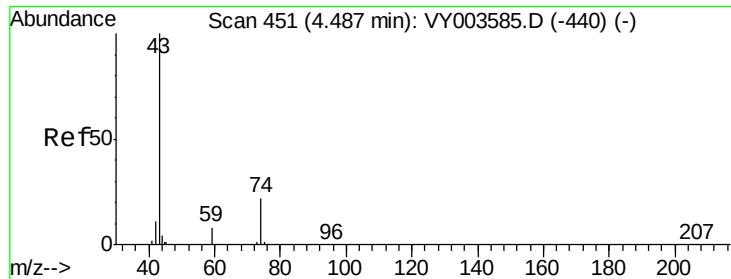
apatel
12/9/2020 6:18:20 AM



#14
Carbon disulfide
Concen: 1.273 ug/L
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.1	10.7





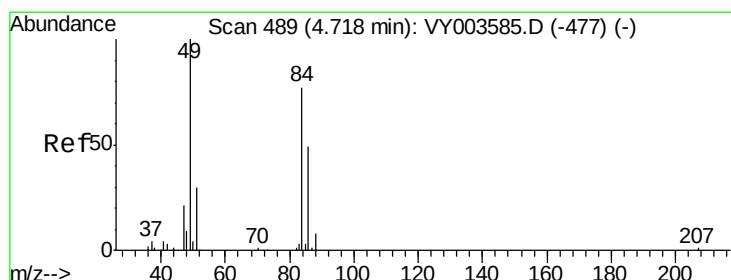
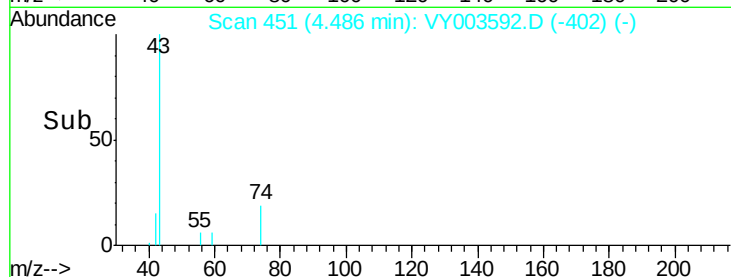
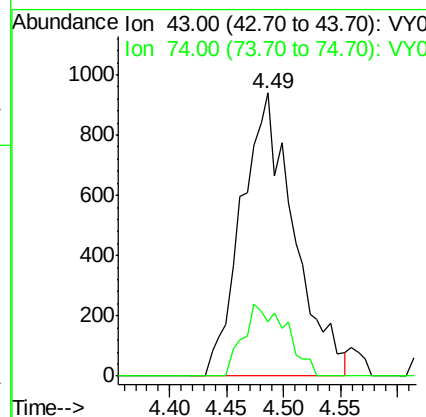
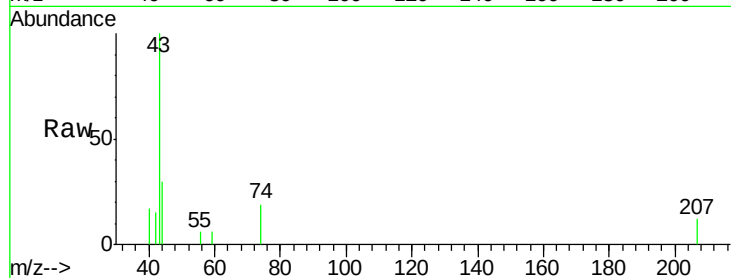
#15
Methvl Acetate
Concen: 1.328 ug/L m
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tot Ion: 43 Resp: 3000
Ion Ratio Lower Upper
43 100
74 0.7 18.0 27.0#

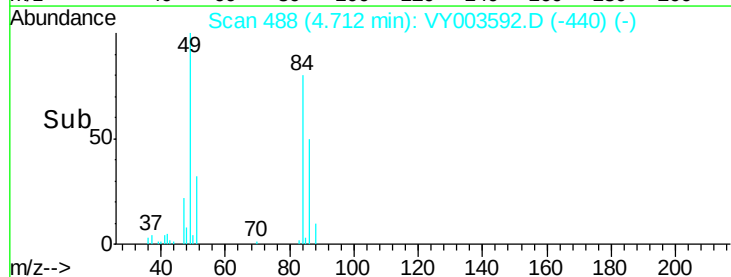
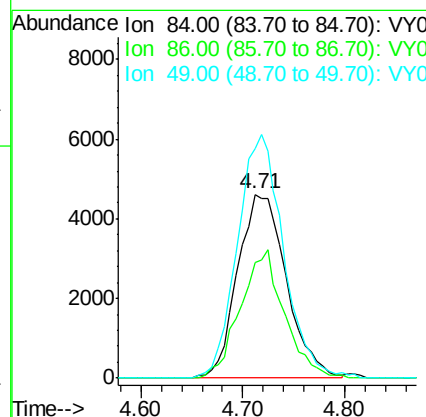
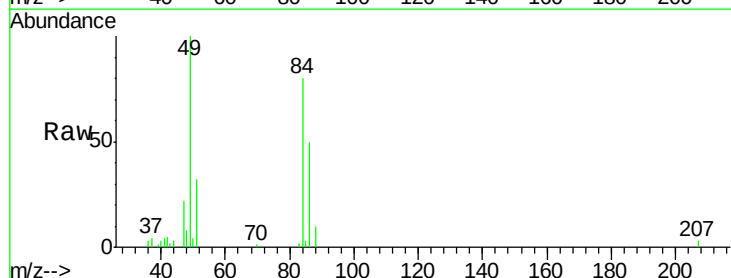
Manual Integrations
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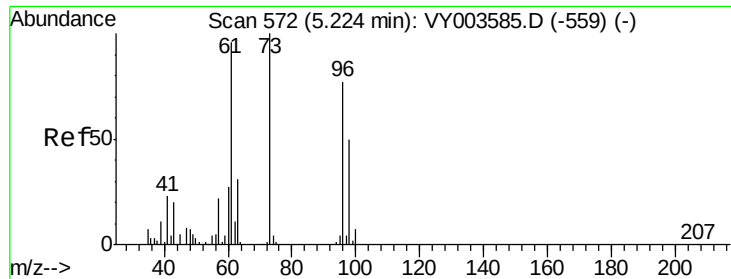
apatel
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#16
Methylene chloride
Concen: 3.711 ug/L
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Tgt Ion: 84 Resp: 15327
Ion Ratio Lower Upper
84 100
86 62.8 45.2 84.0
49 125.0 91.5 169.9





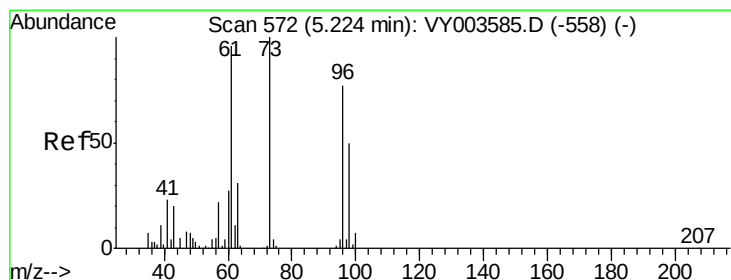
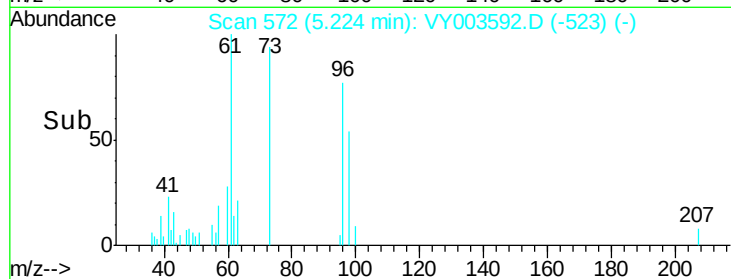
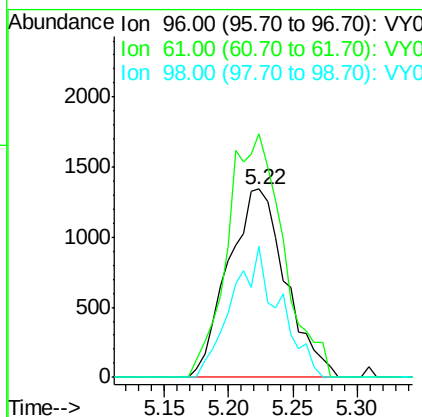
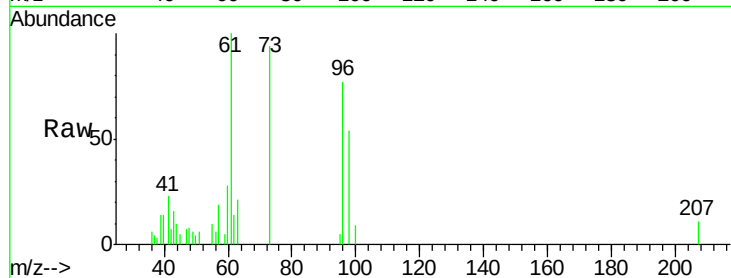
#17
trans-1,2-Dichloroethene
Concen: 1.280 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.2	87.2	161.9
98	69.3	45.2	84.0

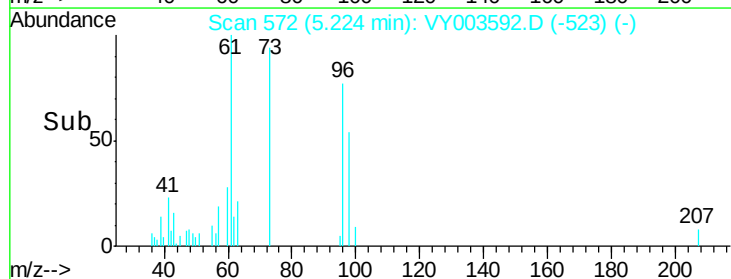
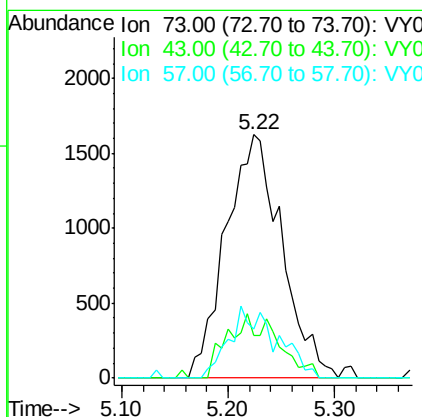
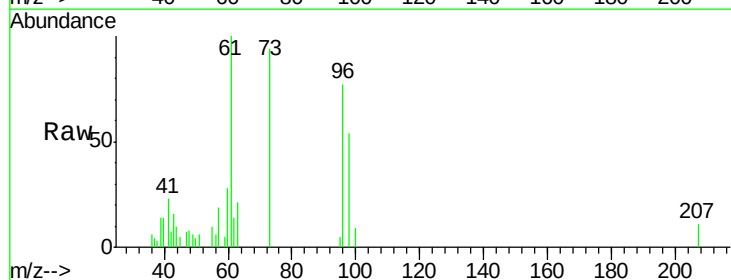
Manual Integrations
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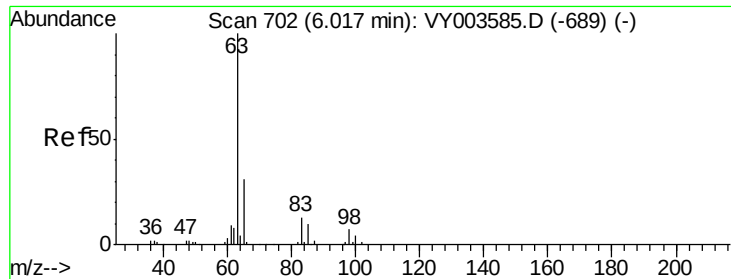
apatel
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#18
Methyl tert-butyl Ether
Concen: 1.228 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Tgt Ion	Ratio	Lower	Upper
73	100		
43	9.8	15.5	23.3#
57	6.0	18.2	27.4#





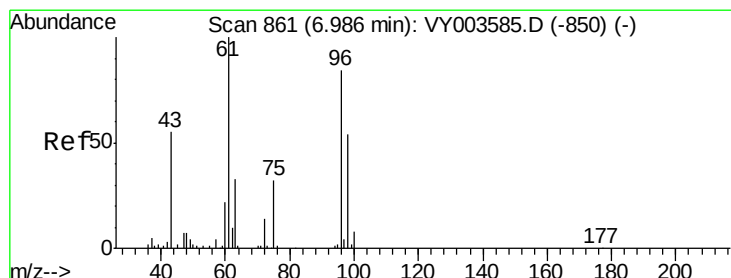
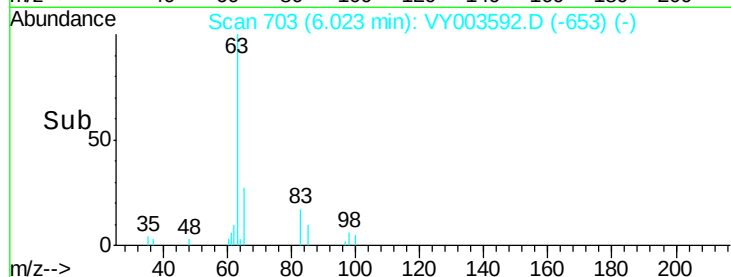
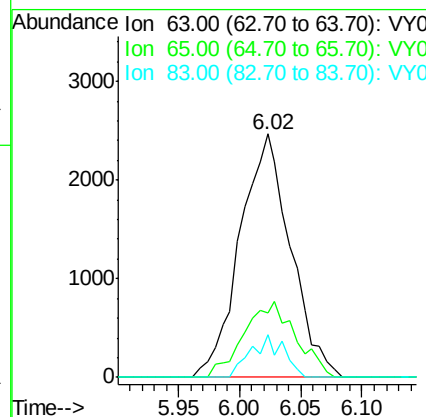
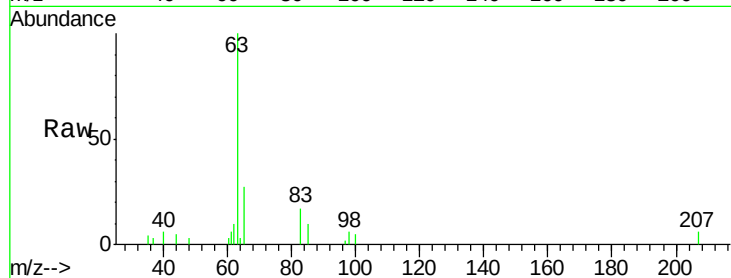
#19
 1,1-Dichloroethane
 Concen: 1.282 ug/L
 RT: 6.02 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.6	21.7	40.3
83	17.5	8.9	16.5

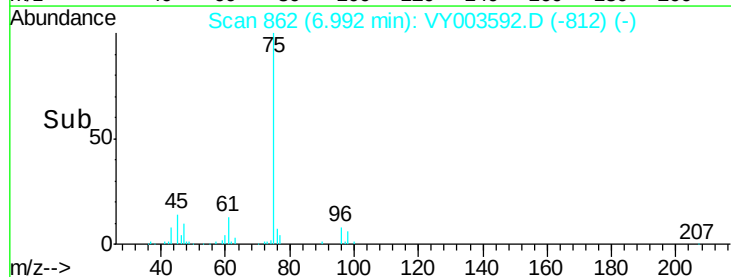
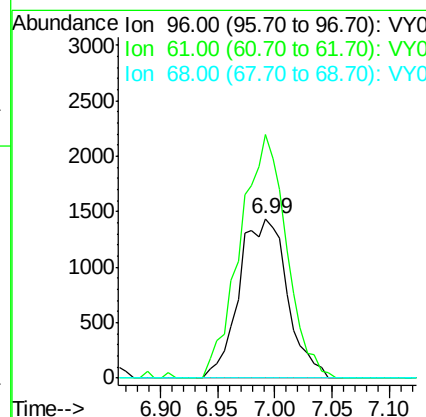
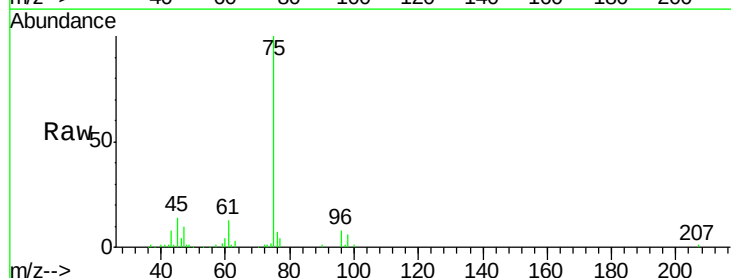
Manual Integrations
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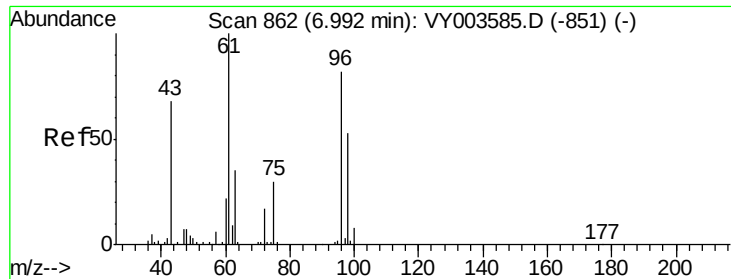
apatel
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#20
 cis-1,2-Dichloroethene
 Concen: 1.247 ug/L m
 RT: 6.99 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.5	83.7	155.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.448 ug/L

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion: 43 Resp: 4979

Ion Ratio Lower Upper

43 100

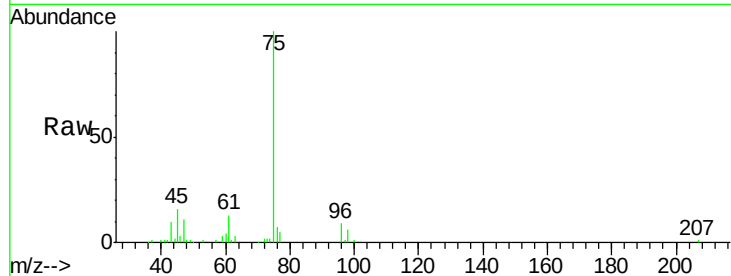
72 9.5 13.0 38.9#

Manual Integrations

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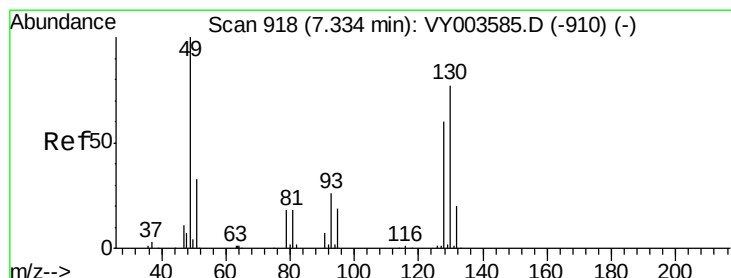
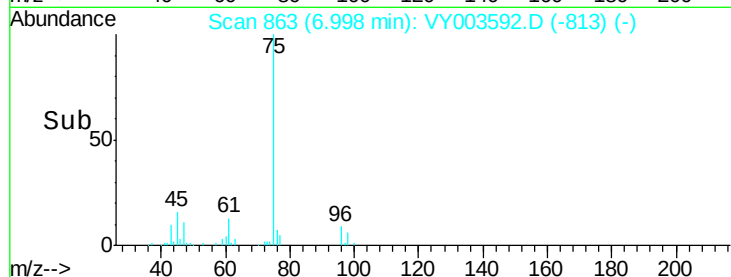
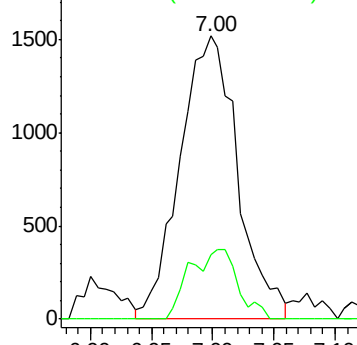
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#23

Bromochloromethane

Concen: 1.248 ug/L

RT: 7.34 min Scan# 919

Delta R.T. 0.01 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Tgt Ion:128 Resp: 2029

Ion Ratio Lower Upper

128 100

49 158.7 117.1 217.5

130 163.9 89.4 166.0

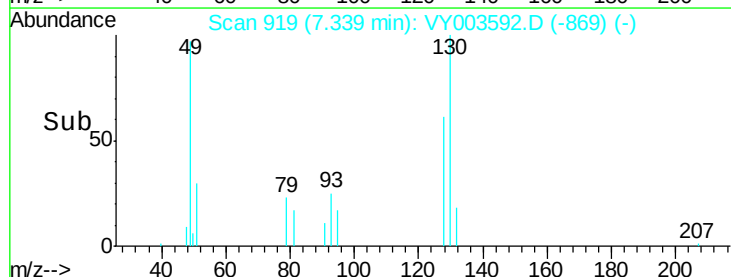
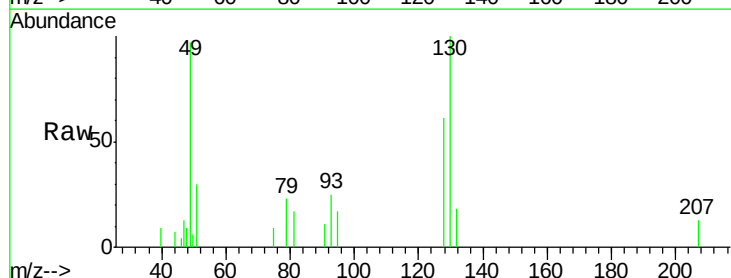
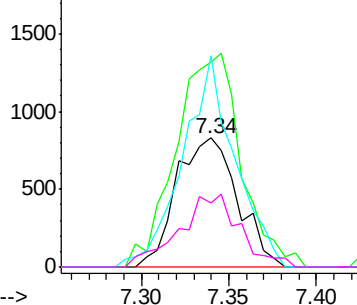
51 49.6 43.3 64.9

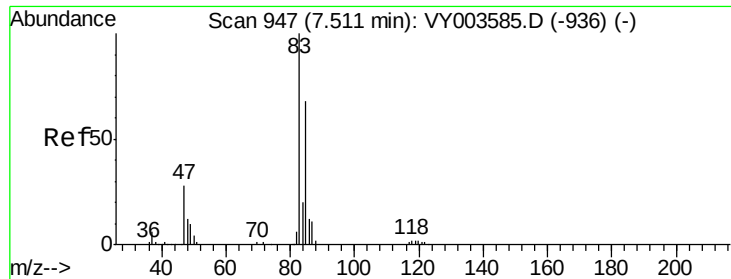
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0





#25

Chloroform

Concen: 1.388 ug/L

RT: 7.50 min Scan# 946

Delta R.T. -0.01 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion: 83 Resp: 7611

Ion Ratio Lower Upper

83 100

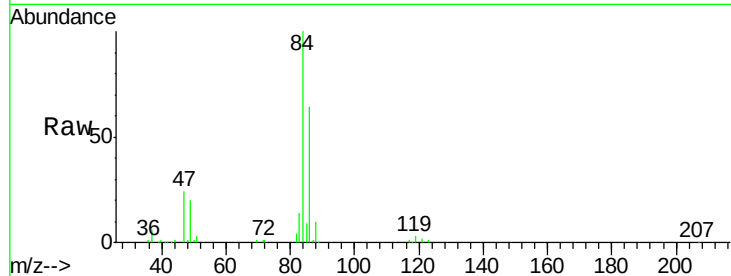
85 69.7 47.4 88.0

Manual Integrations

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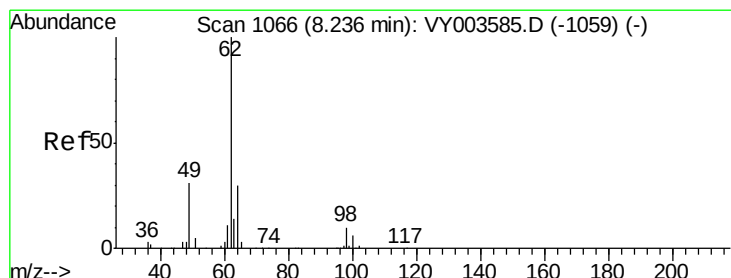
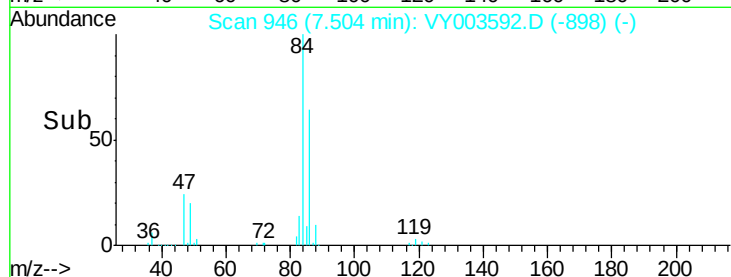
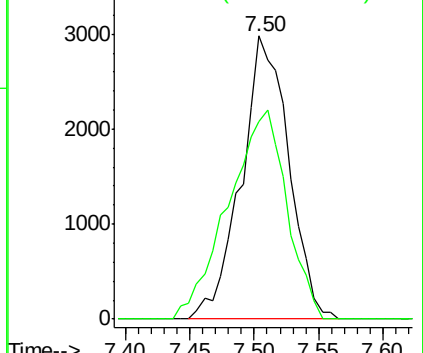
apatel

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Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 1.322 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VY003592.D

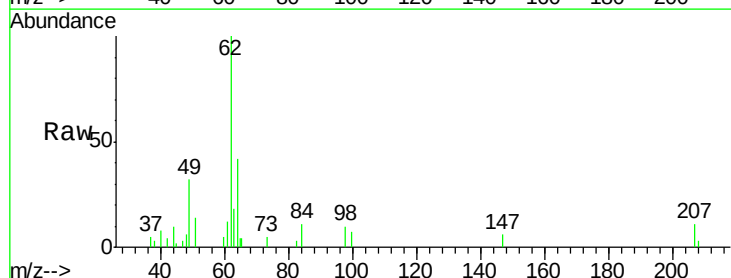
Acq: 23 Nov 2020 16:14

Tgt Ion: 62 Resp: 4878

Ion Ratio Lower Upper

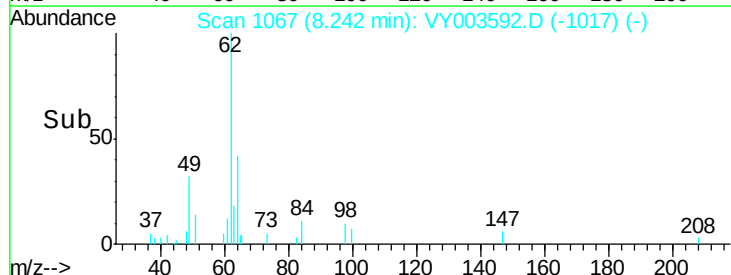
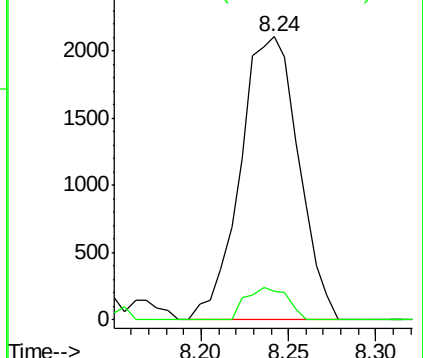
62 100

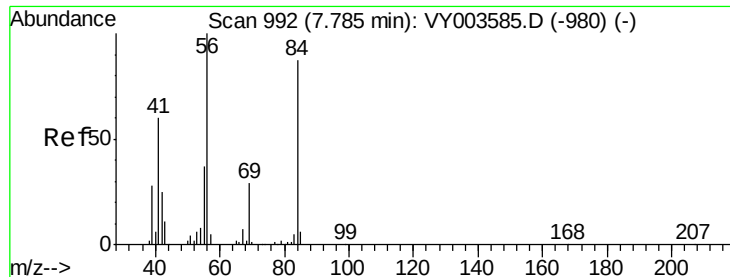
98 10.1 7.9 11.9



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





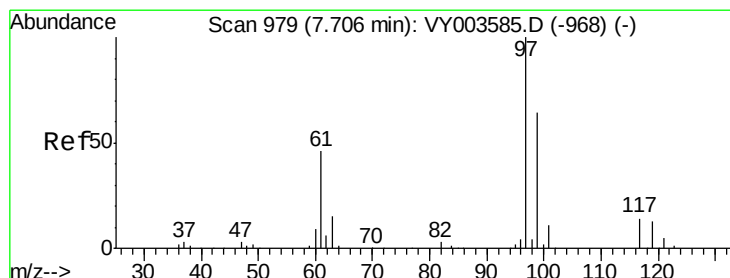
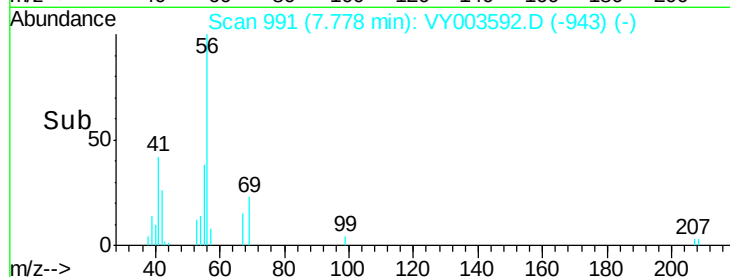
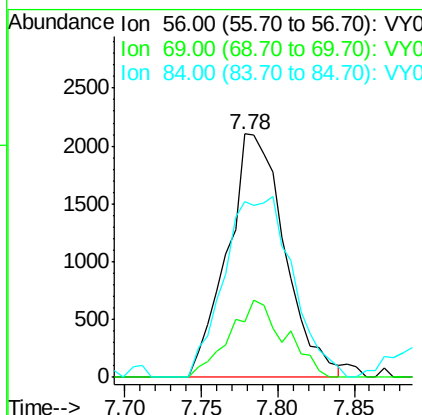
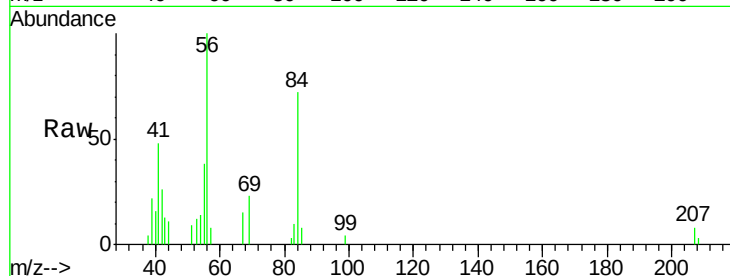
#29
Cyclohexane
Concen: 1.133 ug/L
RT: 7.78 min Scan# 991
Delta R.T. -0.01 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
56	100		
69	24.9	23.3	34.9
84	43.9	70.6	105.8#

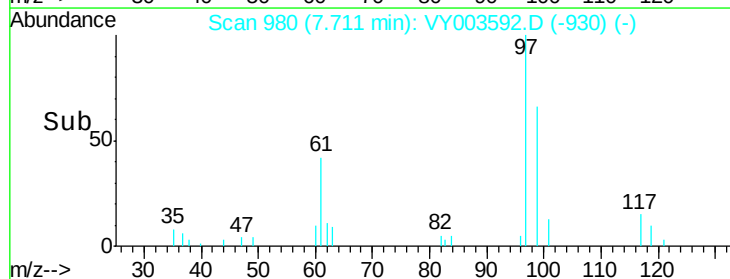
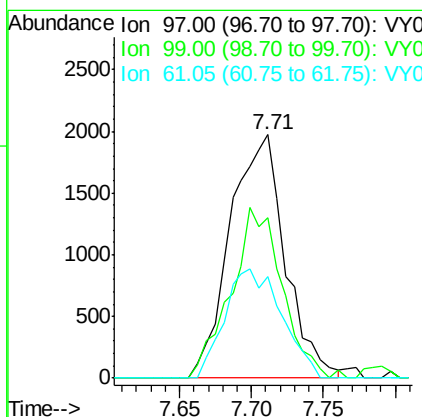
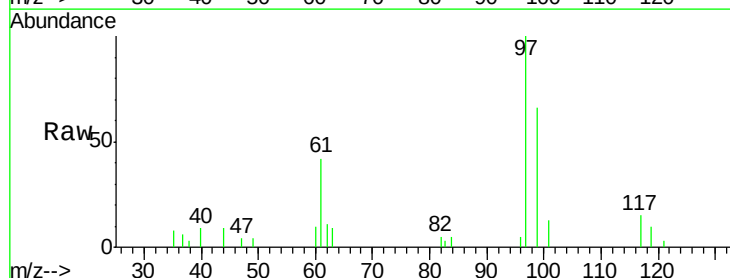
Manual Integrations
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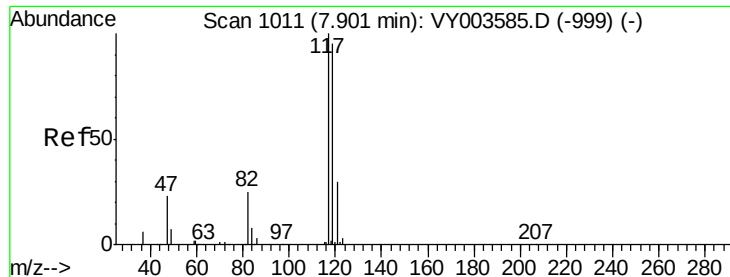
apatel
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#30
1,1,1-Trichloroethane
Concen: 1.233 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	46.4	35.1	52.7





#31

Carbon tetrachloride

Concen: 1.168 ug/L m

RT: 7.89 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion:117 Resp: 4868

Ion Ratio Lower Upper

117 100

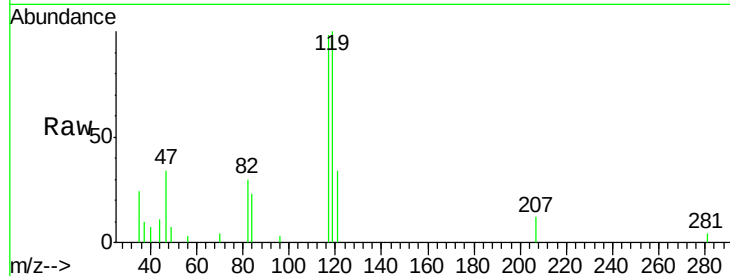
119 14.7 76.7 115.1#

Manual Integrations

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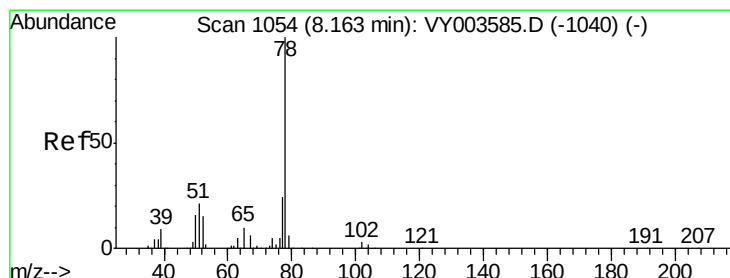
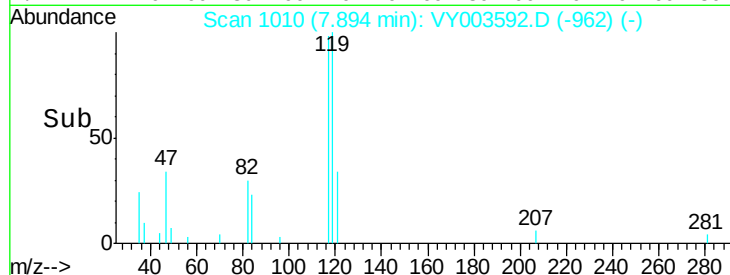
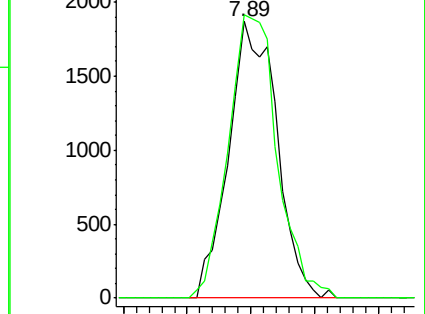
apatel

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 1.211 ug/L

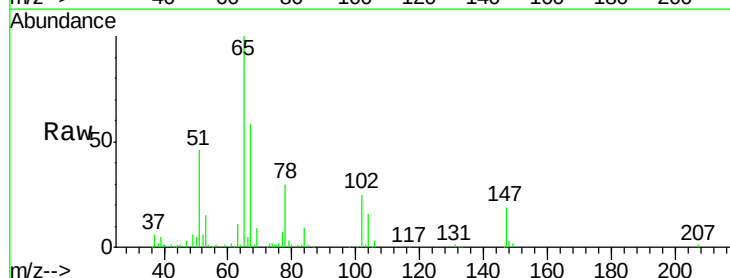
RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

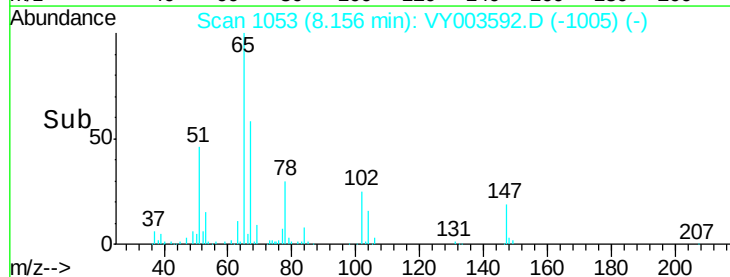
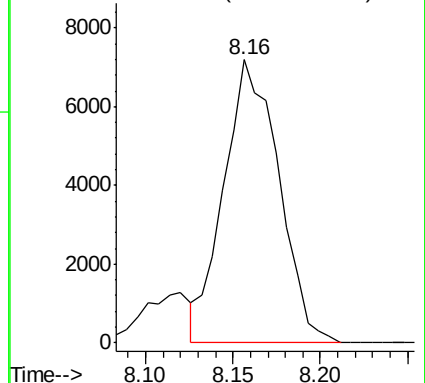
Lab File: VY003592.D

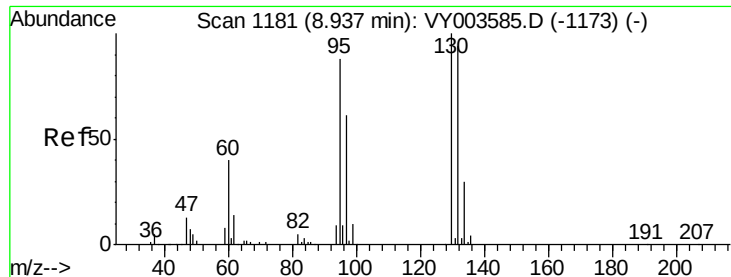
Acq: 23 Nov 2020 16:14

Tgt Ion: 78 Resp: 15660



Abundance Ion 78.00 (77.70 to 78.70): VY0





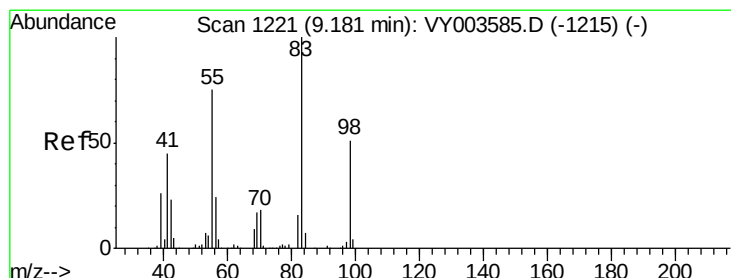
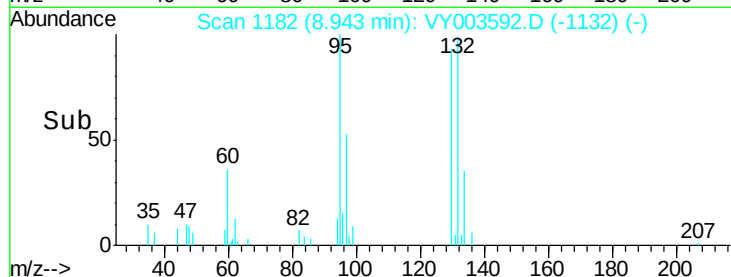
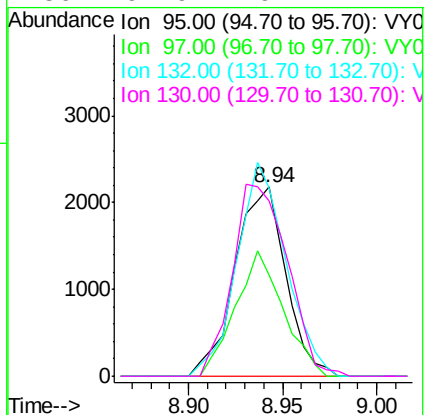
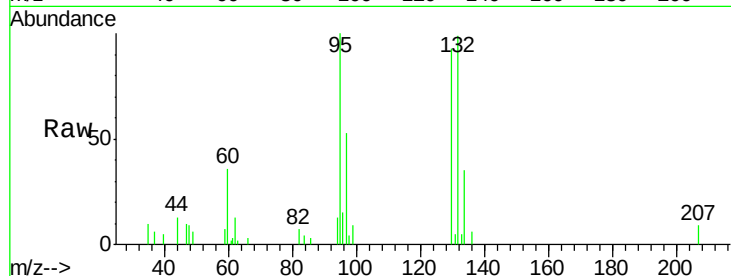
#34
 Trichloroethene
 Concen: 1.276 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Tot Ion:	95	Resp:	4091
Ion	Ratio	Lower	Upper
95	100		
97	57.4	48.8	90.6
132	99.3	74.9	139.1
130	92.9	79.4	147.4

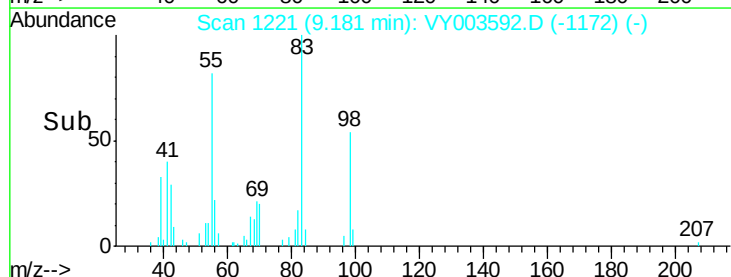
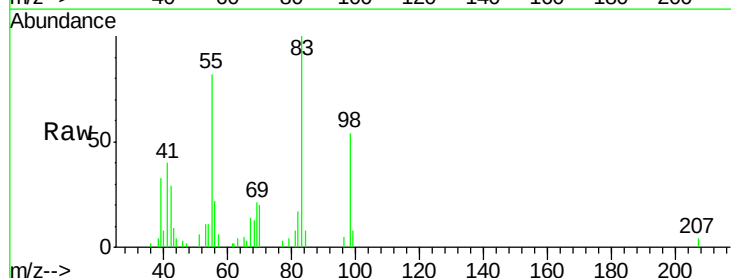
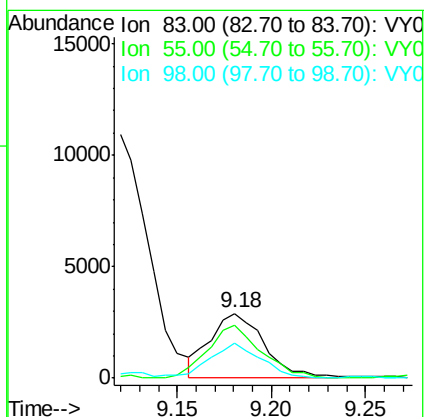
Manual Integrations
 APPROVED

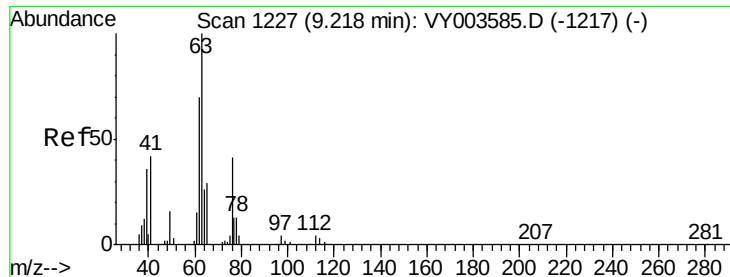
apatel
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#35
 Methylcyclohexane
 Concen: 1.149 ug/L
 RT: 9.18 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

Tgt Ion:	83	Resp:	5787
Ion	Ratio	Lower	Upper
83	100		
55	81.6	59.0	88.6
98	51.1	40.2	60.4





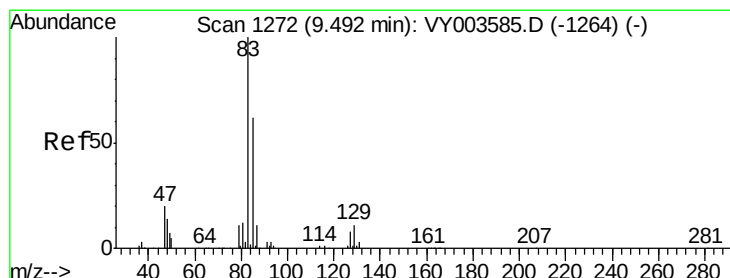
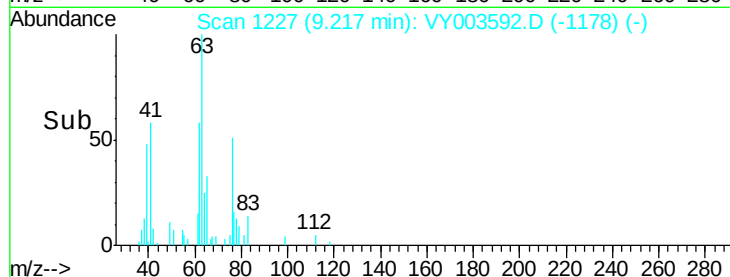
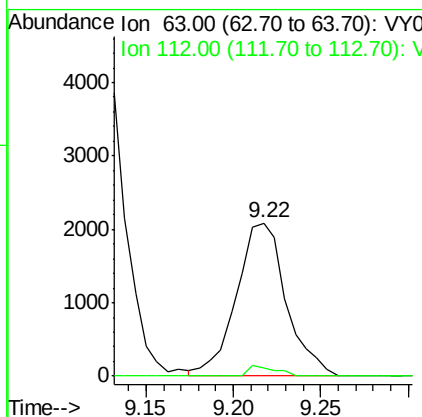
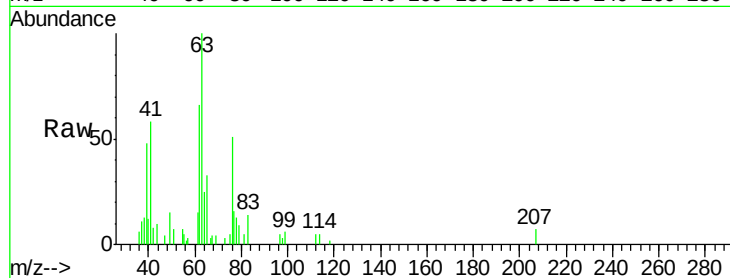
#37
 1,2-Dichloropropane
 Concen: 1.264 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
63	100		
112	3.5	3.4	5.2

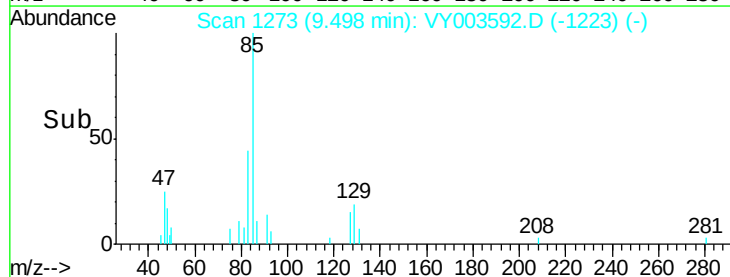
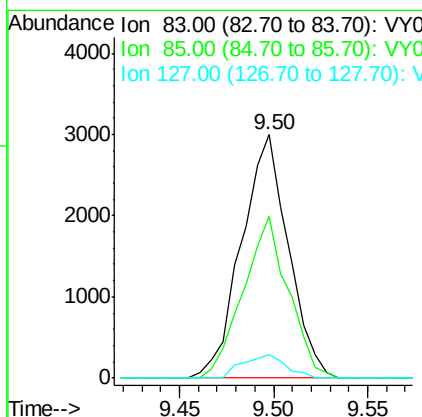
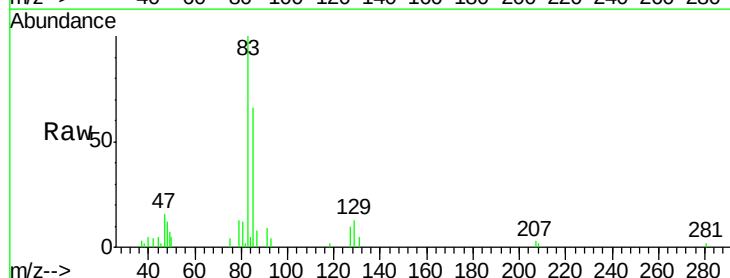
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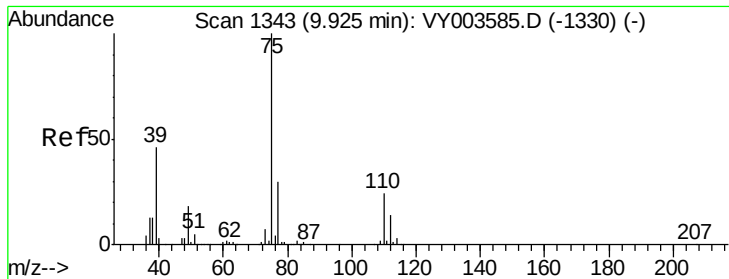
apatel
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#38
 Bromodichloromethane
 Concen: 1.243 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	43.5	80.9
127	9.7	6.5	9.7





#39

cis-1,3-Dichloropropene

Concen: 1.218 ug/L

RT: 9.92 min Scan# 1343

Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion: 75 Resp: 6163

Ion Ratio Lower Upper

75 100

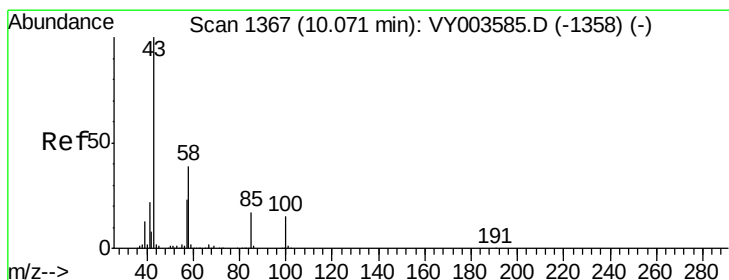
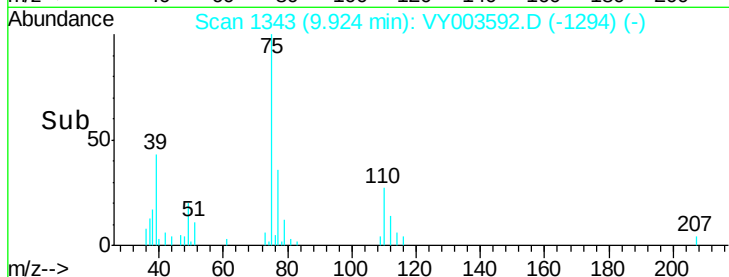
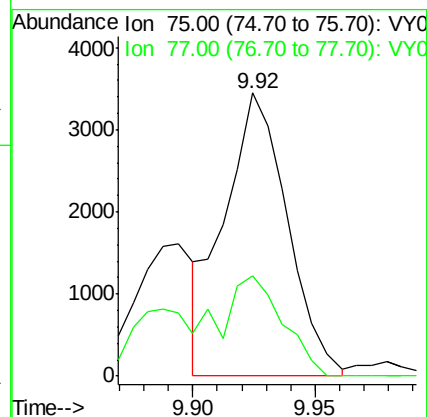
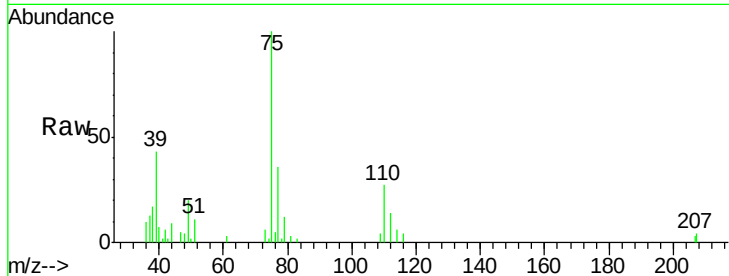
77 35.5 20.9 38.9

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#40

4-Methyl-2-pentanone

Concen: 2.378 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

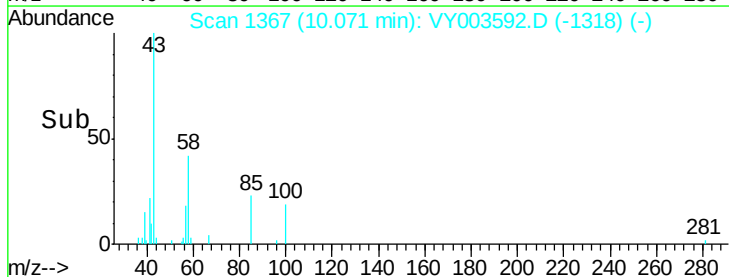
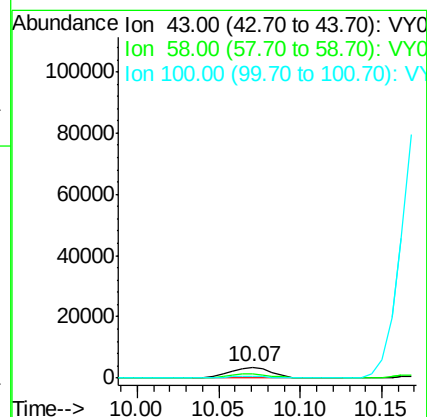
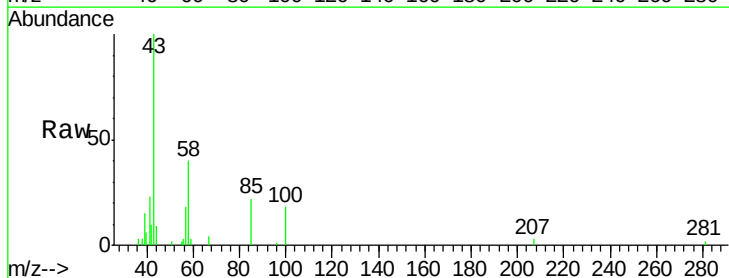
Tgt Ion: 43 Resp: 6543

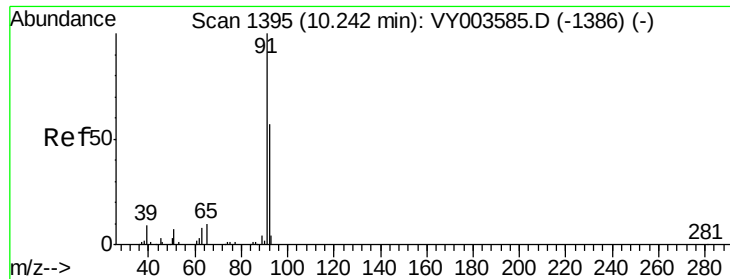
Ion Ratio Lower Upper

43 100

58 39.2 29.8 44.6

100 14.4 12.0 18.0





#42

Toluene

Concen: 1.229 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion: 91 Resp: 16700

Ion Ratio Lower Upper

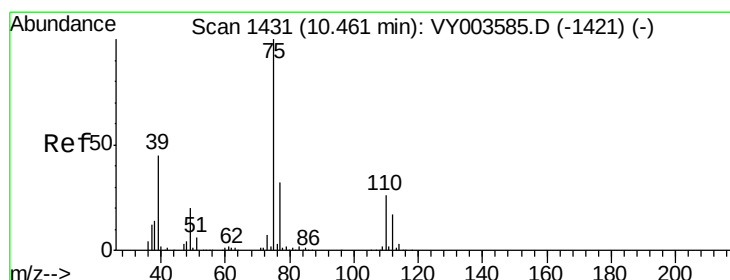
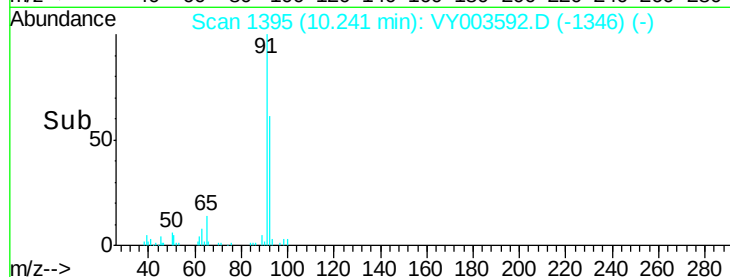
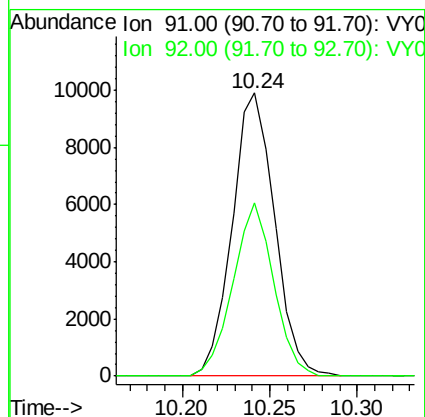
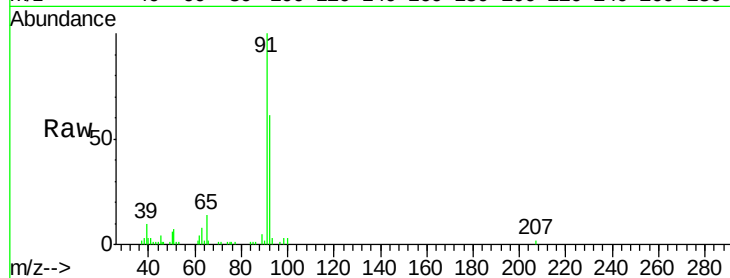
91 100

92 61.2 39.6 73.6

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#44

trans-1,3-Dichloropropene

Concen: 1.336 ug/L m

RT: 10.46 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VY003592.D

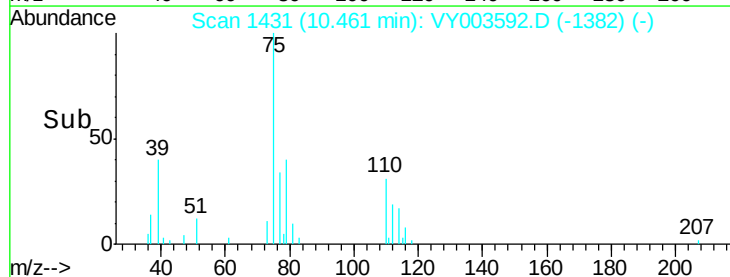
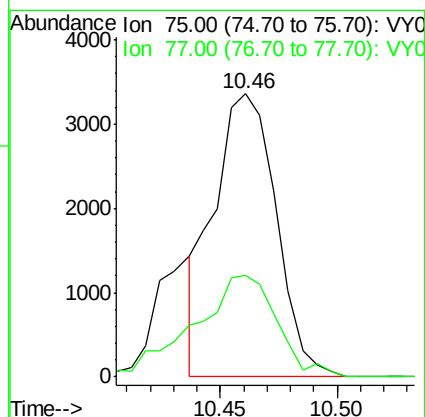
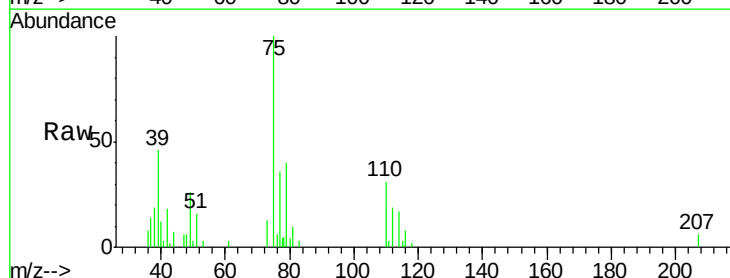
Acq: 23 Nov 2020 16:14

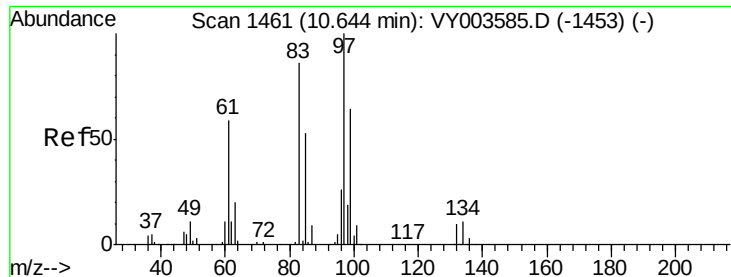
Tgt Ion: 75 Resp: 6271

Ion Ratio Lower Upper

75 100

77 36.0 22.9 42.5





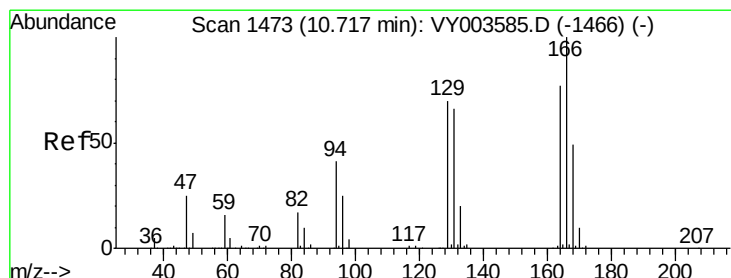
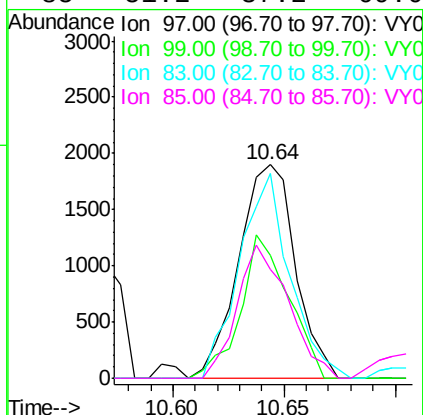
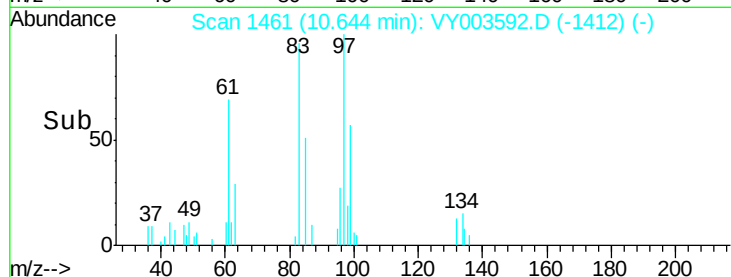
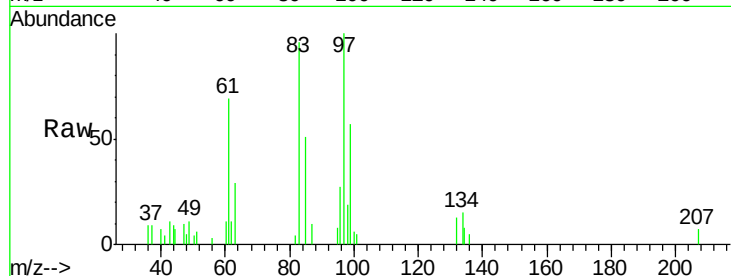
#45
1,1,2-Trichloroethane
Concen: 1.272 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tot Ion:	97	Resp:	3370
Ion	Ratio	Lower	Upper
97	100		
99	57.5	44.9	83.5
83	96.0	59.8	111.1
85	51.2	37.2	69.0

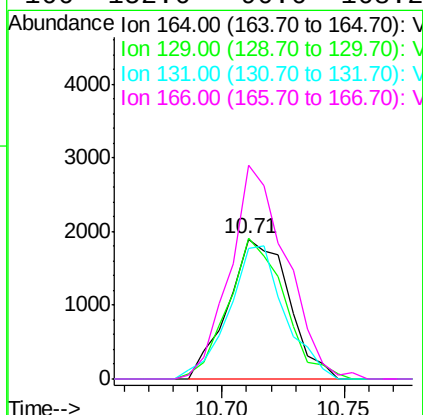
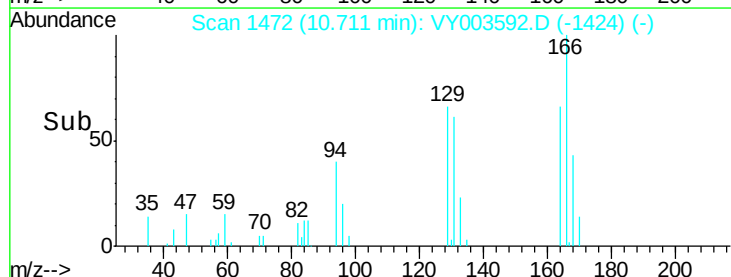
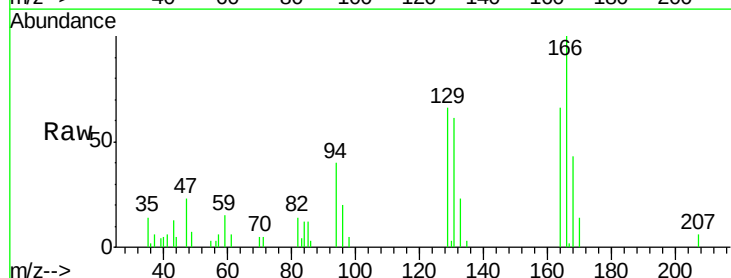
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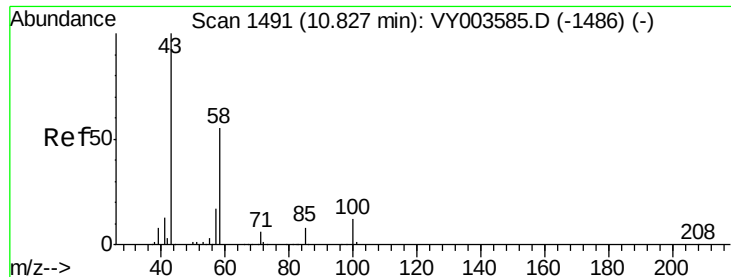
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#46
Tetrachloroethene
Concen: 1.164 ug/L
RT: 10.71 min Scan# 1472
Delta R.T. -0.01 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Tgt Ion:	164	Resp:	3272
Ion	Ratio	Lower	Upper
164	100		
129	100.3	63.5	117.9
131	93.2	59.6	110.6
166	152.6	90.6	168.2





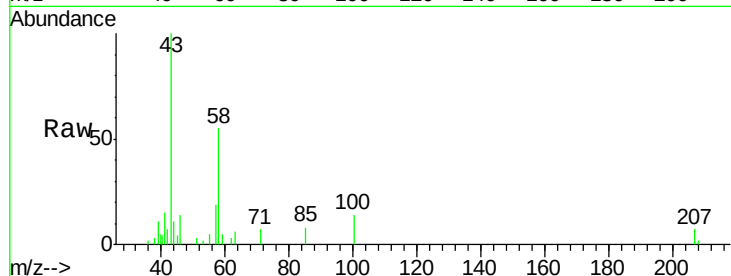
#48
2-Hexanone
Concen: 2.297 ug/L
RT: 10.83 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Instrument :
MSVOA_Y
ClientSampled :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	43.9	65.9
57	22.4	14.1	21.1
100	13.0	9.6	14.4

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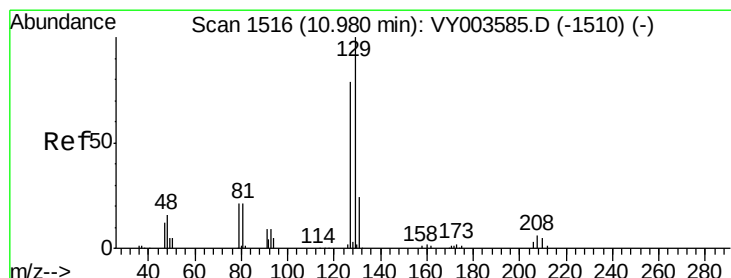
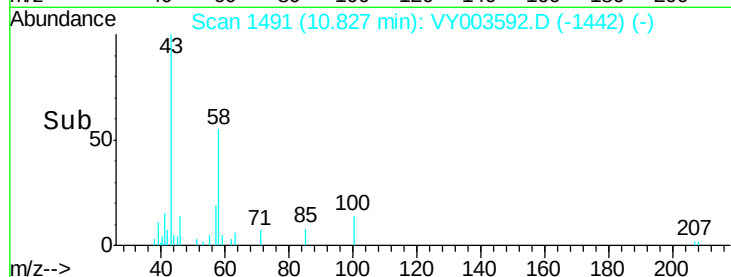
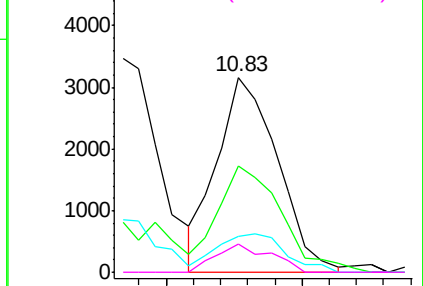
Abundance

Ion 43.00 (42.70 to 43.70): VY003585.D (-1486) (-)

Ion 58.00 (57.70 to 58.70): VY003585.D (-1486) (-)

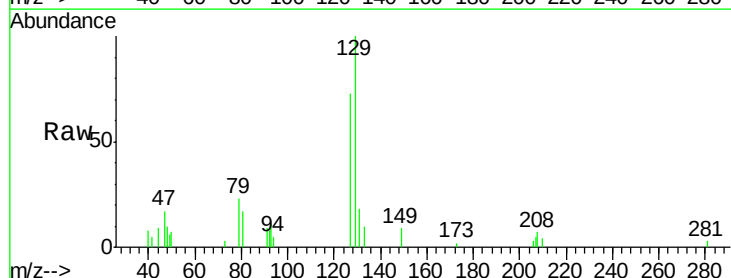
Ion 57.00 (56.70 to 57.70): VY003585.D (-1486) (-)

Ion 100.00 (99.70 to 100.70): VY003585.D (-1486) (-)



#49
Dibromochloromethane
Concen: 1.208 ug/L
RT: 10.98 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

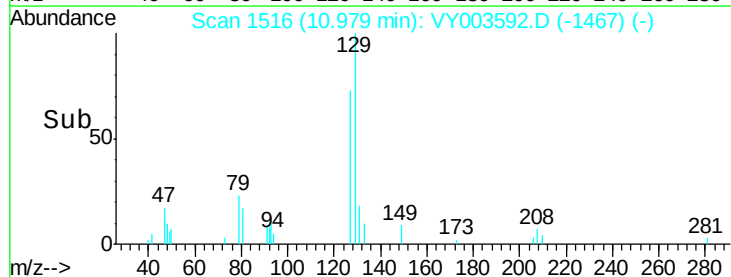
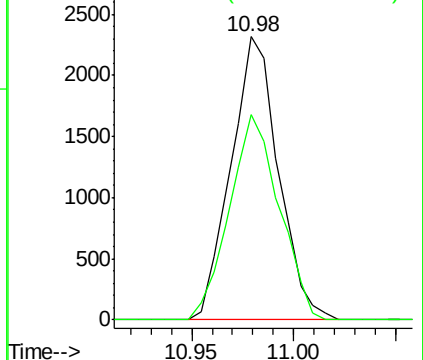
Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.8	55.7	103.5

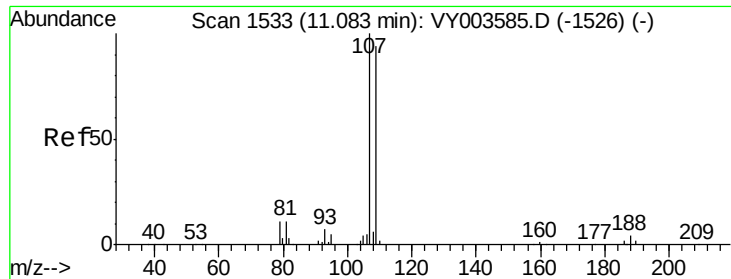


Abundance

Ion 129.00 (128.70 to 129.70): VY003585.D (-1510) (-)

Ion 127.00 (126.70 to 127.70): VY003585.D (-1510) (-)





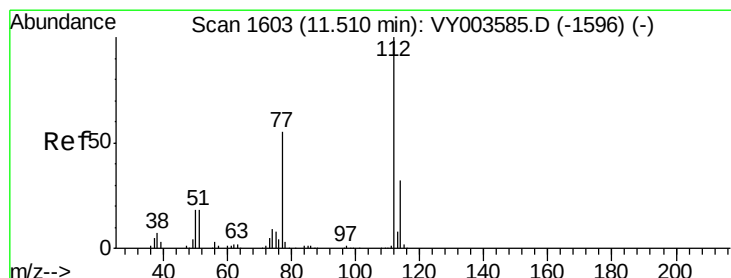
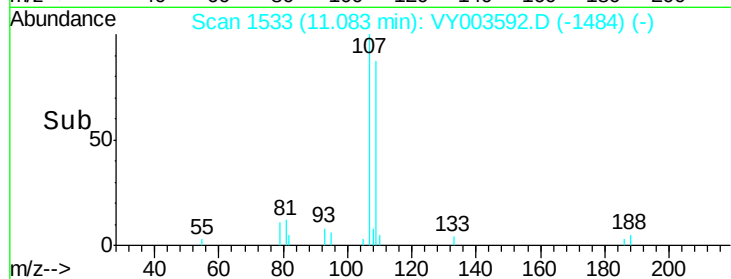
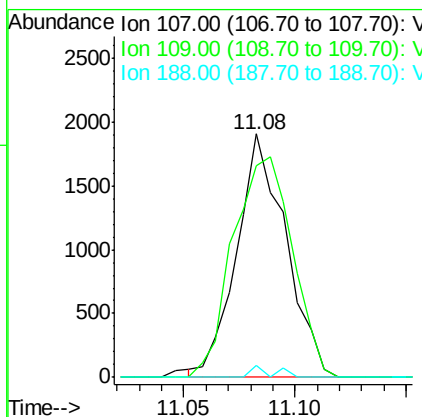
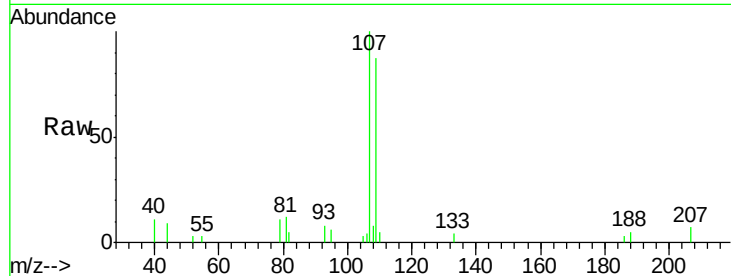
#50
 1,2-Dibromoethane
 Concen: 1.131 ug/L
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.00 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
107	100		
109	86.8	65.8	122.2
188	4.7	2.9	4.3#

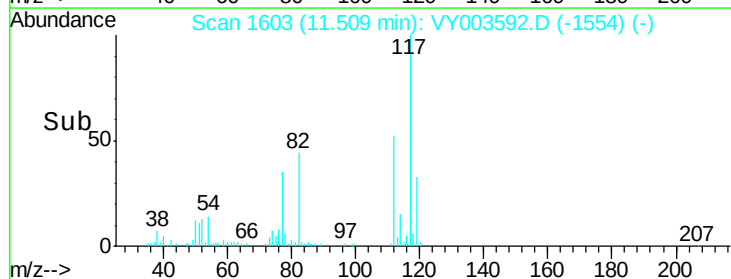
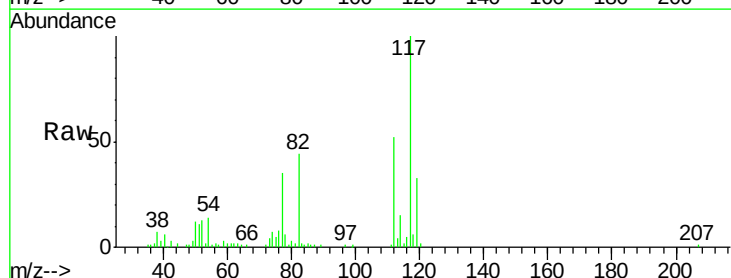
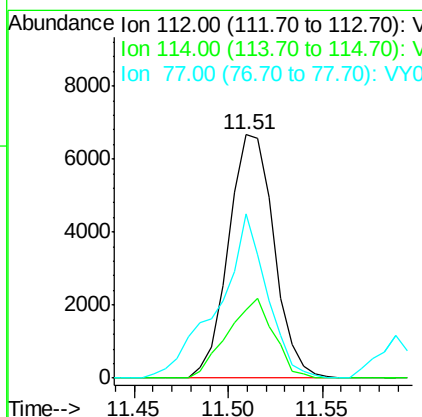
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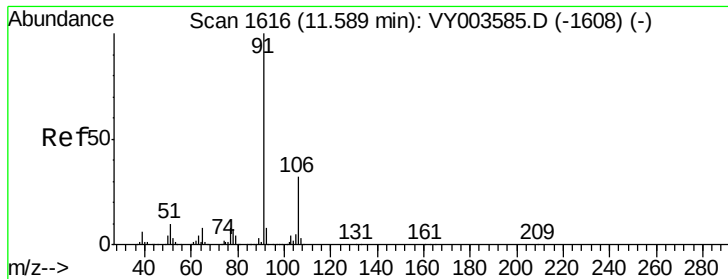
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#51
 Chlorobenzene
 Concen: 1.294 ug/L
 RT: 11.51 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	28.1	22.4	41.6
77	67.5	44.2	66.2#





#52

Ethylbenzene

Concen: 1.167 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion: 91 Resp: 16176

Ion Ratio Lower Upper

91 100

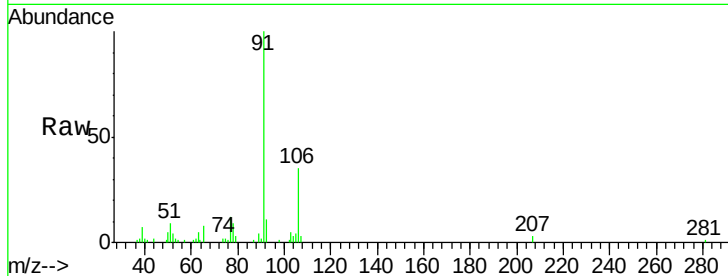
106 34.6 22.7 42.1

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Abundance Ion 91.00 (90.70 to 91.70): VY003585.D (-1608) (-)

Ion 106.00 (105.70 to 106.70): VY003585.D (-1608) (-)

11.59

10000

8000

6000

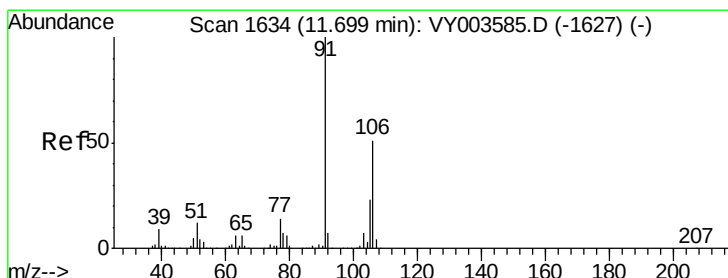
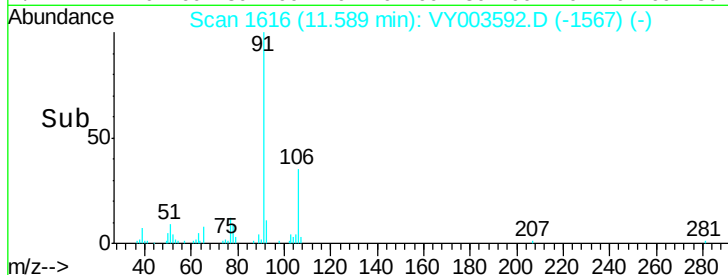
4000

2000

0

Time-->

11.55 11.60



#53

m,p-Xylene

Concen: 1.202 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003592.D

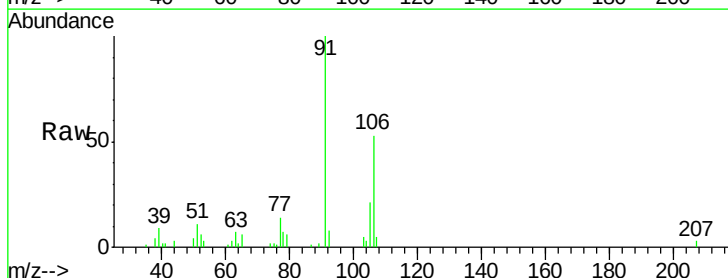
Acq: 23 Nov 2020 16:14

Tgt Ion: 106 Resp: 6429

Ion Ratio Lower Upper

106 100

91 188.2 138.2 256.6



Abundance Ion 106.00 (105.70 to 106.70): VY003585.D (-1627) (-)

Ion 91.00 (90.70 to 91.70): VY003585.D (-1627) (-)

11.70

8000

6000

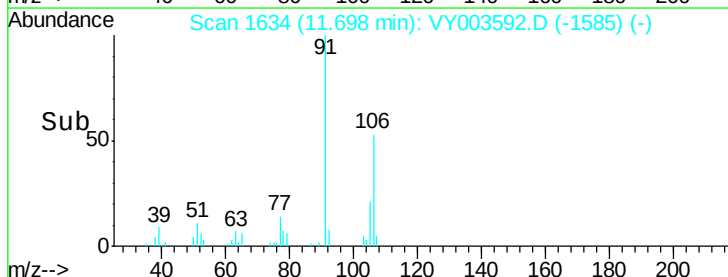
4000

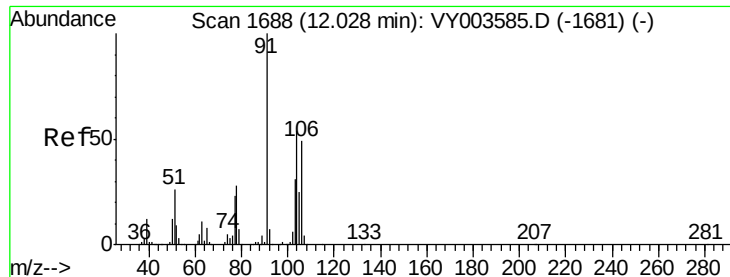
2000

0

Time-->

11.65 11.70 11.75





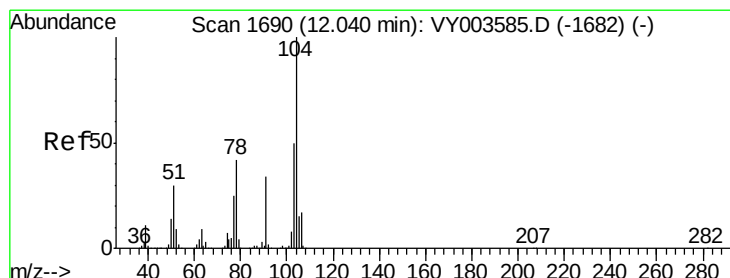
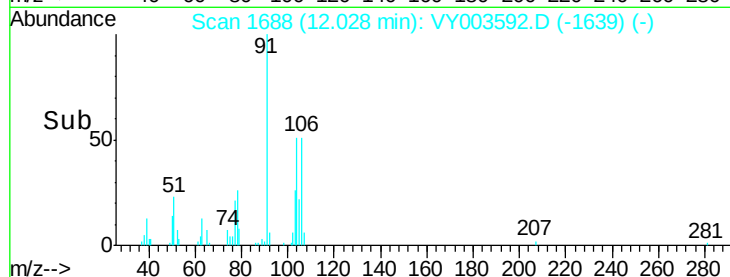
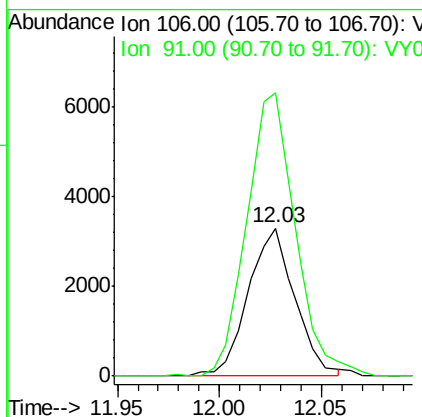
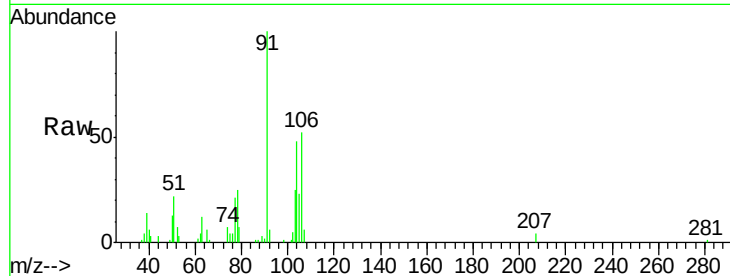
#54
o-Xylene
Concen: 1.164 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tot Ion:106 Resp: 5263
Ion Ratio Lower Upper
106 100
91 190.8 143.2 266.0

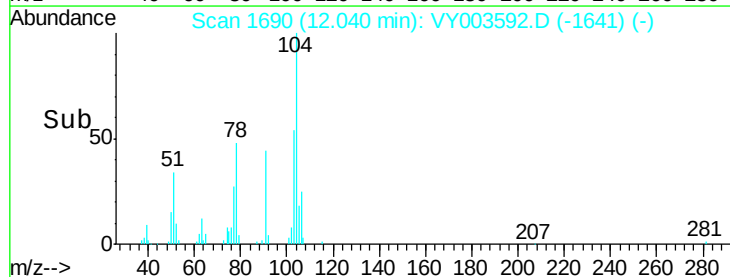
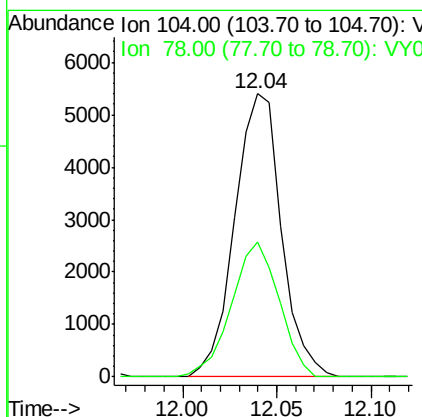
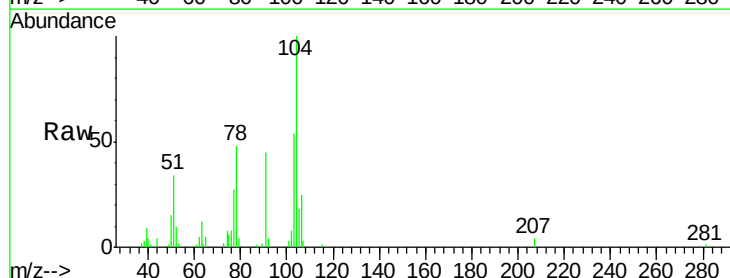
Manual Integrations
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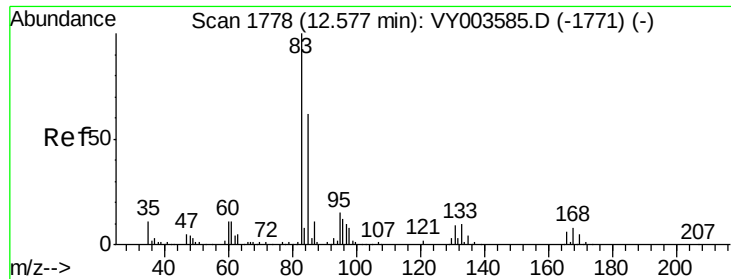
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#55
Styrene
Concen: 1.046 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Tgt Ion:104 Resp: 9253
Ion Ratio Lower Upper
104 100
78 47.6 29.5 54.7





#57

1,1,2,2-Tetrachloroethane

Concen: 1.351 ug/L

RT: 12.58 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Instrument :

MSVOA_Y

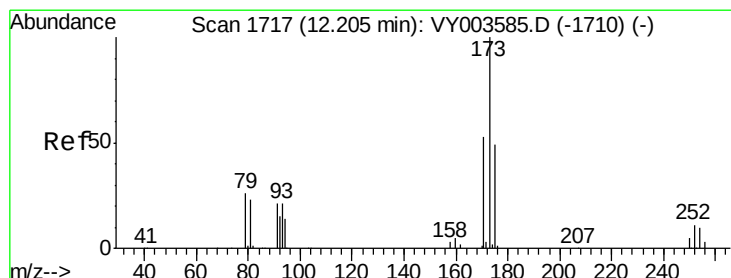
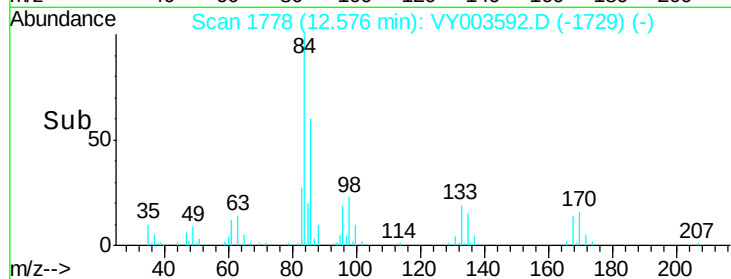
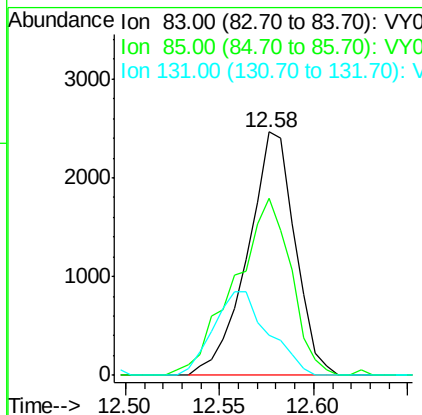
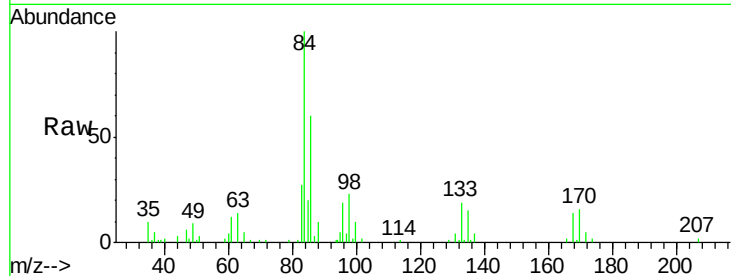
ClientSampleId :

MDL-SOIL-01

Tot Ion:	83	Resp:	4310
Ion Ratio	Lower	Upper	
83	100		
85	72.7	43.5	80.9
131	16.7	7.3	10.9#

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#59

Bromoform

Concen: 1.198 ug/L

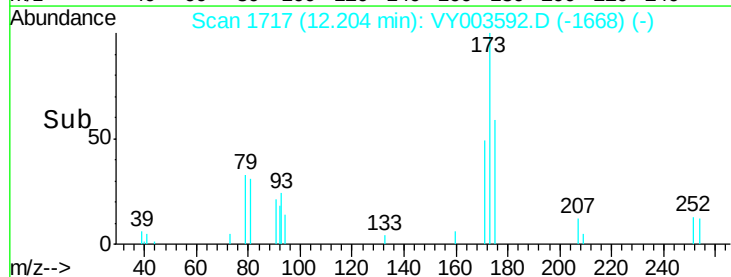
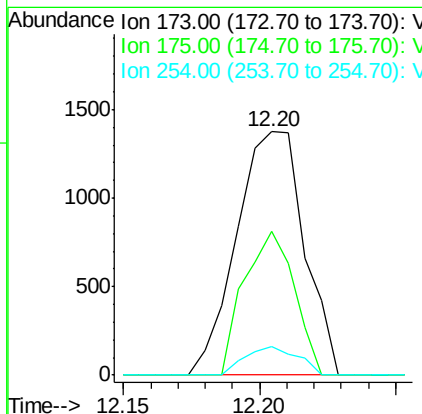
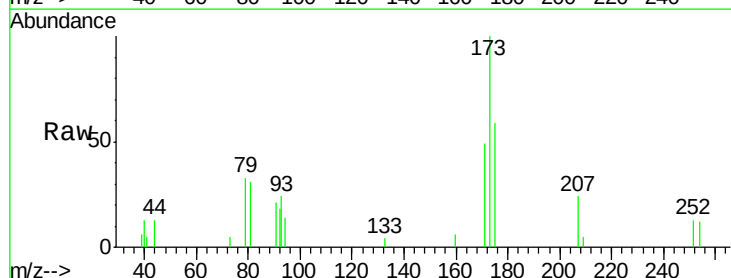
RT: 12.20 min Scan# 1717

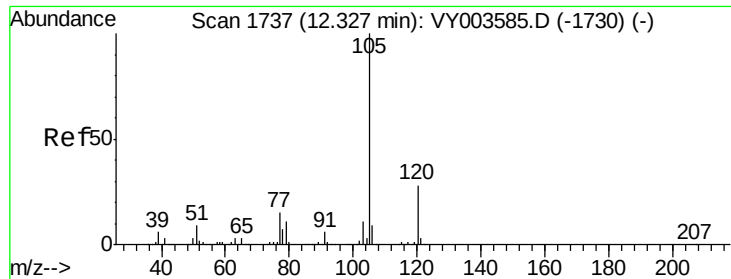
Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Tgt Ion:	173	Resp:	2368
Ion Ratio	Lower	Upper	
173	100		
175	43.8	38.9	58.3
254	9.2	8.5	12.7





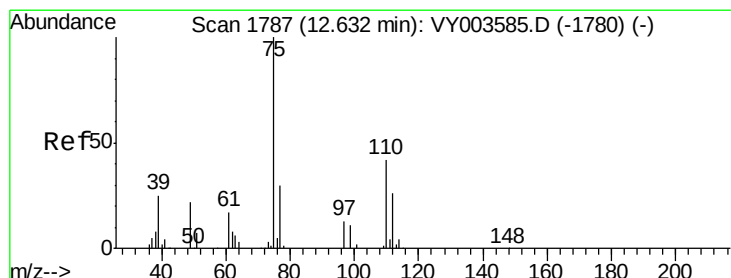
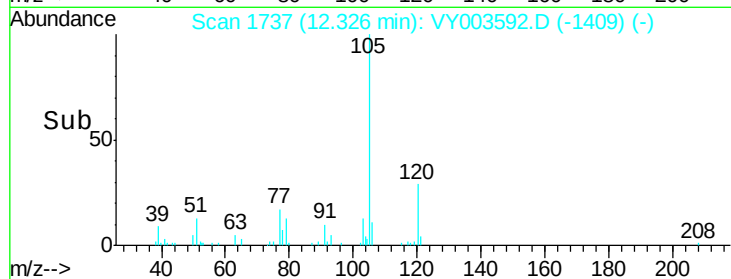
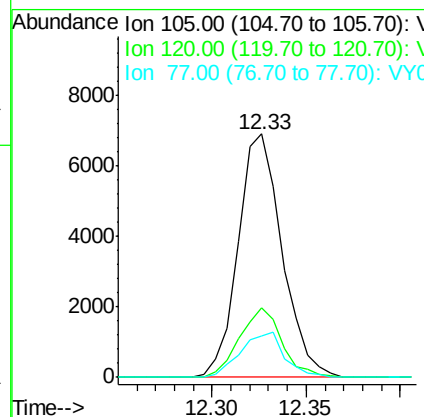
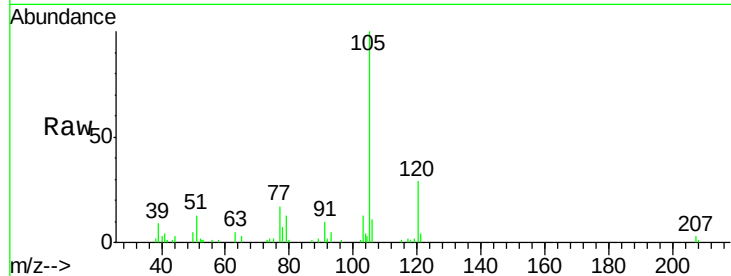
#60
Isopropylbenzene
Concen: 1.189 ug/L
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	21.8	32.6
77	18.4	12.0	18.0

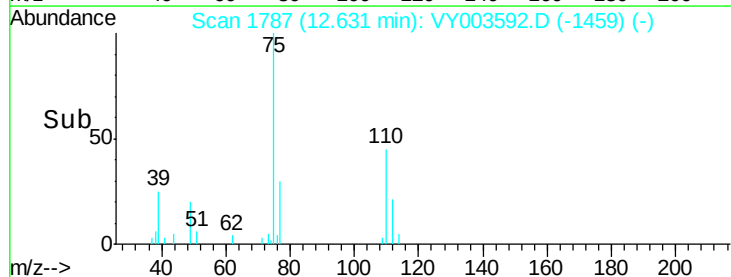
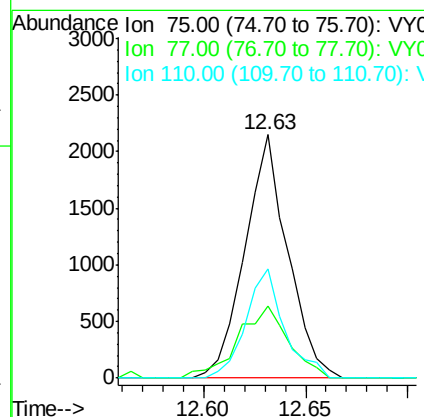
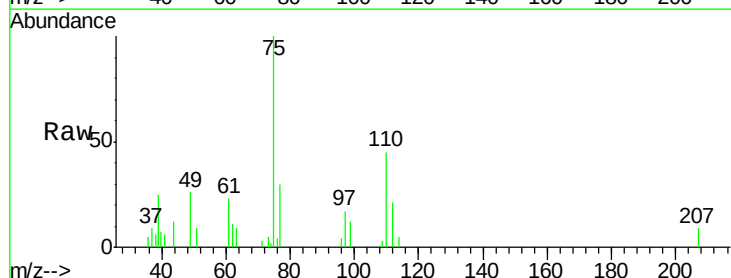
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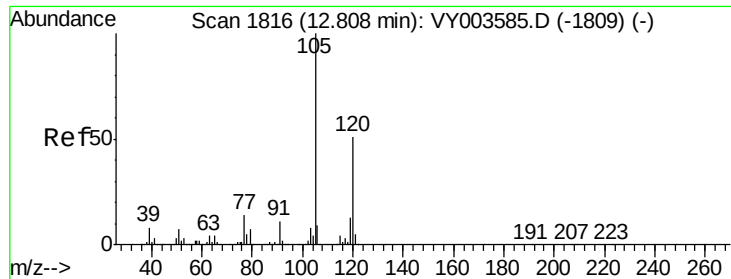
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#61
1,2,3-Trichloropropane
Concen: 1.391 ug/L
RT: 12.63 min Scan# 1787
Delta R.T. -0.00 min
Lab File: VY003592.D
Acq: 23 Nov 2020 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.8	26.1	39.1
110	40.4	33.4	50.0





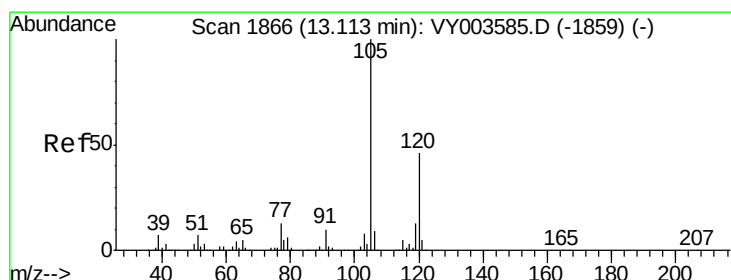
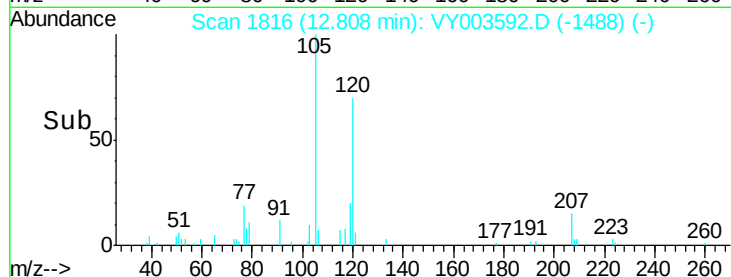
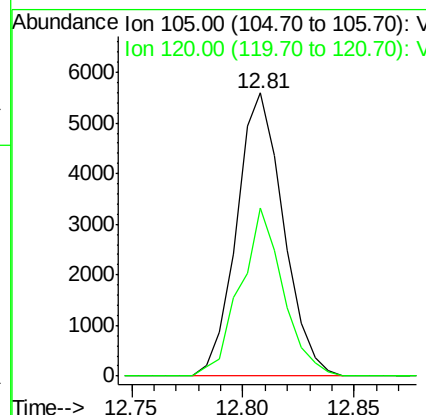
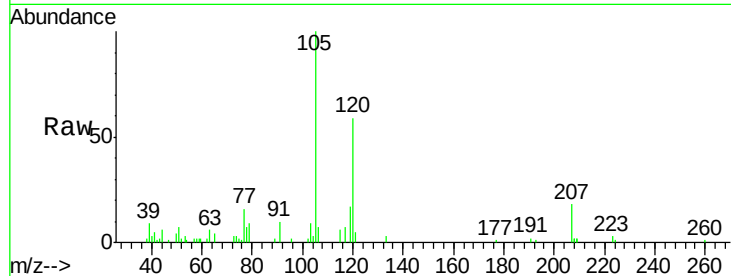
#62
 1,3,5-Trimethylbenzene
 Concen: 1.189 ug/L
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
105	100		
120	54.4	41.8	62.6

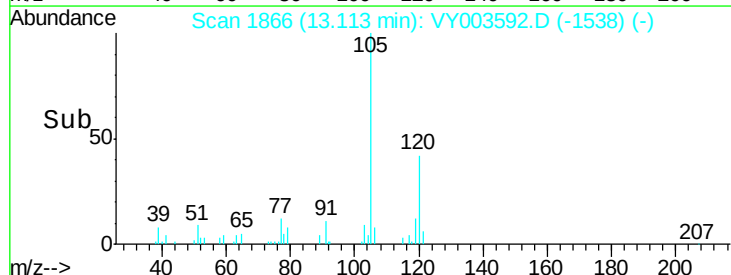
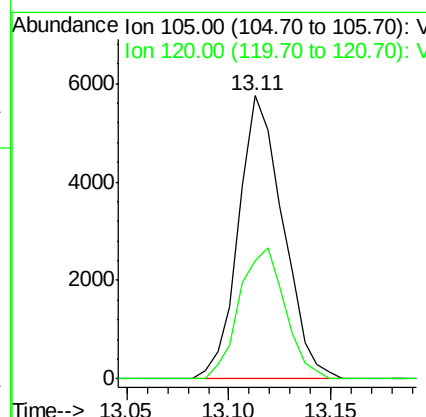
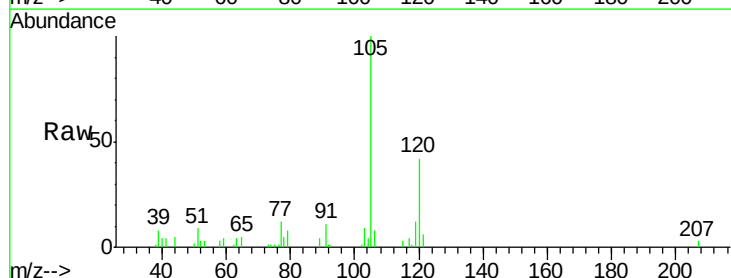
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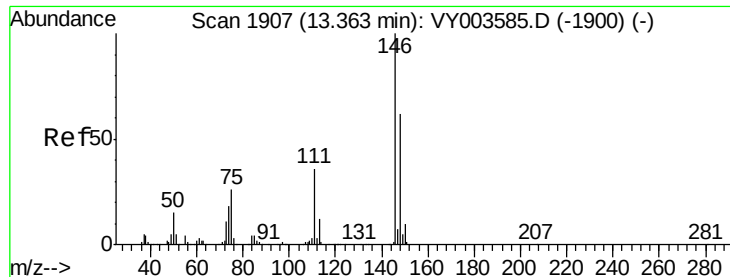
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.192 ug/L
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	38.2	57.4





#64

1,3-Dichlorobenzene

Concen: 1.291 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Instrument :

MSVOA_Y

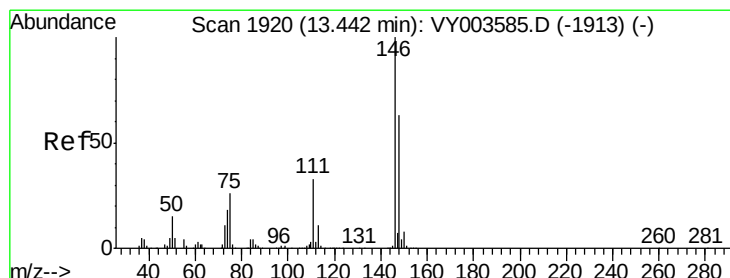
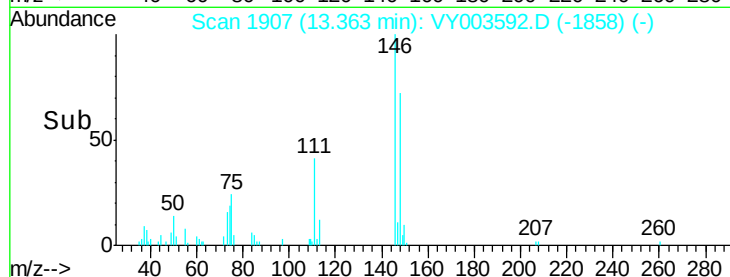
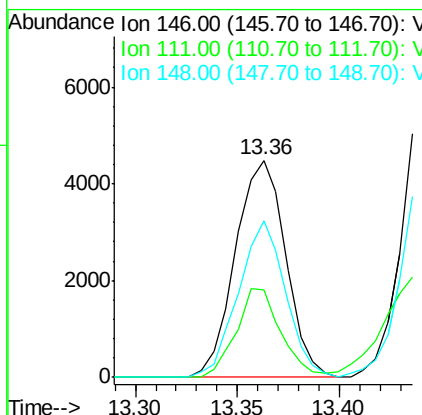
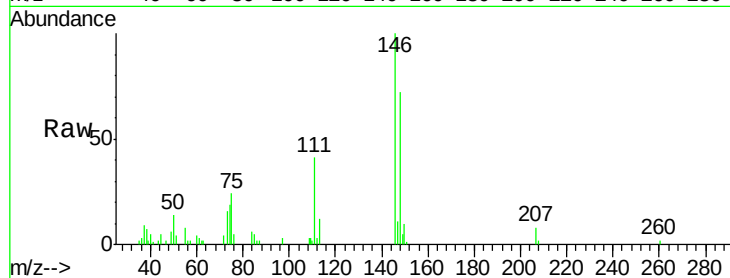
ClientSampleId :

MDL-SOIL-01

Tot Ion:	146	Resp:	7687
Ion Ratio	Lower	Upper	
146	100		
111	40.5	25.5	47.3
148	72.2	43.3	80.5

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#65

1,4-Dichlorobenzene

Concen: 1.329 ug/L

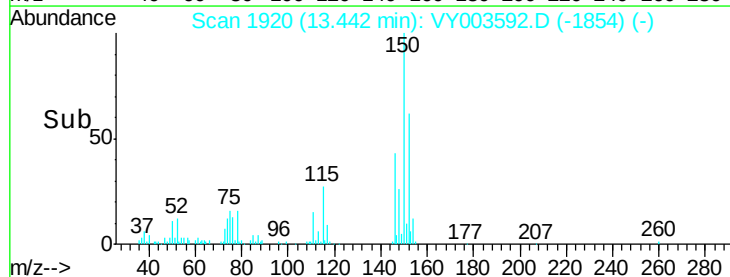
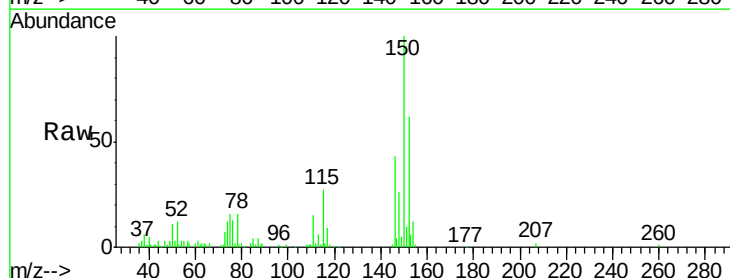
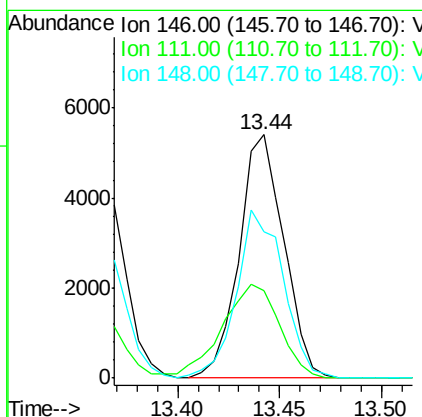
RT: 13.44 min Scan# 1920

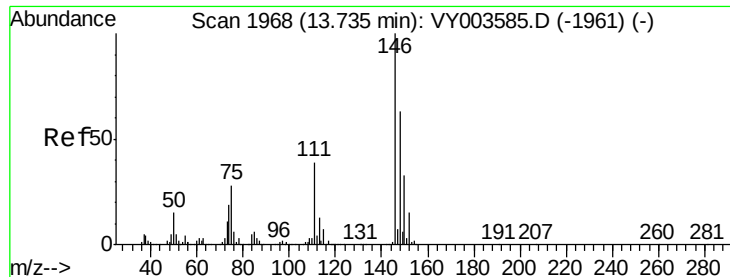
Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Tgt Ion:	146	Resp:	8237
Ion Ratio	Lower	Upper	
146	100		
111	35.8	23.4	43.6
148	60.0	44.2	82.2





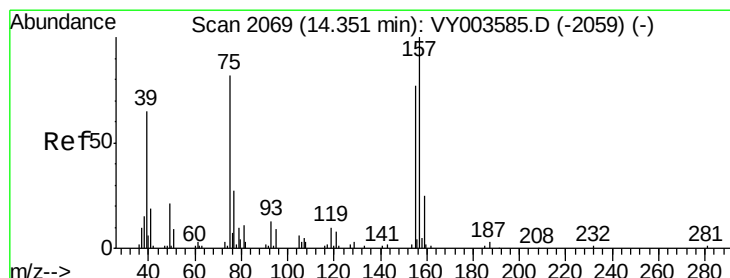
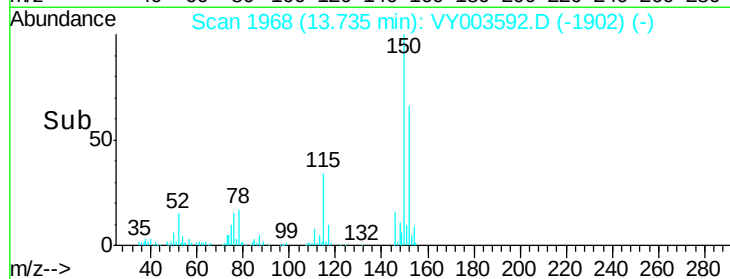
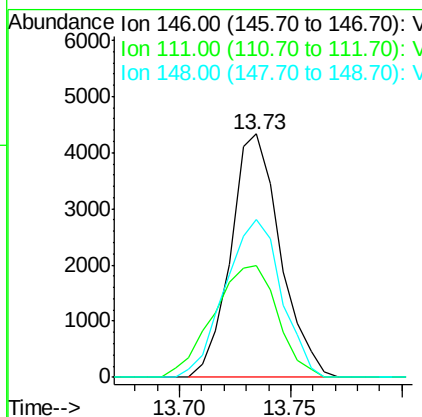
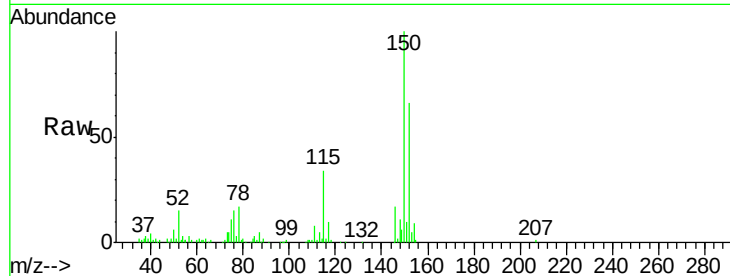
#67
 1,2-Dichlorobenzene
 Concen: 1.337 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	31.4	47.2
148	64.8	50.2	75.4

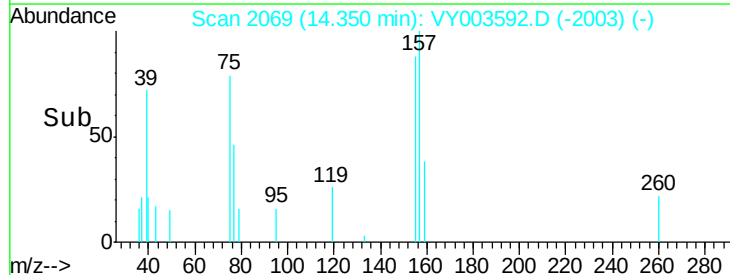
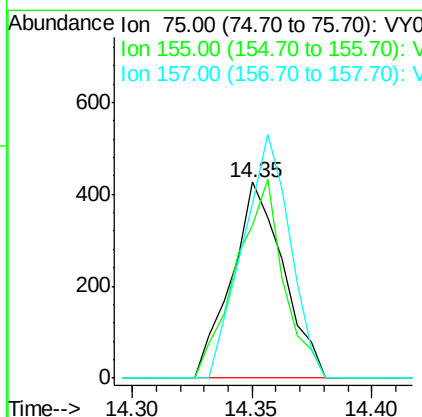
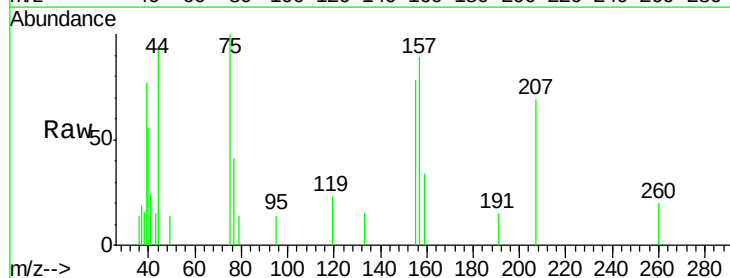
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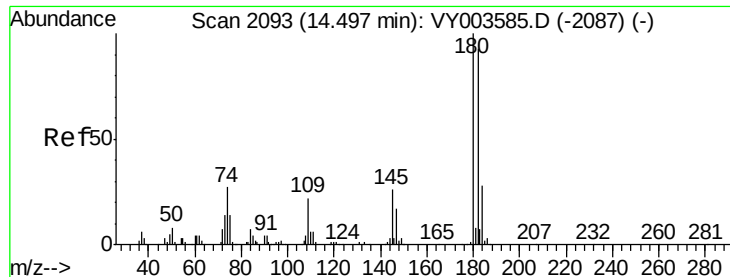
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.585 ug/L m
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	74.5	111.7
157	89.2	97.0	145.6#





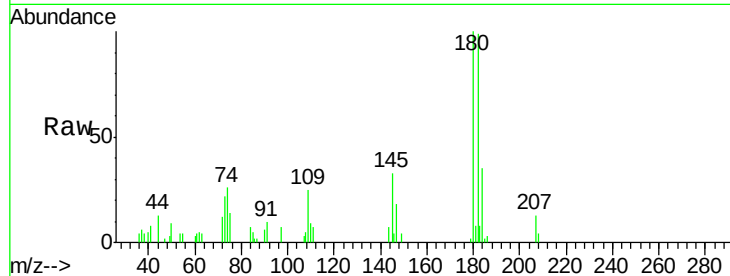
#69
 1,3,5-Trichlorobenzene
 Concen: 1.246 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.7	76.6	115.0
184	32.1	23.5	35.3
145	33.1	21.5	32.3

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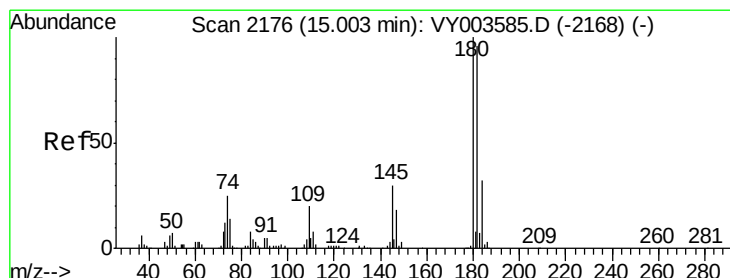
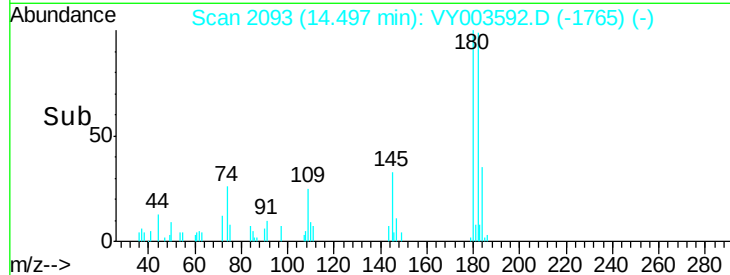
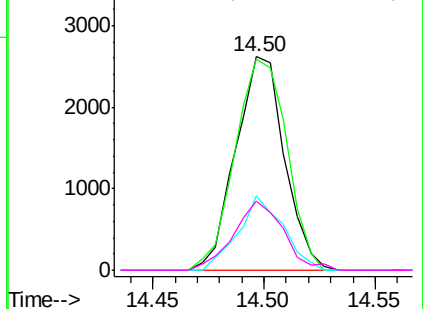


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

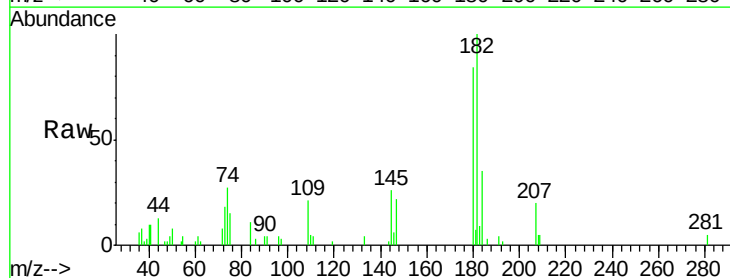
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 1.168 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003592.D
 Acq: 23 Nov 2020 16:14

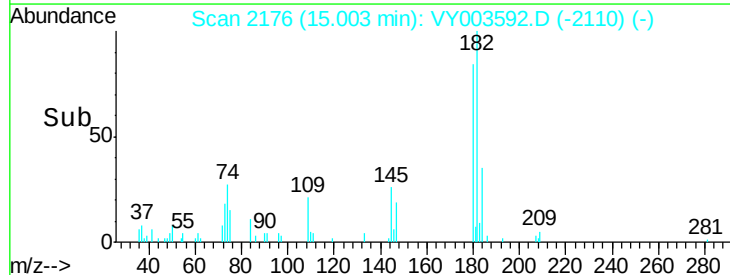
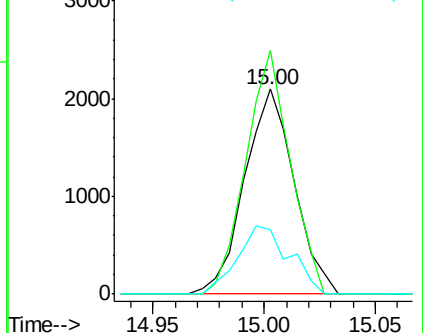
Tgt Ion	Ratio	Lower	Upper
180	100		
182	106.5	75.7	113.5
145	34.7	22.5	33.7

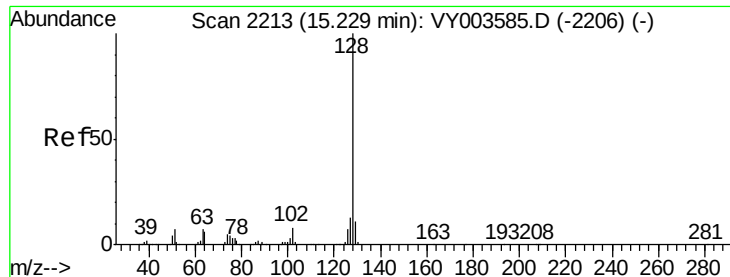


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 1.123 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Instrument :

MSVOA_Y

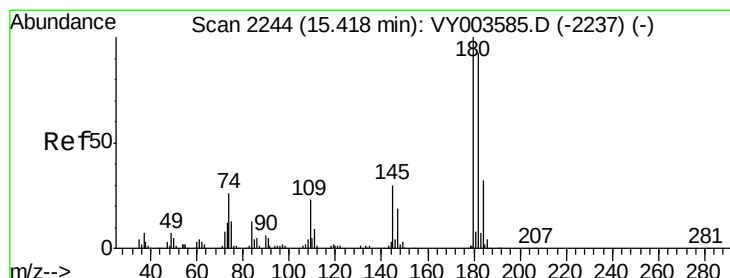
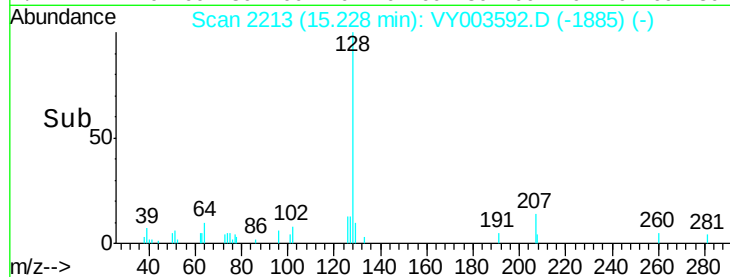
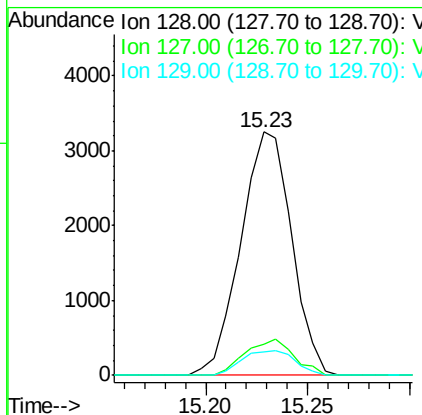
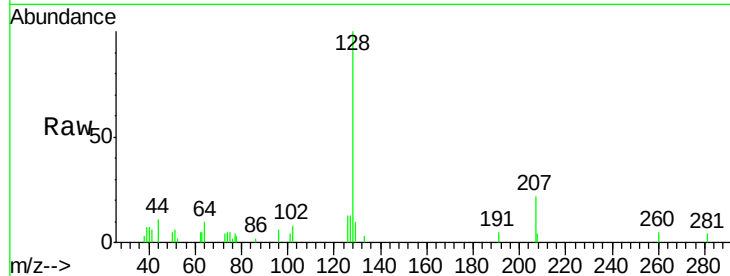
ClientSampleId :

MDL-SOIL-01

Tot Ion:	128	Resp:	5640
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.6	15.8
129	10.6	9.3	13.9

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#72

1,2,3-Trichlorobenzene

Concen: 1.188 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY003592.D

Acq: 23 Nov 2020 16:14

Tgt Ion:	180	Resp:	2496
Ion	Ratio	Lower	Upper
180	100		
182	98.0	75.0	112.4
145	33.1	23.6	35.4

