

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000656.D
 Acq On : 12 Nov 2019 15:18
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:07:06 PM

Quant Time: Nov 13 10:12:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 03:17:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	356843	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	323475	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	155324	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	118483	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.04%
7) Chloroethane-d5	2.76	69	109189	24.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.52%
10) 1,1-Dichloroethene-d2	3.86	63	164999	17.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.92%
20) 2-Butanone-d5	6.91	46	93721	45.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.14%
24) Chloroform-d	7.49	84	209222	22.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	8.15	65	122833	22.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.52%
29) Benzene-d6	8.12	84	452031	24.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.28%
33) 1,2-Dichloropropane-d6	9.13	67	139591	23.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.84%
37) Toluene-d8	10.18	98	403236	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.92%
38) trans-1,3-Dichloropropene-	10.44	79	63491	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.48%
39) 2-Hexanone-d5	10.79	63	71404	44.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.74%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	123292	21.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.12%
61) 1,2-Dichlorobenzene-d4	13.72	152	142798	22.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	5958	1.263 ug/L	96
3) Chloromethane	2.12	50	6977	1.180 ug/L	85
5) Vinyl chloride	2.25	62	6394	1.084 ug/L #	80
6) Bromomethane	2.66	94	3743	1.162 ug/L	100
8) Chloroethane	2.80	64	3886	1.050 ug/L	92
9) Trichlorofluoromethane	3.13	101	9606	1.150 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	6222m	1.313 ug/L	
12) 1,1-Dichloroethene	3.88	96	5839	1.262 ug/L #	1
13) Acetone	3.96	43	5846m	3.843 ug/L	
14) Carbon disulfide	4.20	76	14211	0.996 ug/L	98
15) Methyl Acetate	4.49	43	3786m	1.086 ug/L	
16) Methylene chloride	4.72	84	11876	2.016 ug/L	84
17) Methyl tert-butyl Ether	5.23	73	14889m	1.058 ug/L	
18) trans-1,2-Dichloroethene	5.23	96	5419m	1.049 ug/L	
19) 1,1-Dichloroethane	6.04	63	9780m	1.076 ug/L	
21) 2-Butanone	7.00	43	8265m	3.084 ug/L	
22) cis-1,2-Dichloroethene	7.00	96	6112	1.069 ug/L	79

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

23) Bromochloromethane	7.36	128	2511m	1.006	ug/L	
25) Chloroform	7.51	83	17234m	1.759	ug/L	
27) 1,2-Dichloroethane	8.24	62	7099	1.084	ug/L #	94
30) Cyclohexane	7.78	56	9489m	1.075	ug/L	
31) 1,1,1-Trichloroethane	7.72	97	8152	1.023	ug/L	91
32) Carbon tetrachloride	7.91	117	7449m	1.072	ug/L	
34) Benzene	8.17	78	23648	1.118	ug/L	100
35) Trichloroethene	8.94	95	6108	1.101	ug/L	99
36) Methylcyclohexane	9.19	83	9846	1.037	ug/L #	90
40) 1,2-Dichloropropane	9.23	63	6012	1.122	ug/L	100
41) Bromodichloromethane	9.50	83	7061	1.024	ug/L	98
42) cis-1,3-Dichloropropene	9.93	75	8540	0.989	ug/L	95
43) 4-Methyl-2-pentanone	10.07	43	10596	2.067	ug/L #	93
44) Toluene	10.25	91	24835	1.086	ug/L	93
45) trans-1,3-Dichloropropene	10.47	75	6074m	0.819	ug/L	
46) 1,1,2-Trichloroethane	10.64	97	4878	1.110	ug/L #	86
47) Tetrachloroethene	10.72	164	4710	1.137	ug/L #	80
49) 2-Hexanone	10.83	43	9059	2.269	ug/L	98
50) Dibromochloromethane	10.99	129	4875	0.982	ug/L	95
51) 1,2-Dibromoethane	11.09	107	4342	1.015	ug/L #	87
52) Chlorobenzene	11.52	112	16207	1.117	ug/L	95
53) Ethylbenzene	11.59	91	26969	1.043	ug/L	96
54) m,p-Xylene	11.70	106	10305	1.053	ug/L	73
55) o-xylene	12.03	106	9387	0.977	ug/L	79
56) Styrene	12.04	104	15832	0.992	ug/L	98
57) Isopropylbenzene	12.33	105	25960	1.039	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	6357	1.159	ug/L	91
59) 1,2,3-Trichloropropane	12.63	75	5177	1.161	ug/L	98
62) Bromoform	12.20	173	2886	0.978	ug/L #	90
63) 1,3-Dichlorobenzene	13.36	146	12422	1.121	ug/L	92
64) 1,4-Dichlorobenzene	13.44	146	12159	1.098	ug/L #	91
65) 1,2-Dichlorobenzene	13.74	146	11937	1.163	ug/L	96
67) 1,3,5-Trichlorobenzene	14.50	180	8308	1.076	ug/L	97
68) 1,2,4-trichlorobenzene	15.00	180	6874	0.996	ug/L	94
69) Naphthalene	15.23	128	17825	1.036	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	7302	1.138	ug/L	97

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

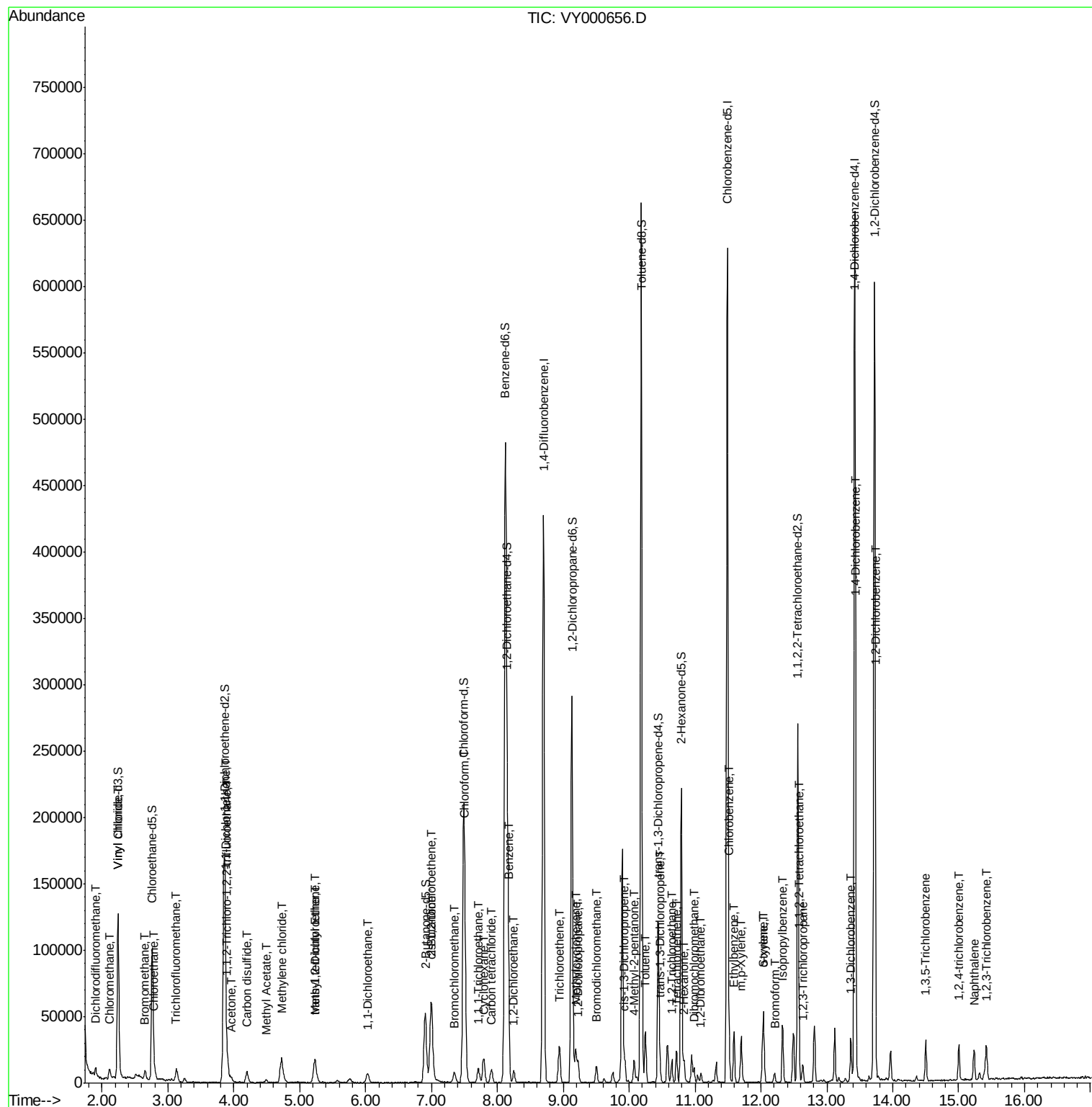
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
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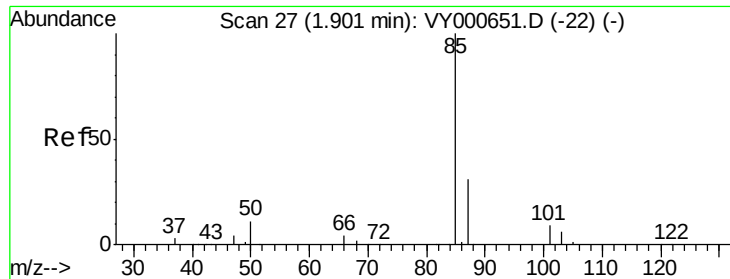
Instrument :
MSVOA_Y
ClientSampleId :
MDL04

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#2

Dichlorodifluoromethane

Concen: 1.263 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tot Ion: 85 Resp: 5958

Ion Ratio Lower Upper

85 100

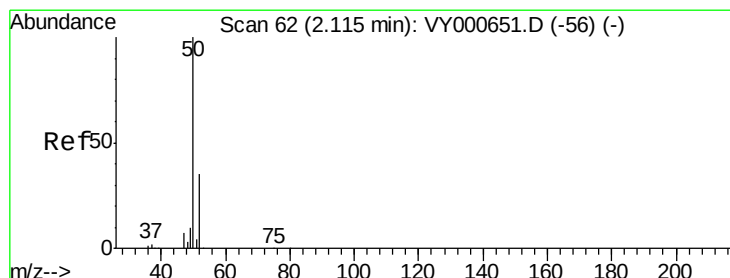
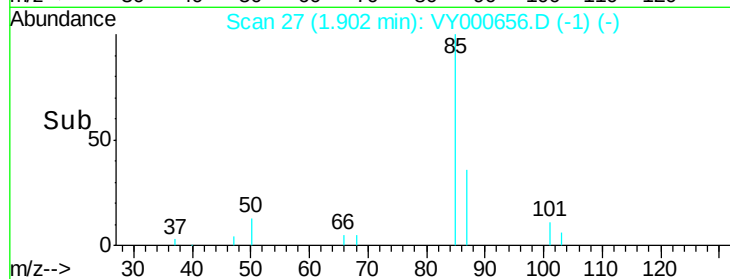
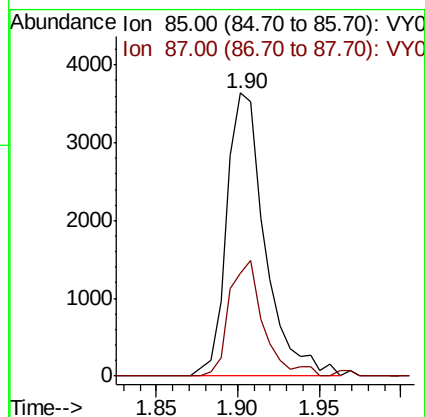
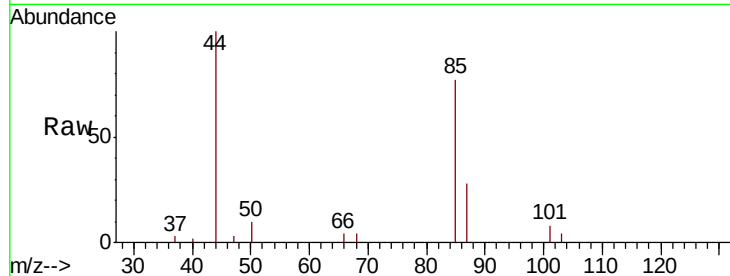
87 34.8 22.7 42.1

Manual Integrations

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#3

Chloromethane

Concen: 1.180 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000656.D

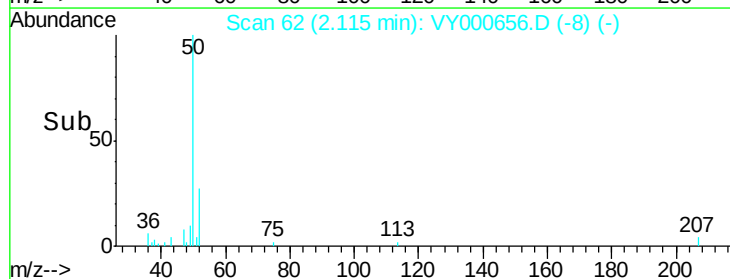
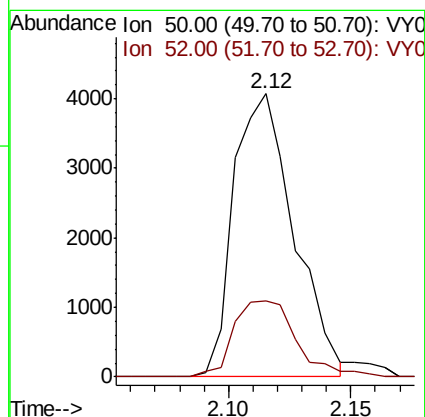
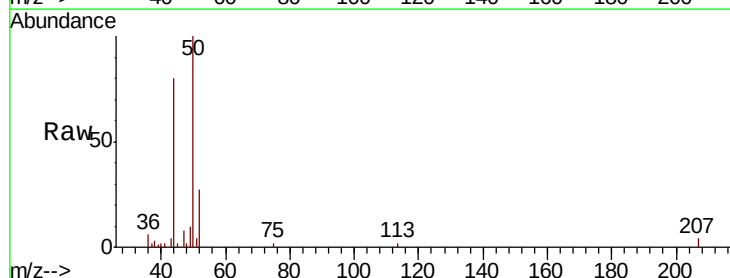
Acq: 12 Nov 2019 15:18

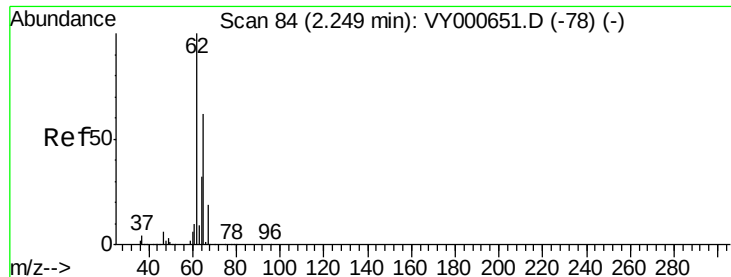
Tgt Ion: 50 Resp: 6977

Ion Ratio Lower Upper

50 100

52 26.8 24.9 46.3





#5

Vinyl chloride

Concen: 1.084 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tot Ion: 62 Resp: 6394

Ion Ratio Lower Upper

62 100

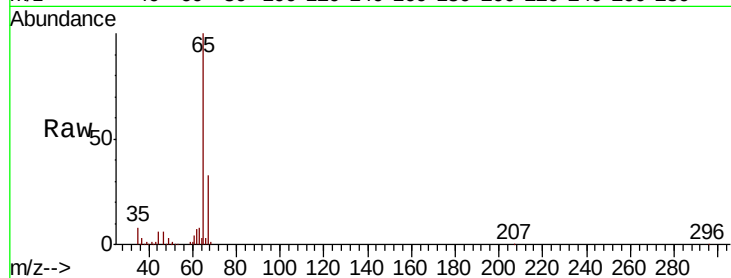
64 42.7 22.0 40.8#

Manual Integrations

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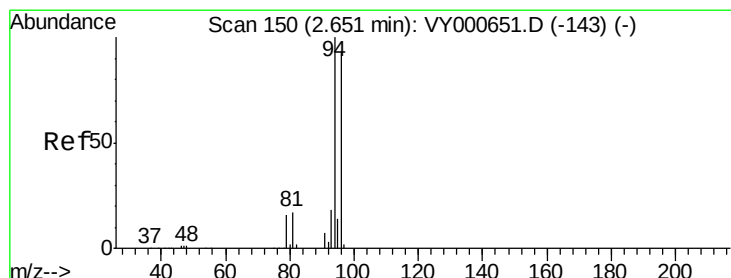
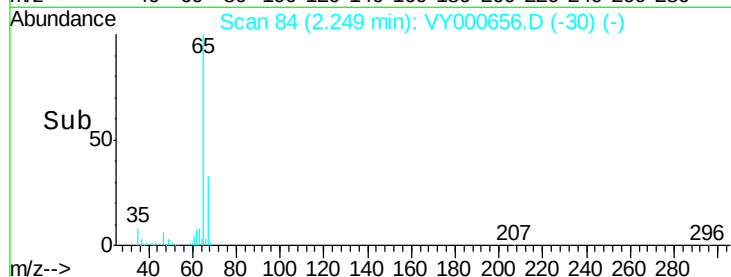
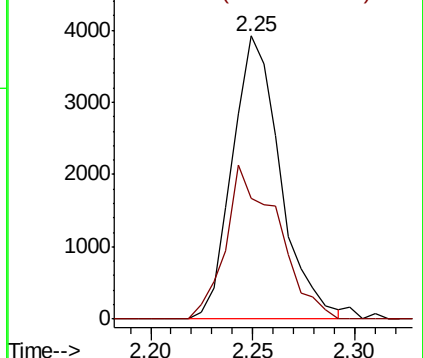
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Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 1.162 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000656.D

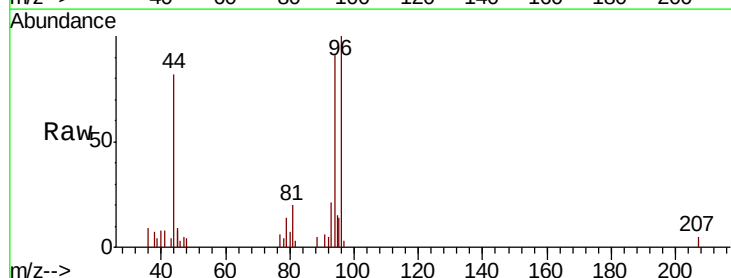
Acq: 12 Nov 2019 15:18

Tgt Ion: 94 Resp: 3743

Ion Ratio Lower Upper

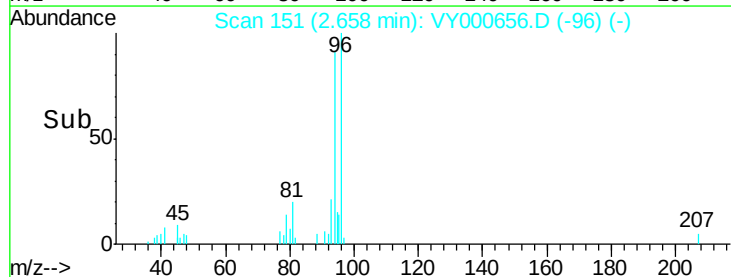
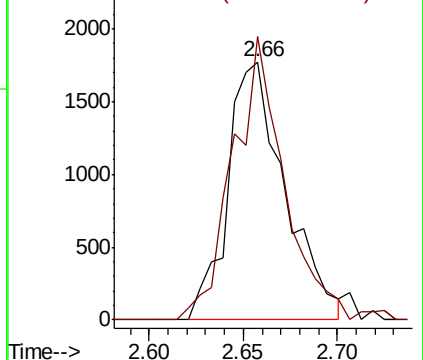
94 100

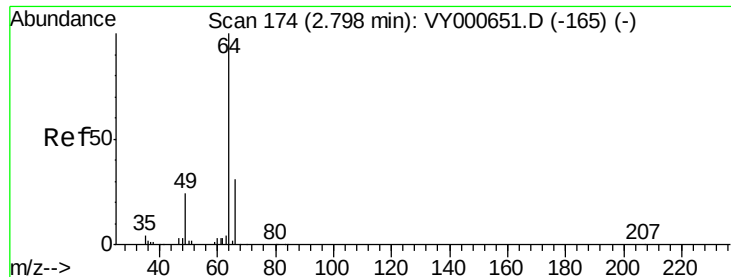
96 97.7 9.8 185.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 1.050 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampled :

MDL04

Tot Ion: 64 Resp: 3886

Ion Ratio Lower Upper

64 100

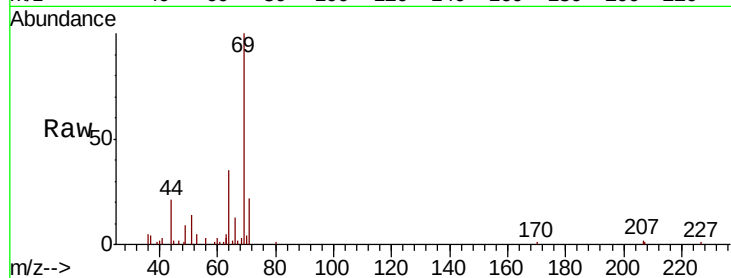
66 36.1 22.2 41.2

Manual Integrations

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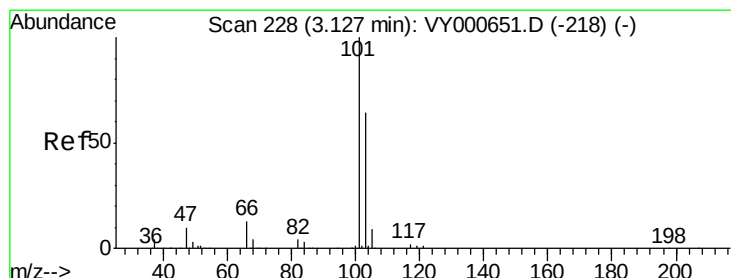
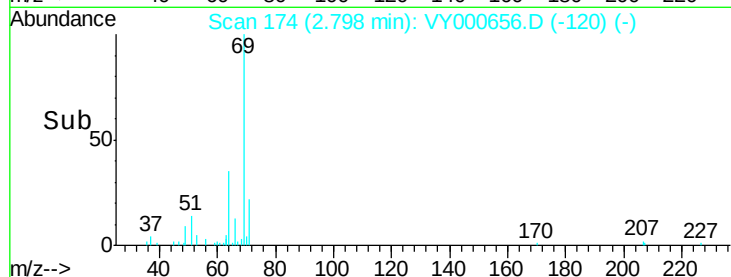
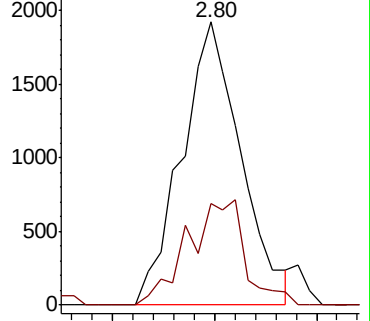
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Abundance Ion 64.00 (63.70 to 64.70): VY000651.D (-165) (-)

Ion 66.00 (65.70 to 66.70): VY000651.D (-165) (-)



#9

Trichlorofluoromethane

Concen: 1.150 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000656.D

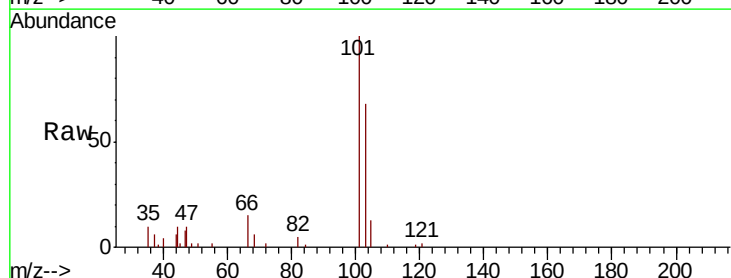
Acq: 12 Nov 2019 15:18

Tgt Ion: 101 Resp: 9606

Ion Ratio Lower Upper

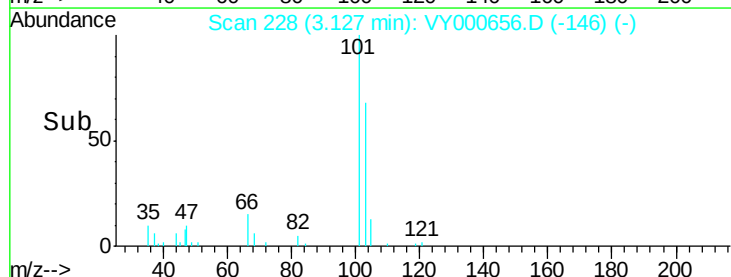
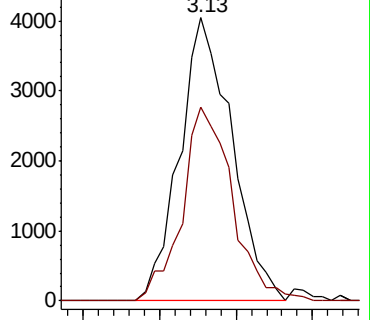
101 100

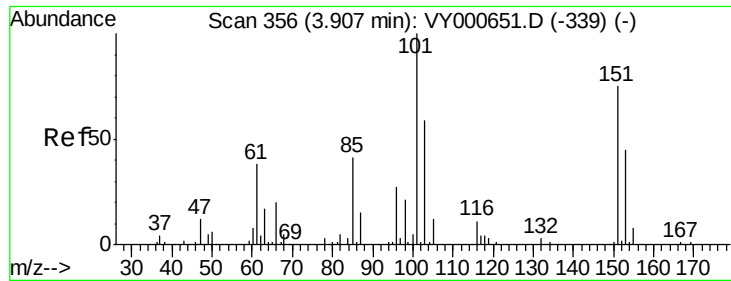
103 65.8 45.8 85.0



Abundance Ion 101.00 (100.70 to 101.70): VY000651.D (-218) (-)

Ion 103.00 (102.70 to 103.70): VY000651.D (-218) (-)





#11

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

Concen: 1.313 ug/L m

RT: 3.90 min Scan# 354

Delta R.T. -0.01 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

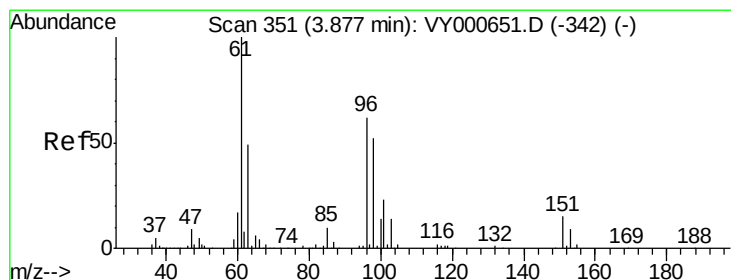
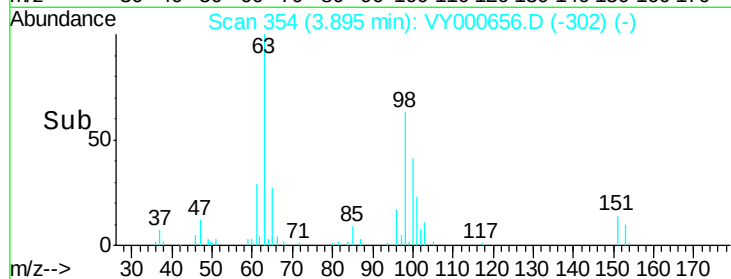
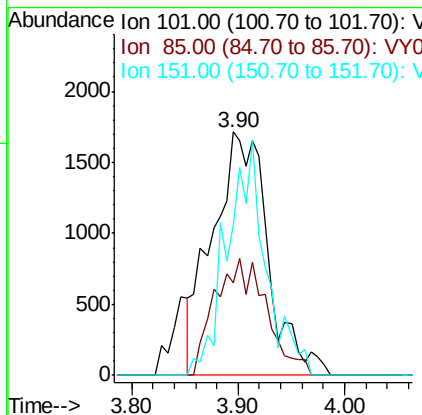
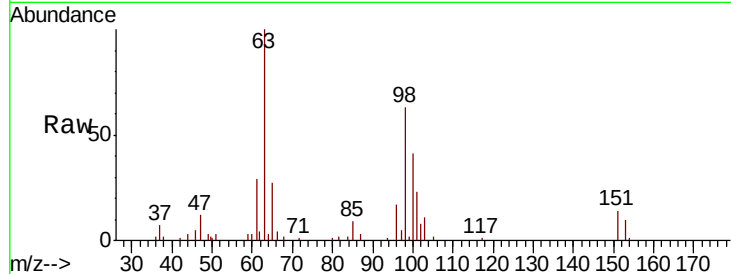
ClientSampleId :

MDL04

Tot Ion:	101	Resp:	6222
Ion Ratio	Lower	Upper	
101	100		
85	26.7	35.3	52.9#
151	46.7	61.9	92.9#

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#12

1,1-Dichloroethene

Concen: 1.262 ug/L

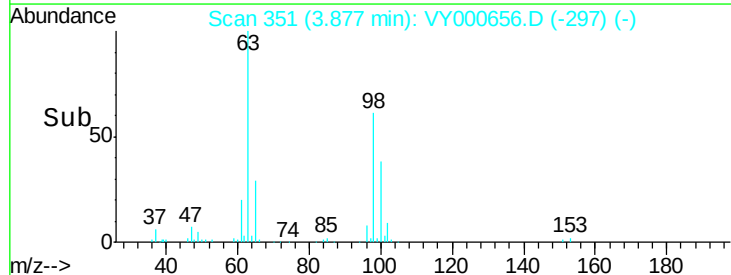
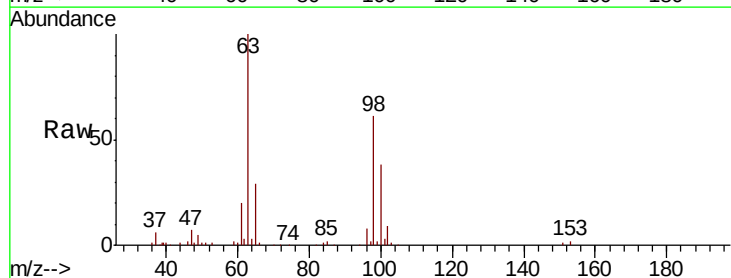
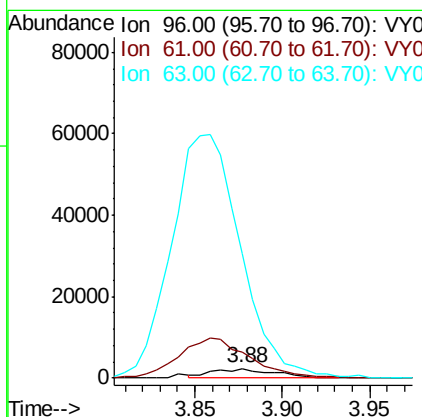
RT: 3.88 min Scan# 351

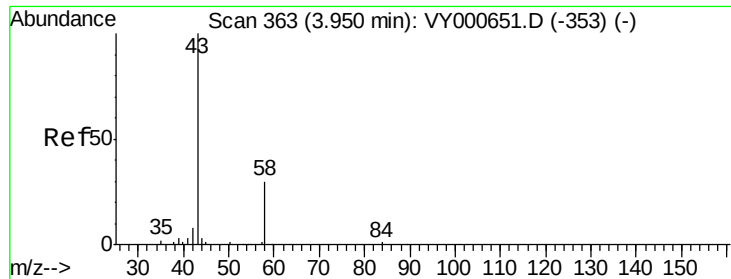
Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Tgt Ion:	96	Resp:	5839
Ion Ratio	Lower	Upper	
96	100		
61	265.3	113.5	210.9#
63	1294.7	94.3	175.1#





#13

Acetone

Concen: 3.843 ug/L m

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tot Ion: 43 Resp: 5846

Ion Ratio Lower Upper

43 100

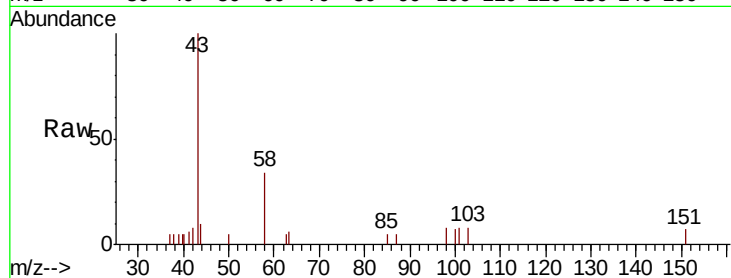
58 17.3 0.0 64.8

Manual Integrations

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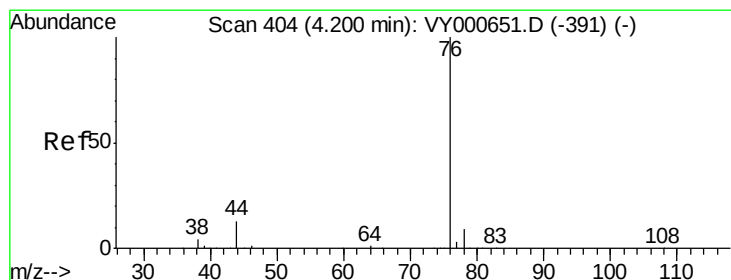
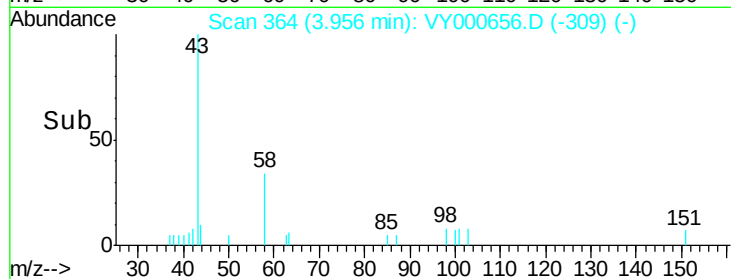
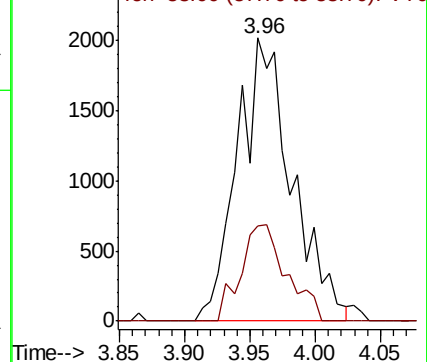
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 0.996 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000656.D

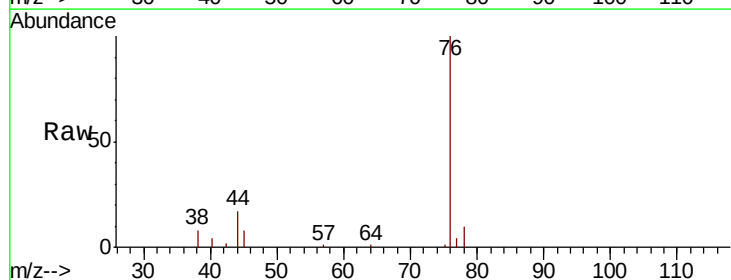
Acq: 12 Nov 2019 15:18

Tgt Ion: 76 Resp: 14211

Ion Ratio Lower Upper

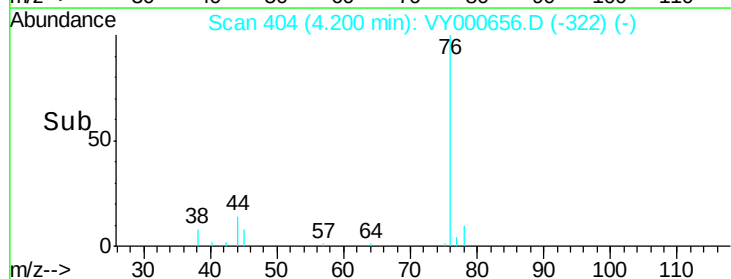
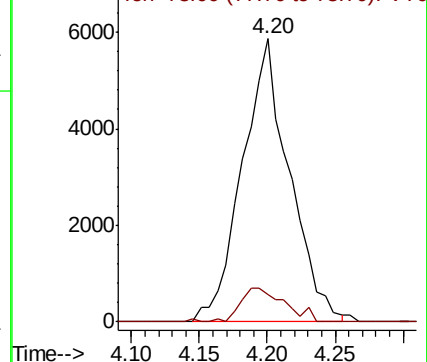
76 100

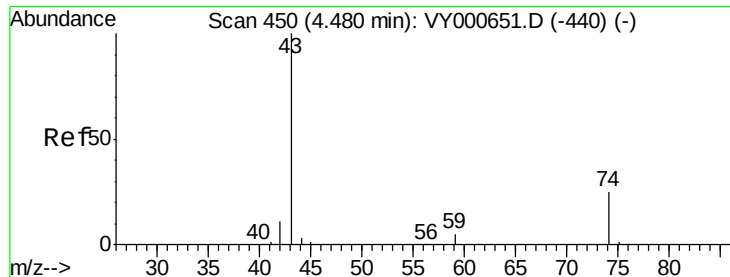
78 9.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





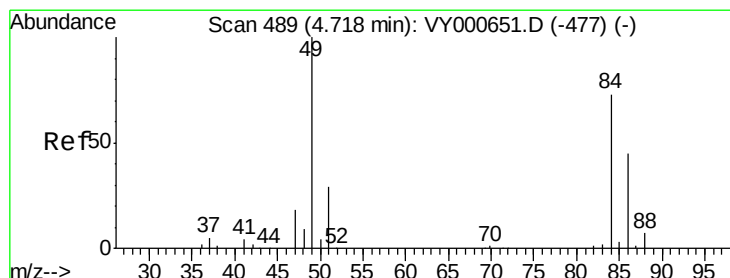
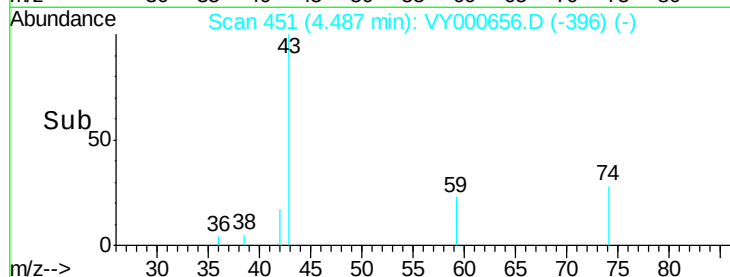
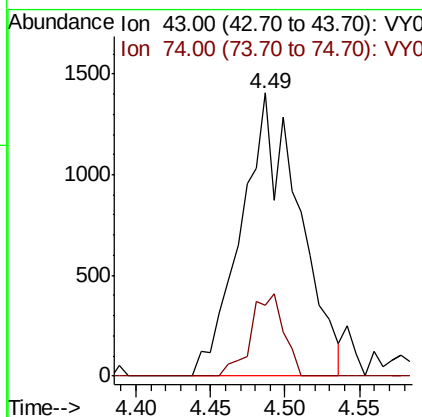
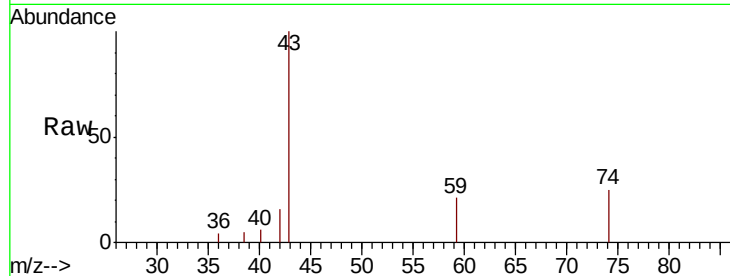
#15
Methvl Acetate
Concen: 1.086 ug/L m
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Tot Ion: 43 Resp: 3786
Ion Ratio Lower Upper
43 100
74 15.4 18.1 27.1#

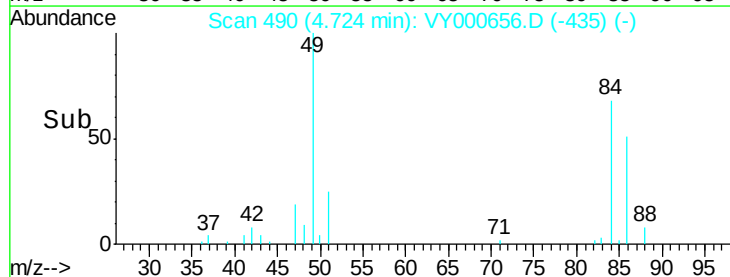
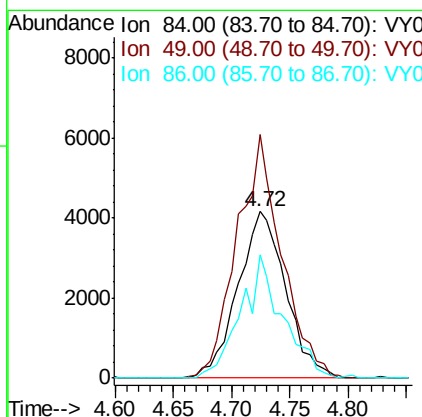
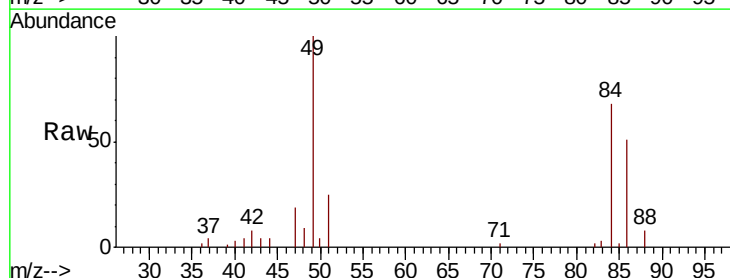
Manual Integrations
APPROVED

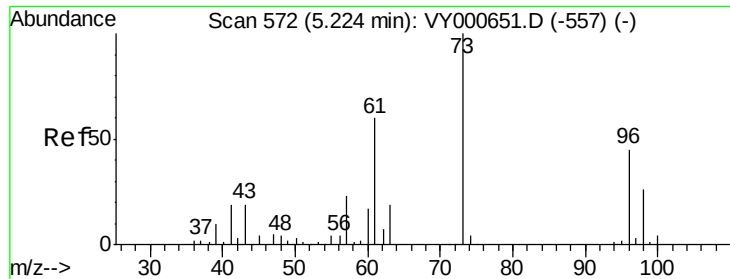
MMDadoda
11/15/2019 3:07:06 PM



#16
Methylene chloride
Concen: 2.016 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Tgt Ion: 84 Resp: 11876
Ion Ratio Lower Upper
84 100
49 146.2 88.8 165.0
86 74.1 43.9 81.5





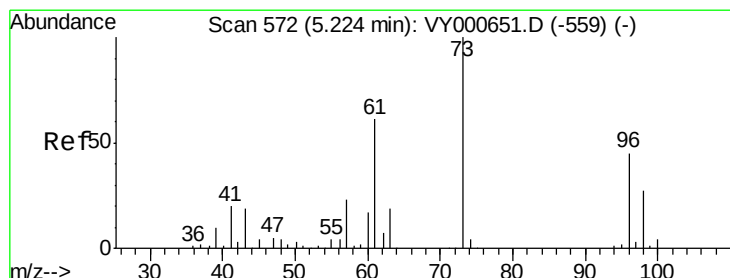
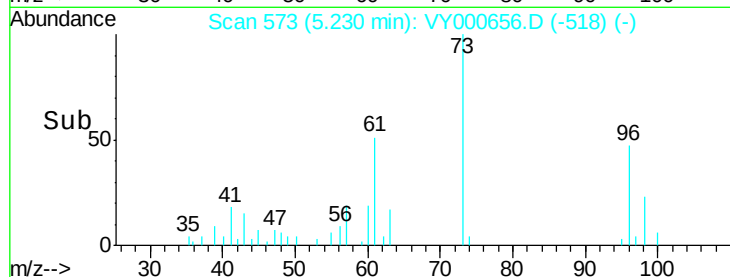
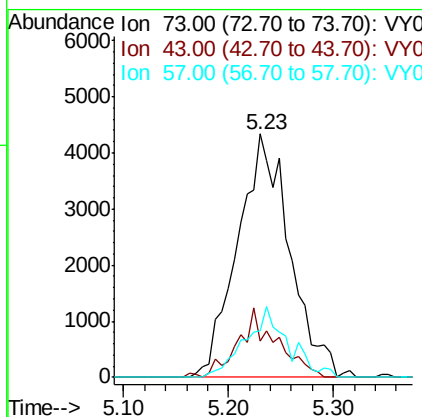
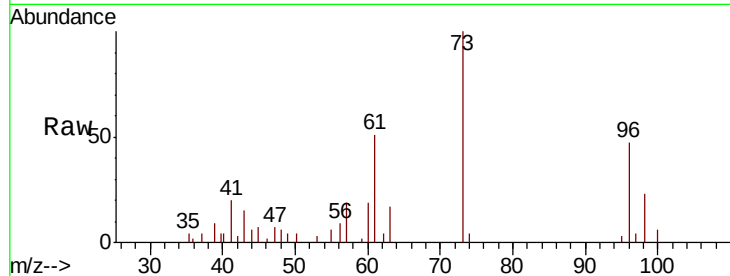
#17
Methyl tert-butyl Ether
Concen: 1.058 ug/L m
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_Y
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
73	100		
43	1.8	15.4	23.0#
57	19.8	17.5	26.3

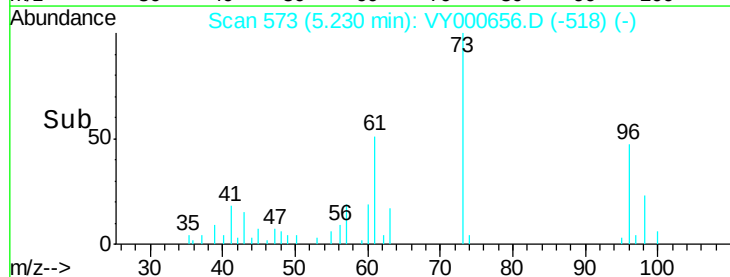
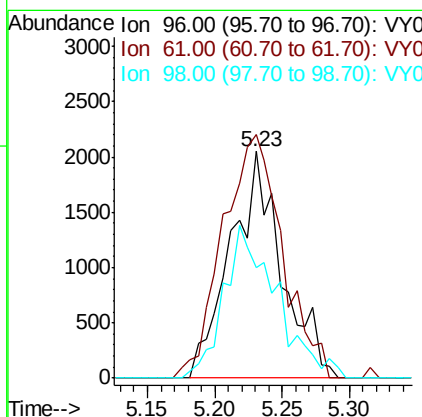
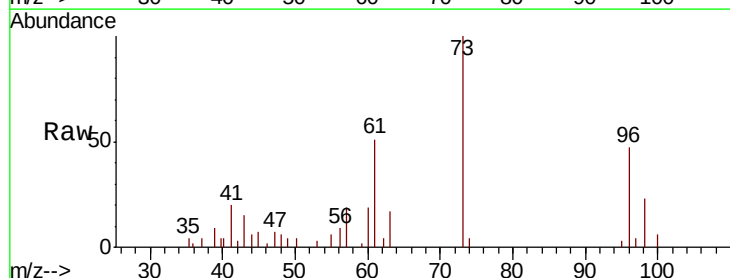
Manual Integrations
APPROVED

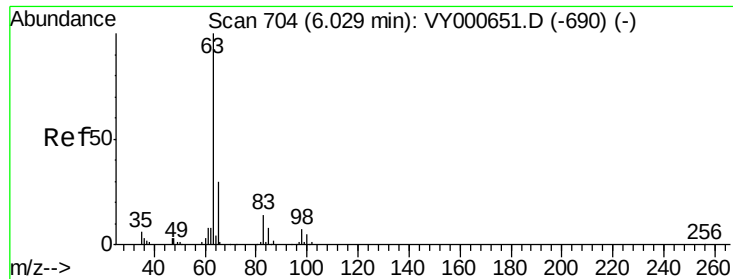
MMDadoda
11/15/2019 3:07:06 PM



#18
trans-1,2-Dichloroethene
Concen: 1.049 ug/L m
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	107.5	91.8	170.4
98	48.7	46.3	85.9





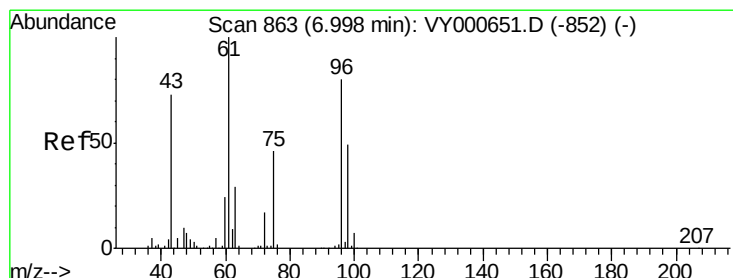
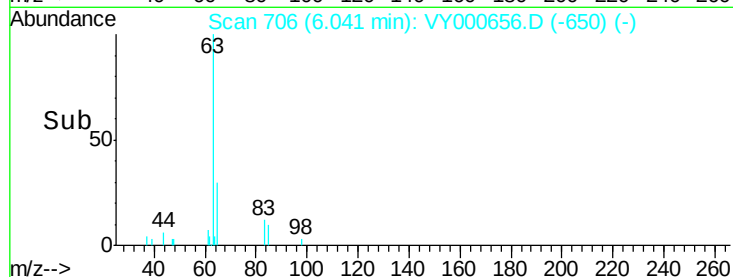
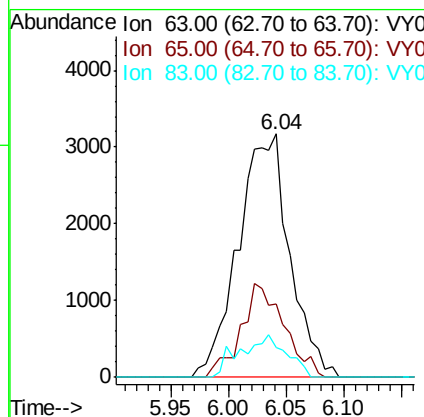
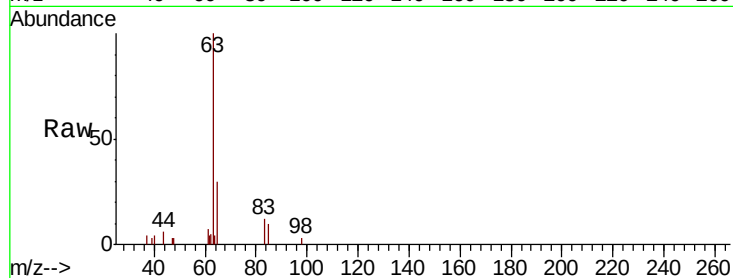
#19
 1,1-Dichloroethane
 Concen: 1.076 ug/L m
 RT: 6.04 min Scan# 706
 Delta R.T. 0.01 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	23.9	44.5
83	12.3	10.1	18.9

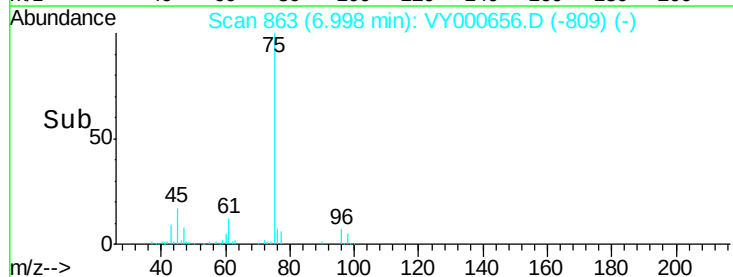
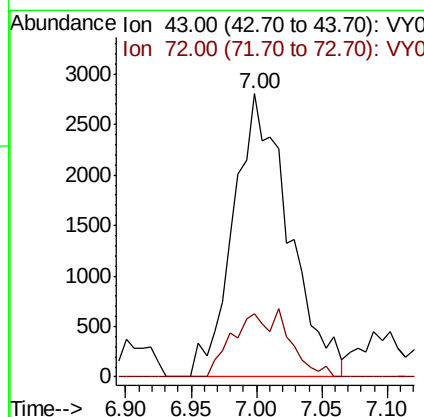
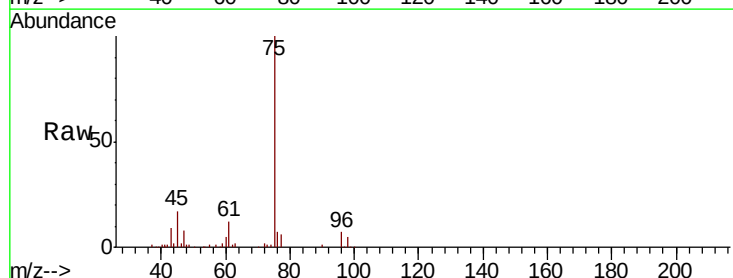
Manual Integrations
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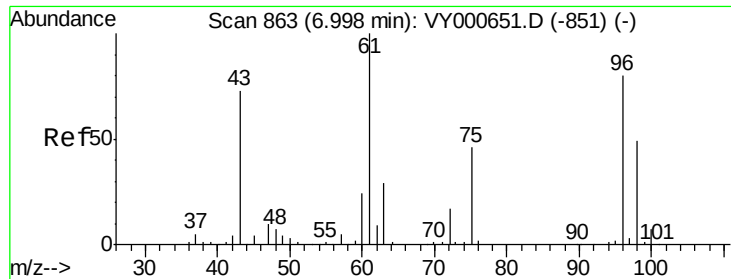
MMDadoda
 11/15/2019 3:07:06 PM



#21
 2-Butanone
 Concen: 3.084 ug/L m
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	15.2	12.6	37.8





#22

cis-1,2-Dichloroethene

Concen: 1.069 ug/L

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000656.D

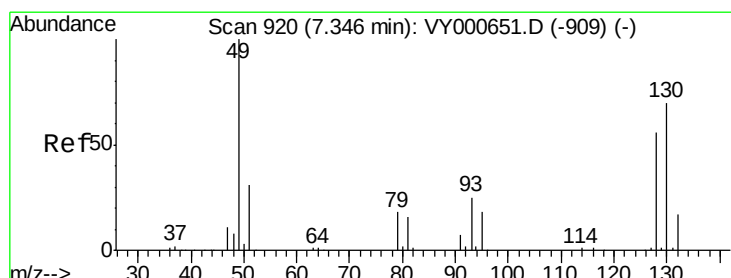
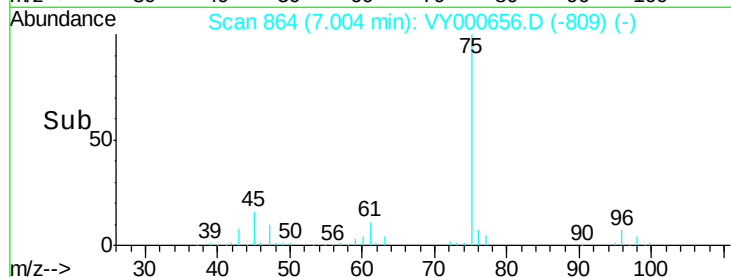
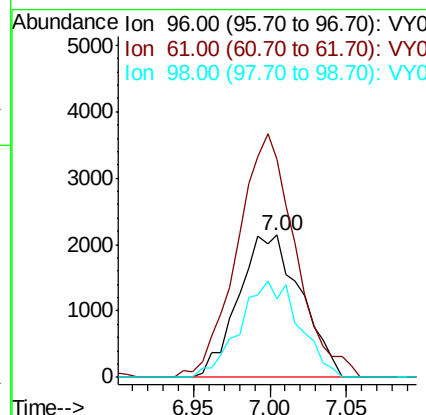
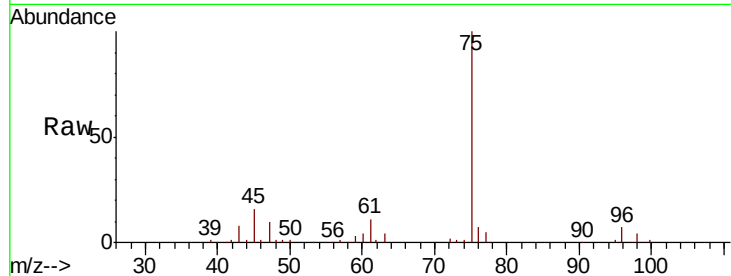
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_Y
ClientSampleID :
MDL04

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.8	86.8	161.2
98	54.7	44.6	82.8

Manual Integrations
APPROVED

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#23

Bromochloromethane

Concen: 1.006 ug/L m

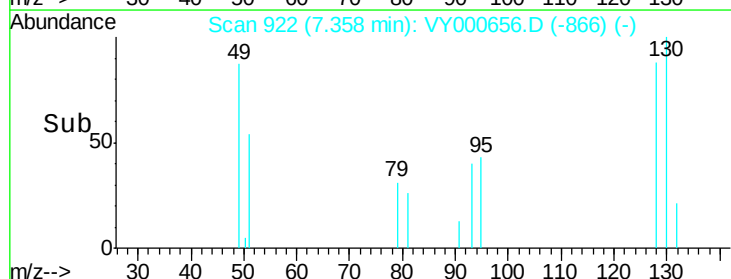
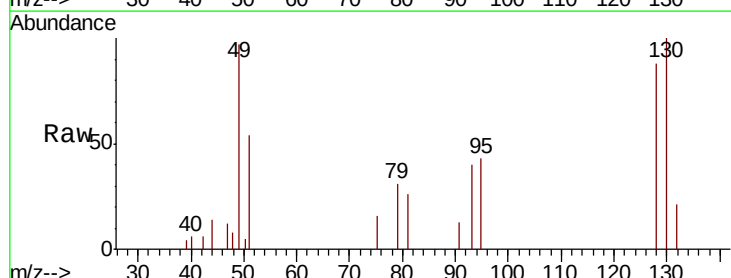
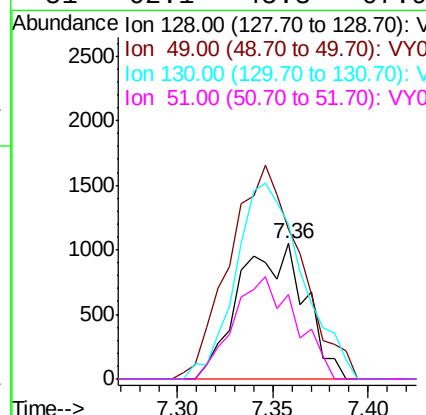
RT: 7.36 min Scan# 922

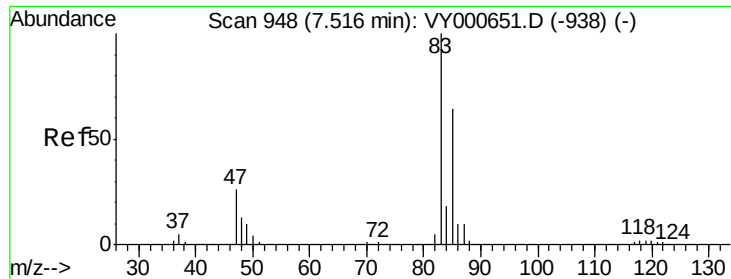
Delta R.T. 0.01 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
128	100		
49	110.2	131.5	244.3#
130	114.1	96.7	179.5
51	62.1	45.3	67.9





#25

Chloroform

Concen: 1.759 ug/L m

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tot Ion: 83 Resp: 17234

Ion Ratio Lower Upper

83 100

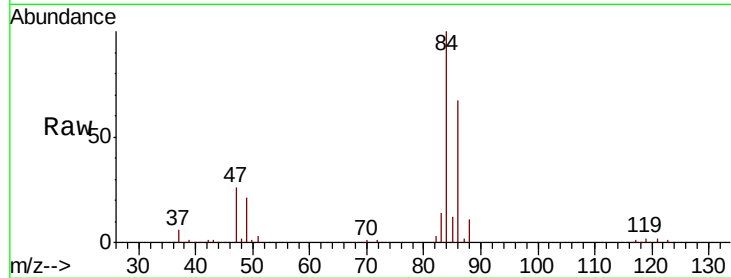
85 78.3 45.6 84.6

Manual Integrations

APPROVED

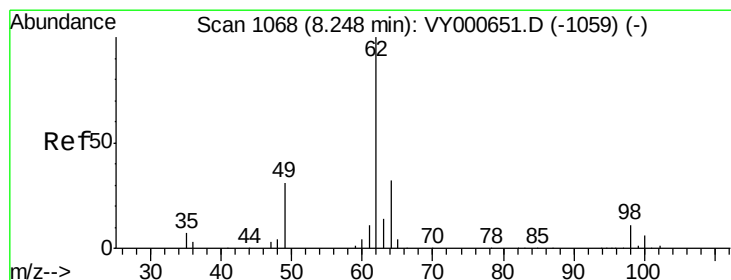
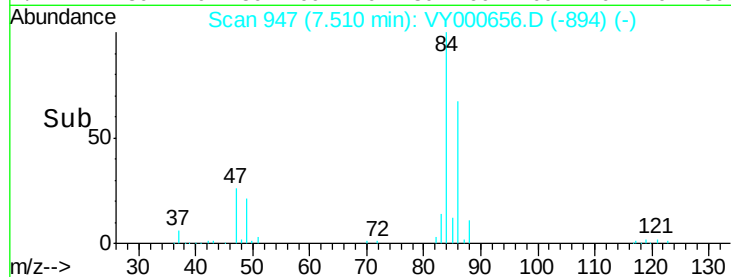
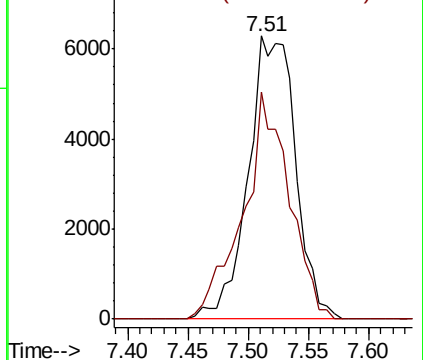
MMDadoda

11/15/2019 3:07:06 PM



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 1.084 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY000656.D

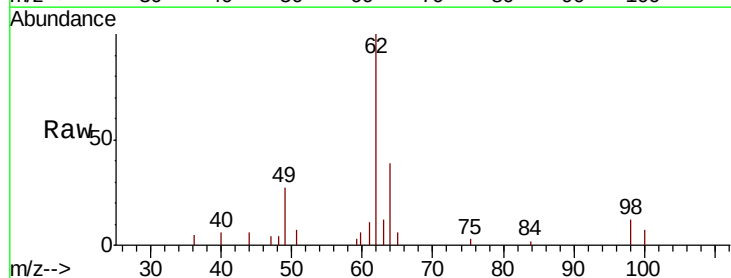
Acq: 12 Nov 2019 15:18

Tgt Ion: 62 Resp: 7099

Ion Ratio Lower Upper

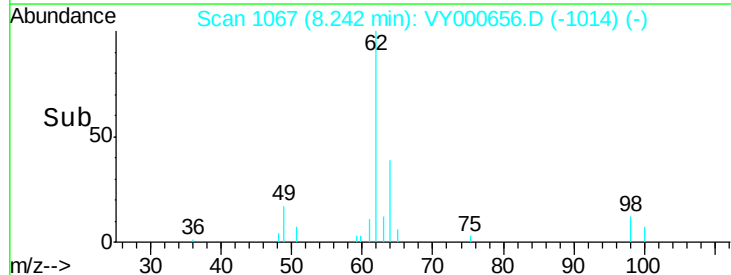
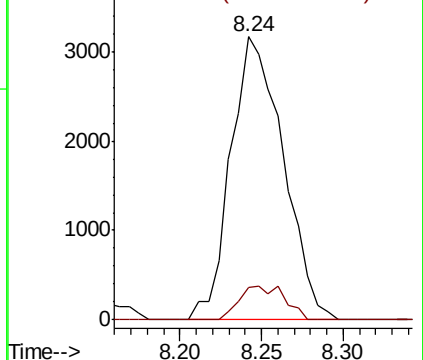
62 100

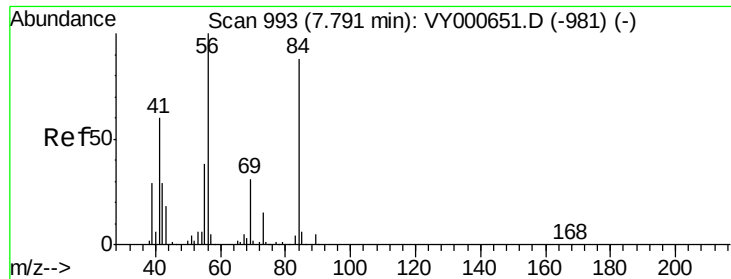
98 11.7 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





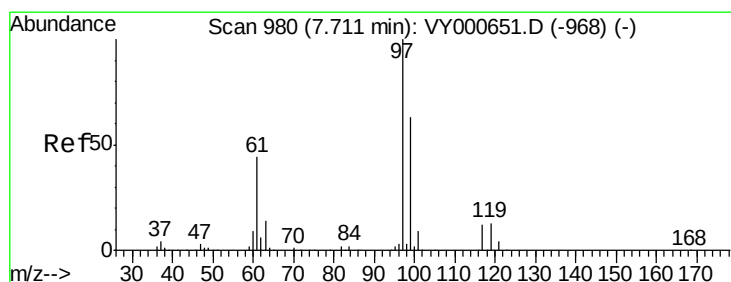
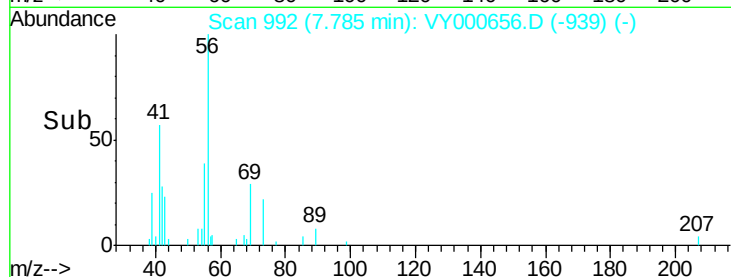
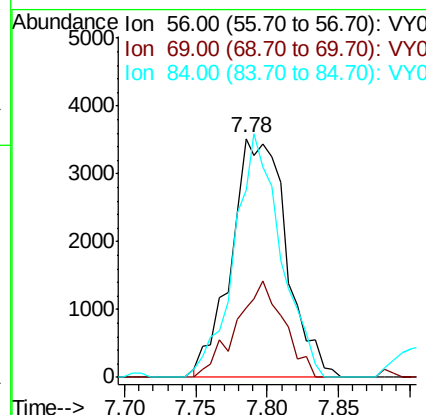
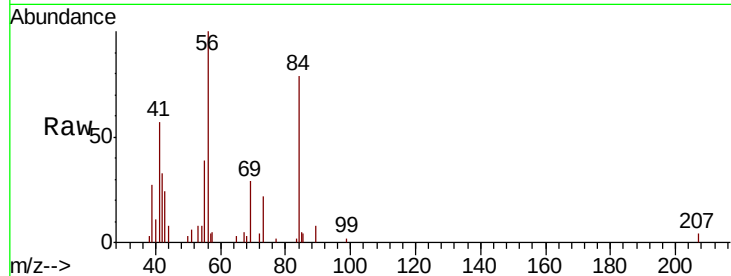
#30
Cyclohexane
Concen: 1.075 ug/L m
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	24.1	36.1
84	86.3	70.2	105.4

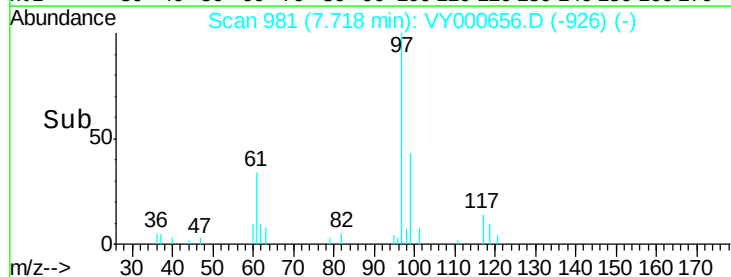
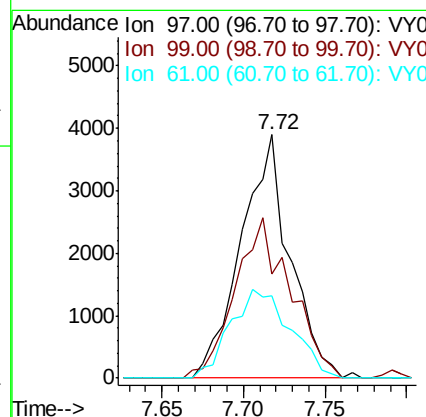
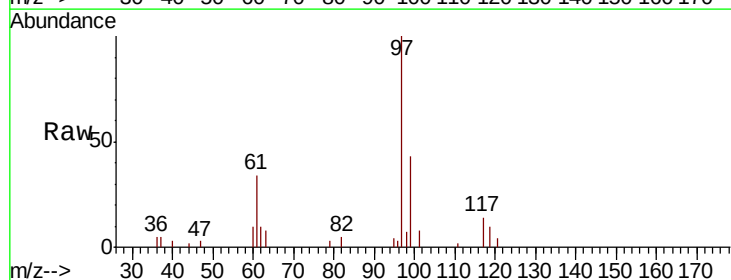
Manual Integrations
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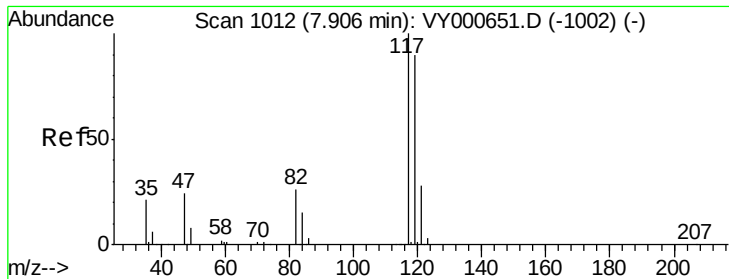
MMDadoda
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#31
1,1,1-Trichloroethane
Concen: 1.023 ug/L
RT: 7.72 min Scan# 981
Delta R.T. 0.01 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	74.4	51.4	77.0
61	44.7	34.7	52.1





#32

Carbon tetrachloride

Concen: 1.072 ug/L m

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampled :

MDL04

Tot Ion:117 Resp: 7449

Ion Ratio Lower Upper

117 100

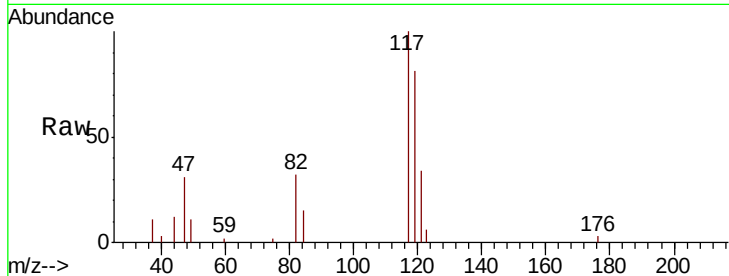
119 91.1 76.2 114.2

Manual Integrations

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

3000

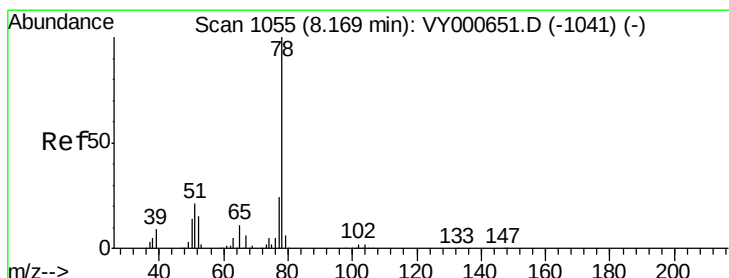
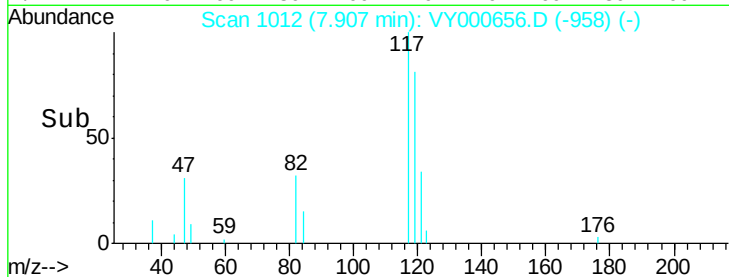
2000

1000

0

7.80 7.90 8.00

Time-->



#34

Benzene

Concen: 1.118 ug/L

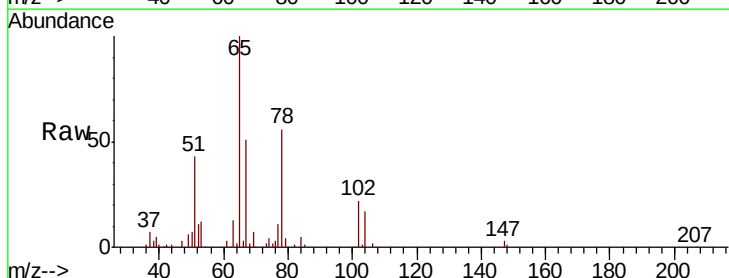
RT: 8.17 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Tgt Ion: 78 Resp: 23648



Abundance Ion 78.00 (77.70 to 78.70): VY0

12000

10000

8000

6000

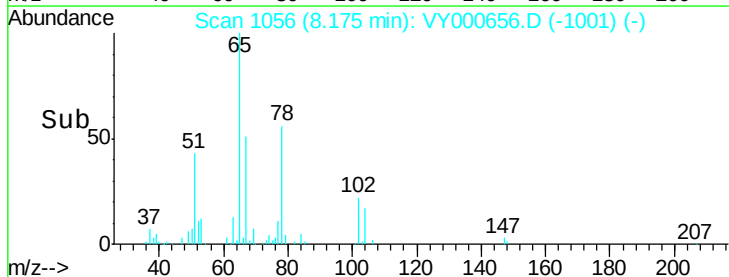
4000

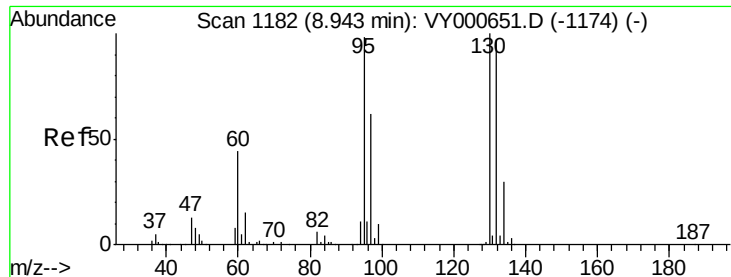
2000

0

8.10 8.15 8.20 8.25

Time-->





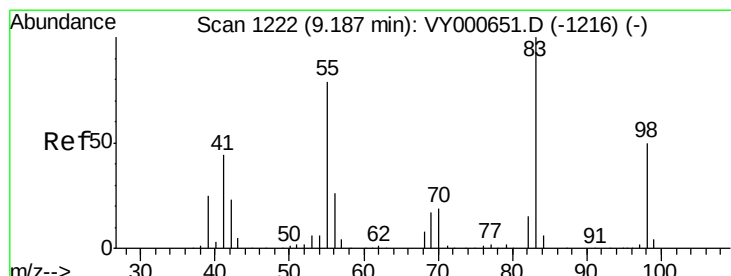
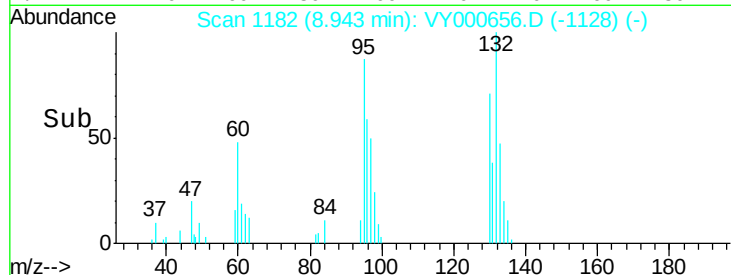
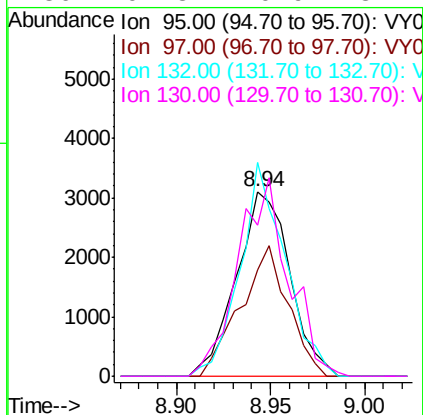
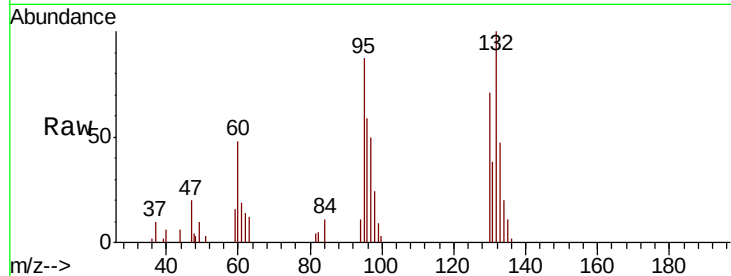
#35
 Trichloroethene
 Concen: 1.101 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Tot Ion:	95	Resp:	6108
Ion	Ratio	Lower	Upper
95	100		
97	63.2	44.4	82.4
132	97.9	66.8	124.0
130	102.3	70.9	131.7

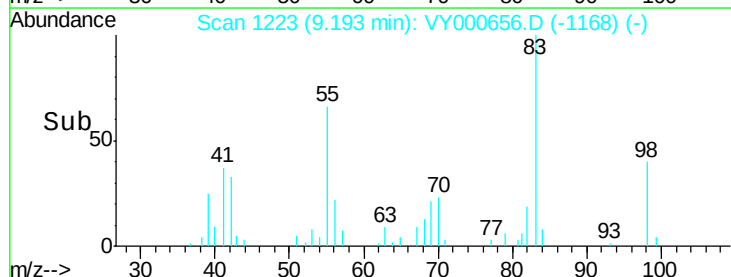
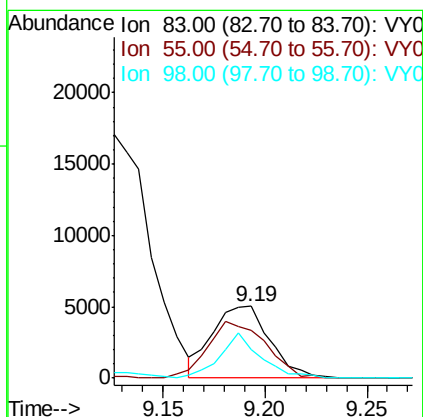
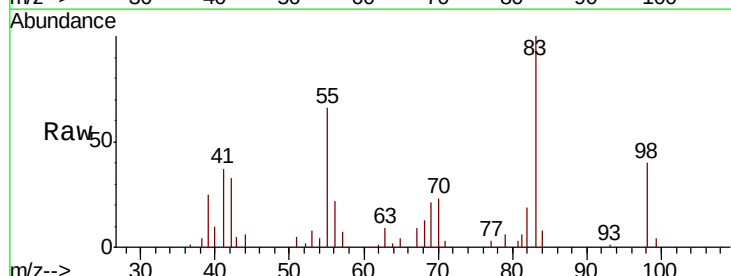
Manual Integrations
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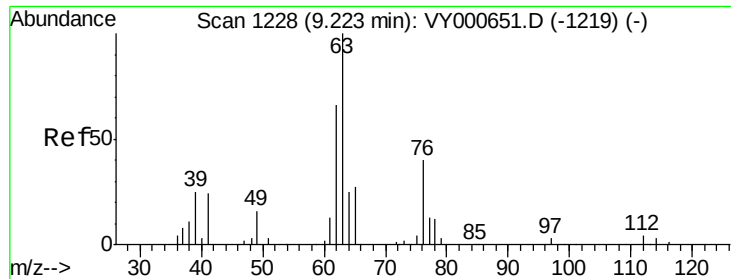
MMDadoda
 11/15/2019 3:07:06 PM



#36
 Methylcyclohexane
 Concen: 1.037 ug/L
 RT: 9.19 min Scan# 1223
 Delta R.T. 0.01 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Tgt Ion:	83	Resp:	9846
Ion	Ratio	Lower	Upper
83	100		
55	80.2	60.0	90.0
98	39.8	40.2	60.2#





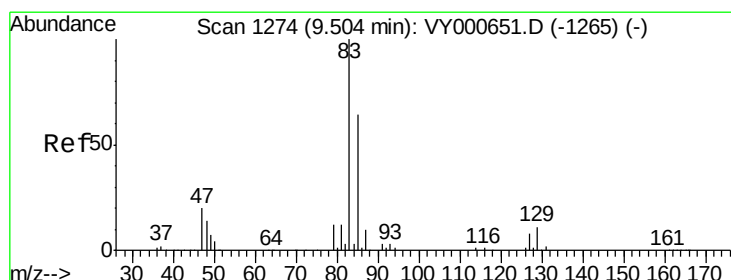
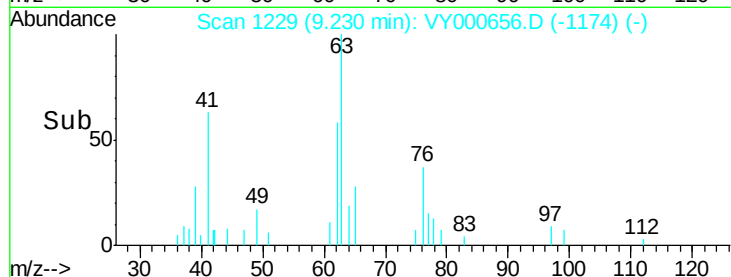
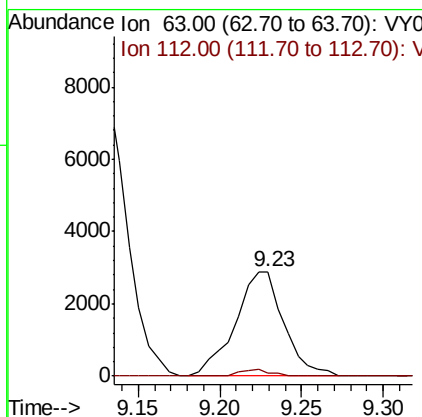
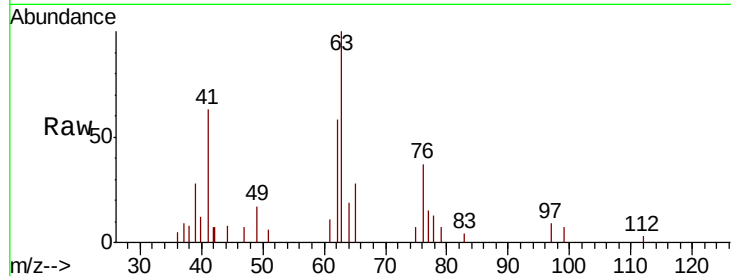
#40
1,2-Dichloropropane
Concen: 1.122 ug/L
RT: 9.23 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_Y
ClientSampled :
MDL04

Tot Ion: 63 Resp: 6012
Ion Ratio Lower Upper
63 100
112 3.9 3.2 4.8

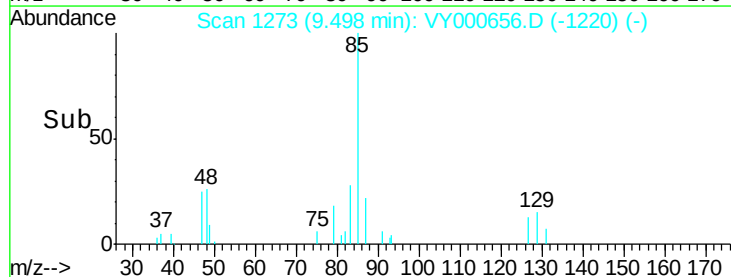
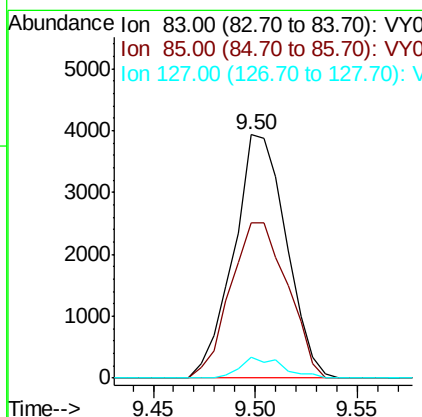
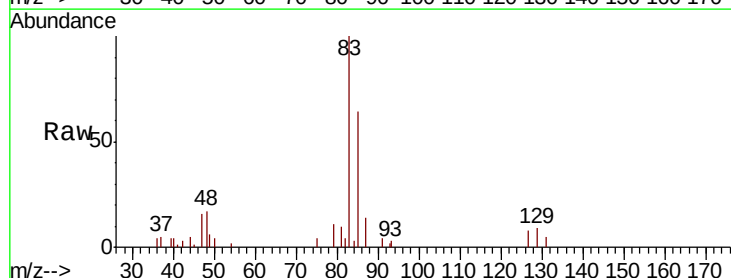
Manual Integrations
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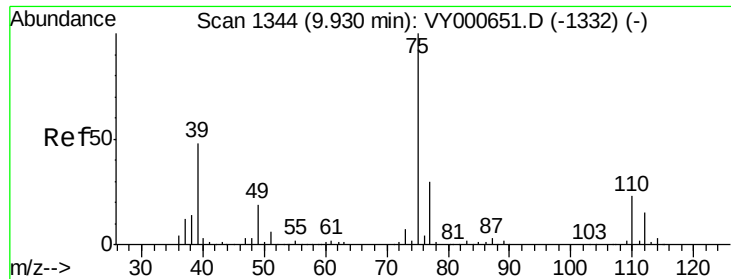
MMDadoda
11/15/2019 3:07:06 PM



#41
Bromodichloromethane
Concen: 1.024 ug/L
RT: 9.50 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Tgt Ion: 83 Resp: 7061
Ion Ratio Lower Upper
83 100
85 63.9 46.1 85.5
127 8.3 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 0.989 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampled :

MDL04

Tot Ion: 75 Resp: 8540

Ion Ratio Lower Upper

75 100

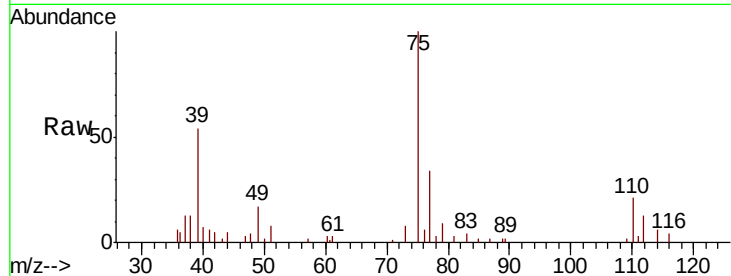
77 34.0 21.7 40.3

Manual Integrations

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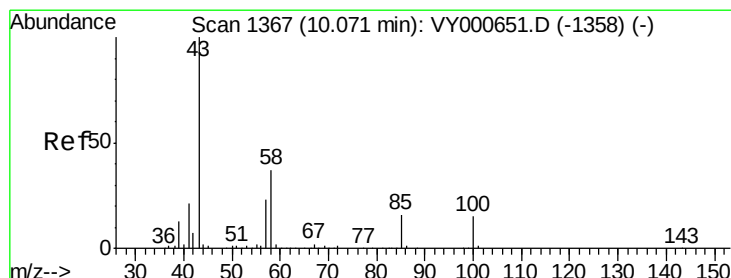
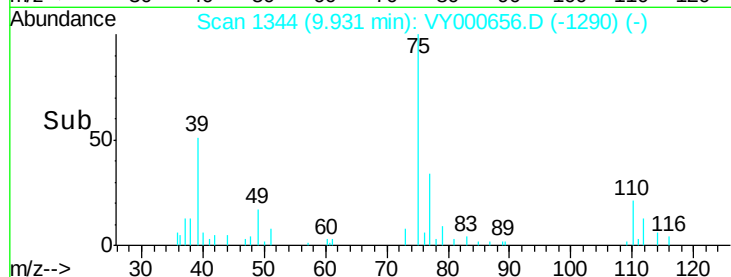
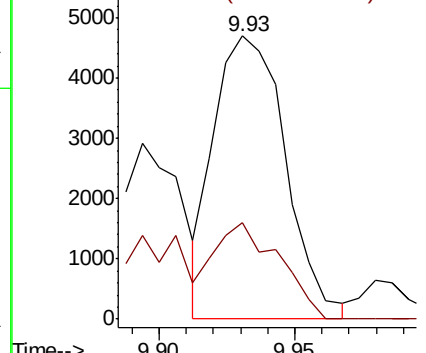
MMDadoda

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Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#43

4-Methyl-2-pentanone

Concen: 2.067 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

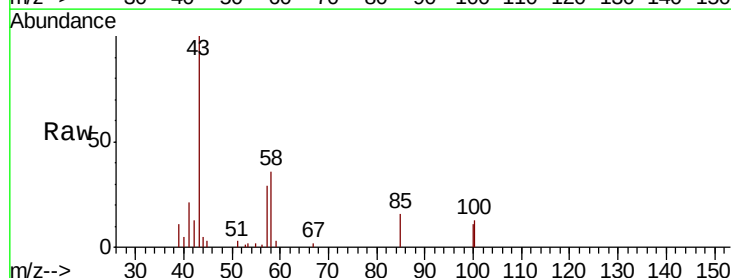
Tgt Ion: 43 Resp: 10596

Ion Ratio Lower Upper

43 100

58 41.9 30.6 45.8

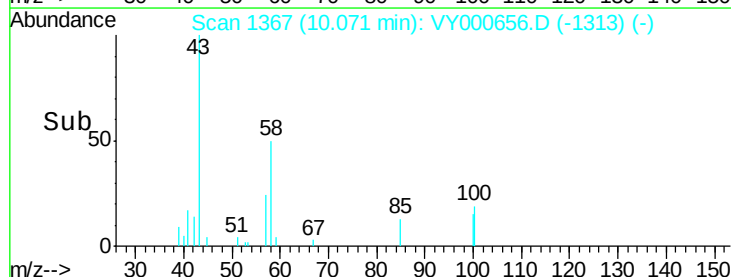
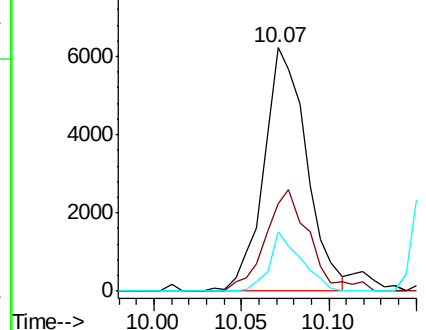
100 18.1 12.0 18.0#

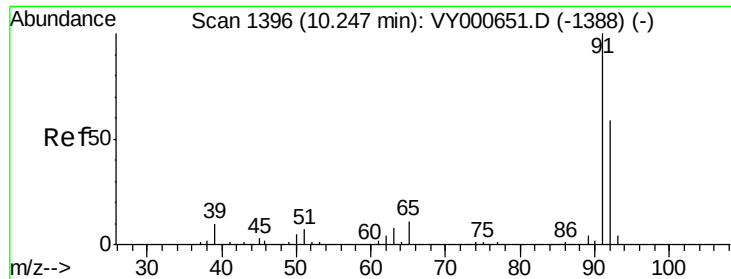


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#44

Toluene

Concen: 1.086 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 24835

Ion Ratio Lower Upper

91 100

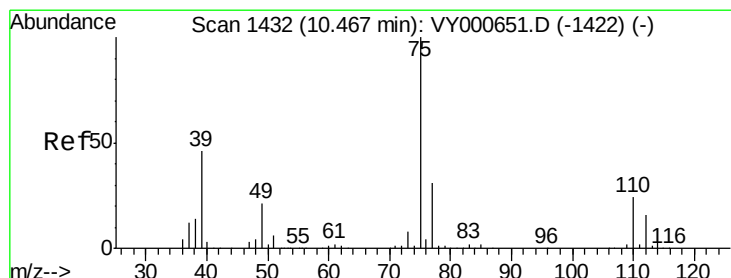
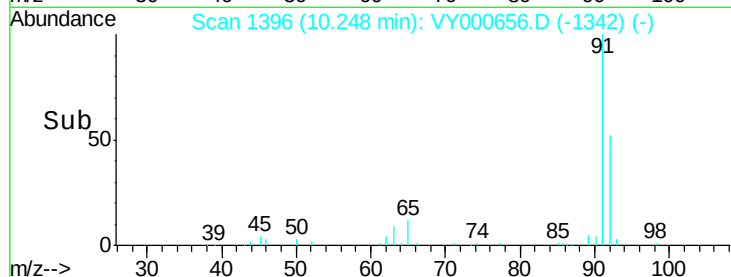
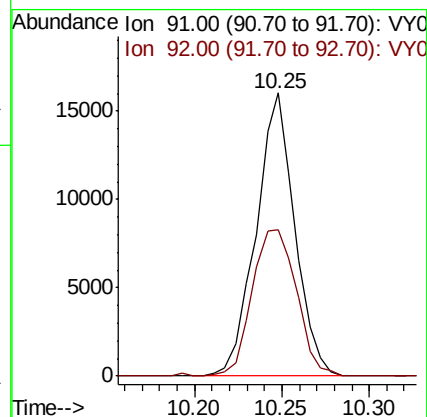
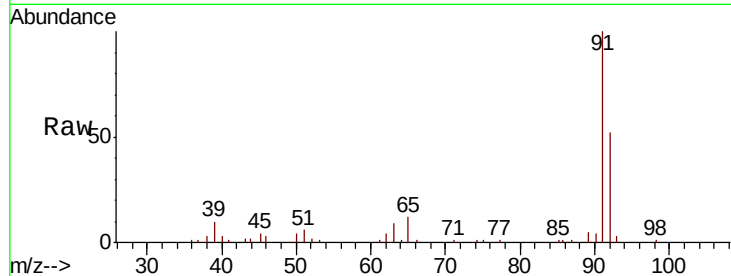
92 51.7 39.5 73.4

Manual Integrations

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#45

trans-1,3-Dichloropropene

Concen: 0.819 ug/L m

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000656.D

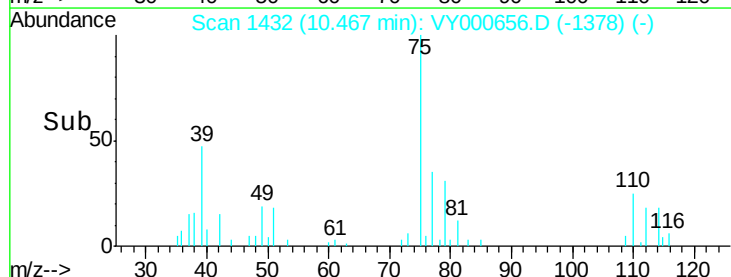
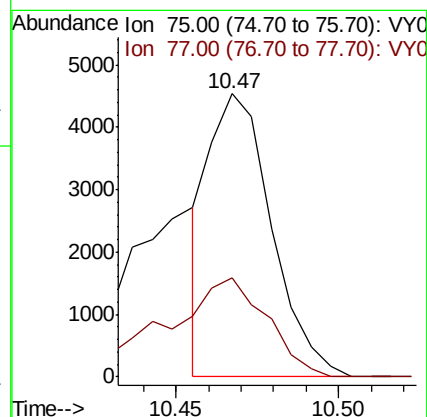
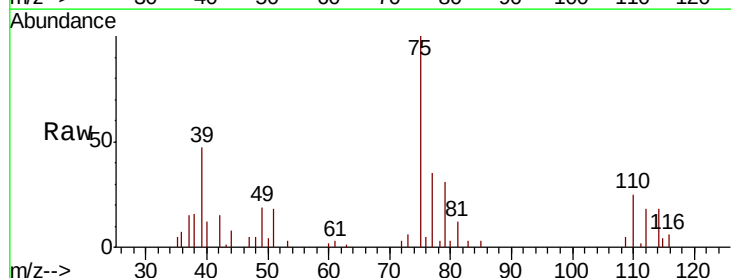
Acq: 12 Nov 2019 15:18

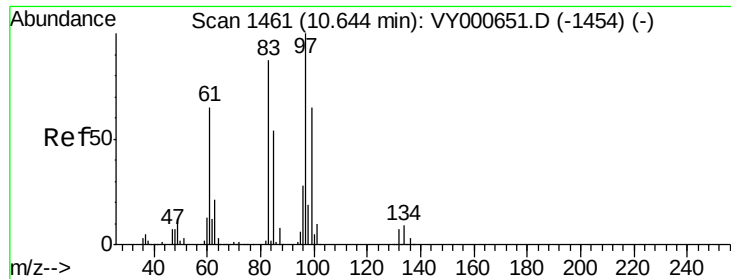
Tgt Ion: 75 Resp: 6074

Ion Ratio Lower Upper

75 100

77 35.1 20.4 37.8





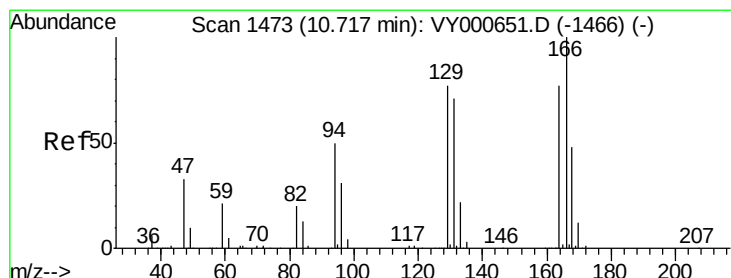
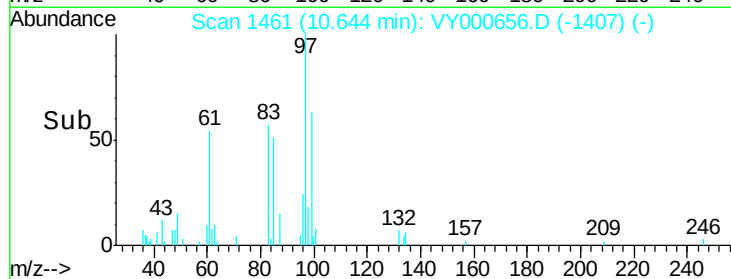
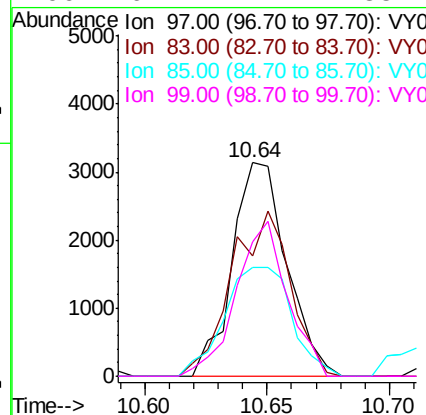
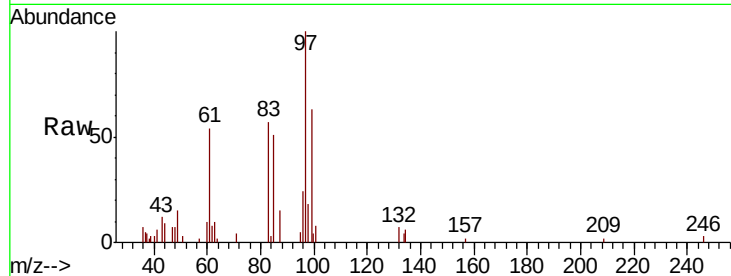
#46
1,1,2-Trichloroethane
Concen: 1.110 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_Y
ClientSampleID :
MDL04

Tot Ion	Ratio	Lower	Upper
97	100		
83	56.6	58.7	109.1#
85	51.2	37.3	69.3
99	62.7	44.7	83.1

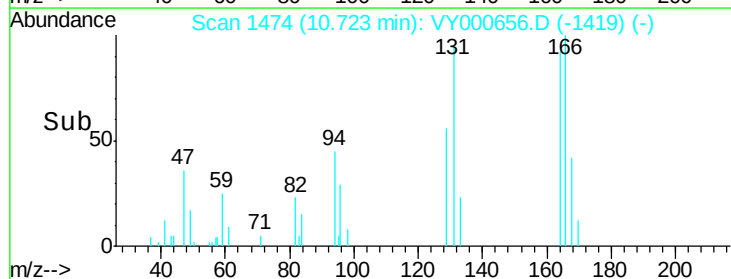
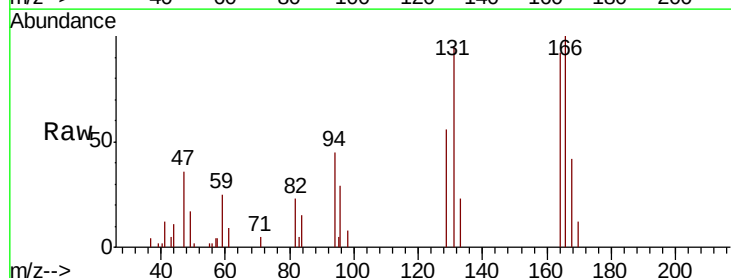
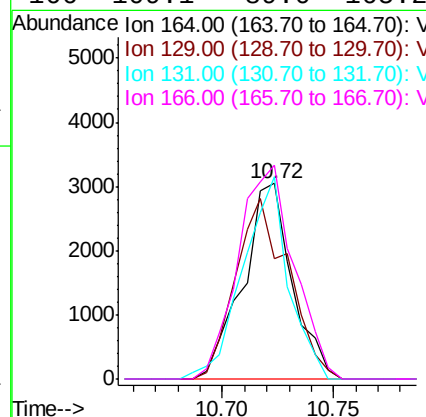
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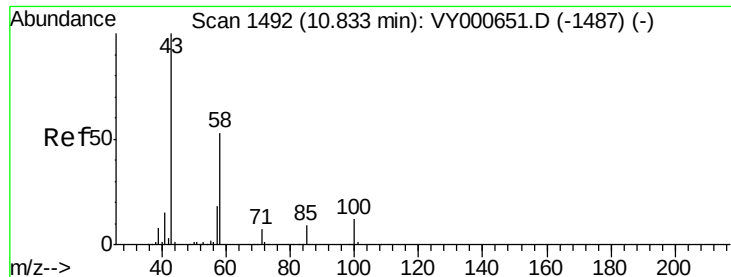
MMDadoda
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#47
Tetrachloroethene
Concen: 1.137 ug/L
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
164	100		
129	61.2	69.6	129.2#
131	103.5	66.8	124.2
166	109.1	89.0	165.2





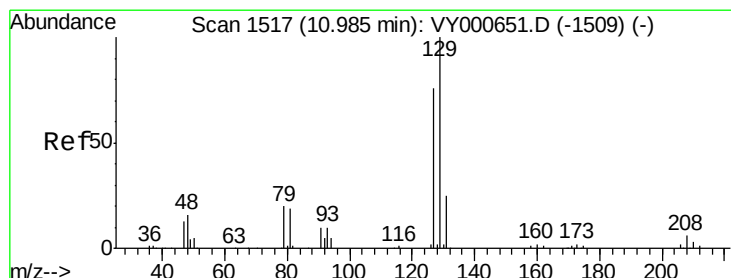
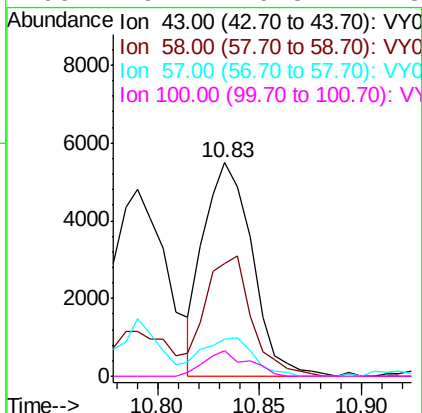
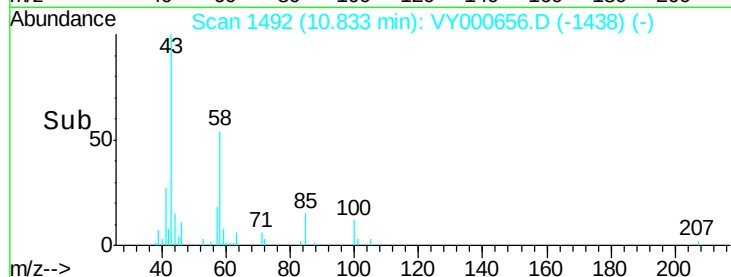
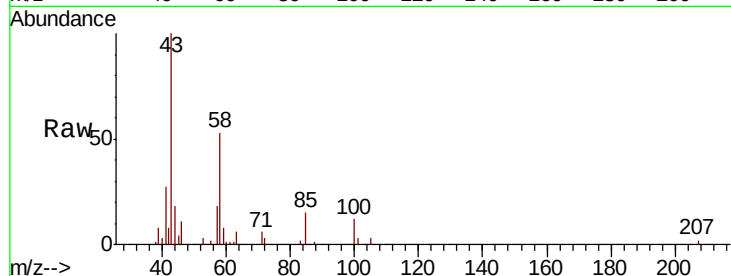
#49
2-Hexanone
Concen: 2.269 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	55.1	44.1	66.1	
57	19.9	13.9	20.9	
100	10.7	9.5	14.3	

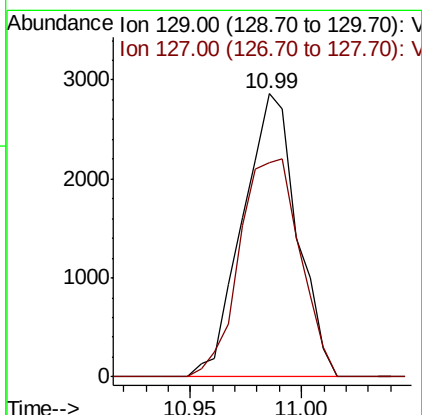
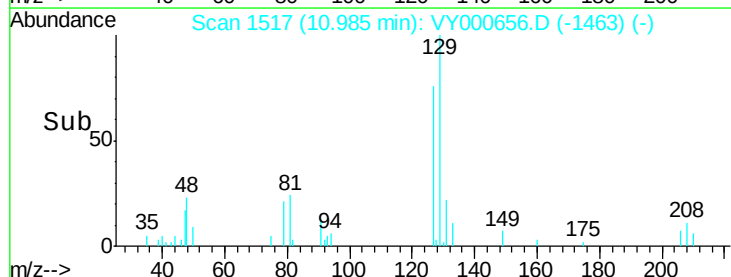
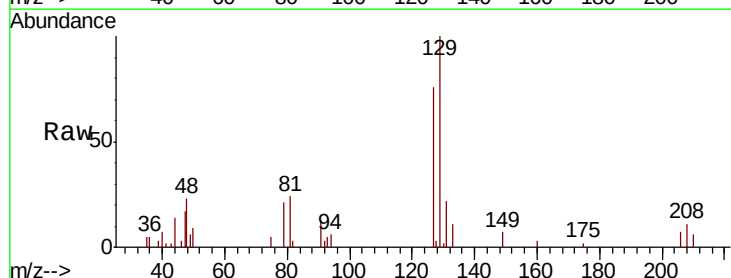
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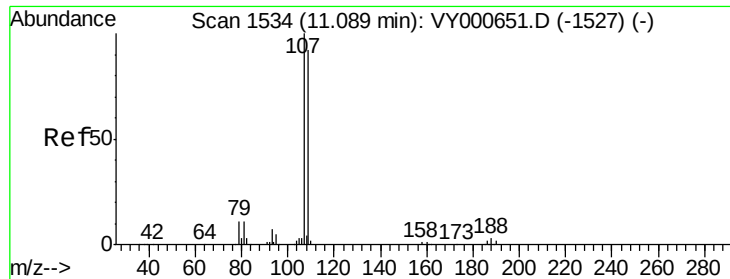
MMDadoda
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#50
Dibromochloromethane
Concen: 0.982 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.5	57.9	107.5	





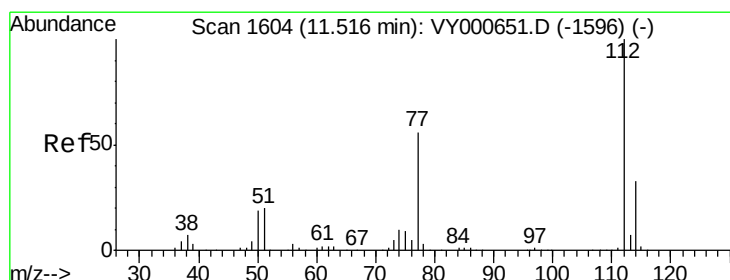
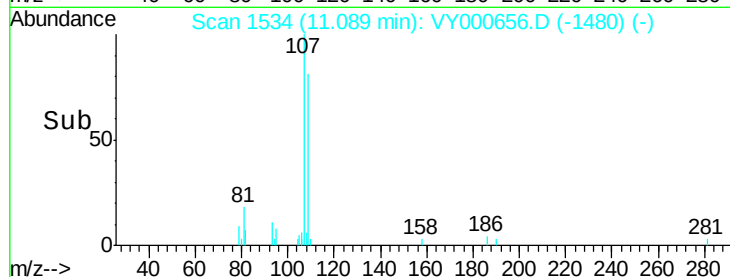
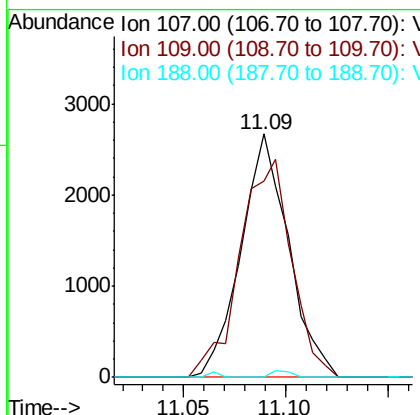
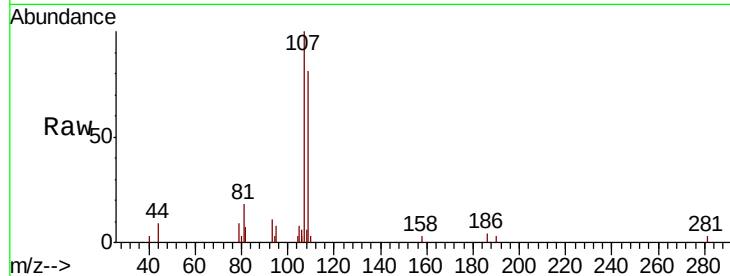
#51
1,2-Dibromoethane
Concen: 1.015 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
107	100		
109	80.8	65.5	121.6
188	0.0	2.7	4.1#

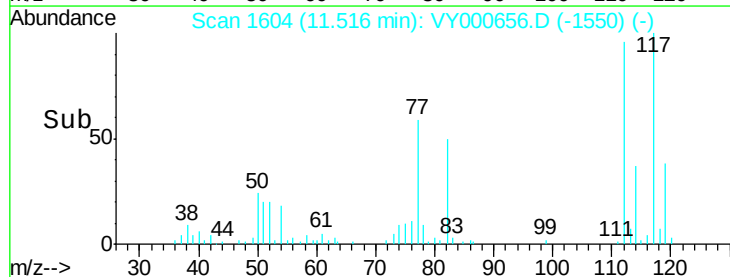
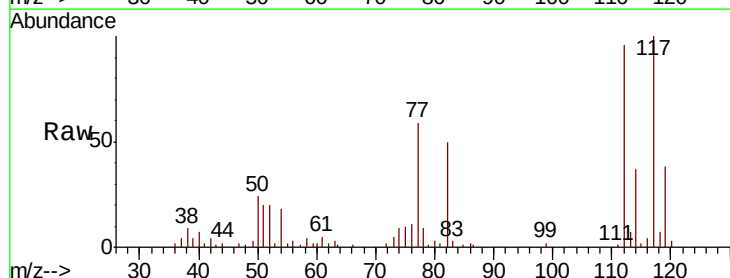
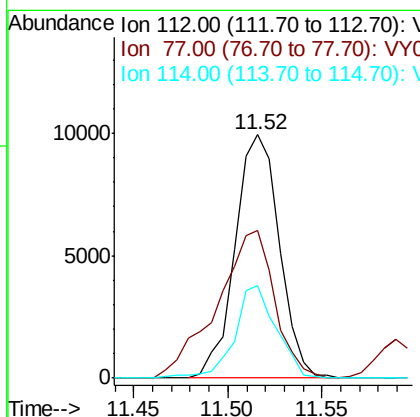
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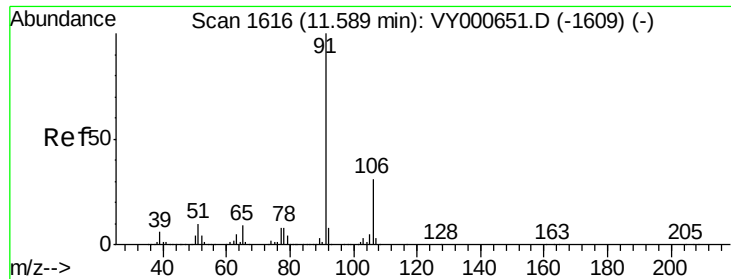
MMDadoda
11/15/2019 3:07:06 PM



#52
Chlorobenzene
Concen: 1.117 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.9	47.4	71.0
114	38.2	23.0	42.6





#53

Ethylbenzene

Concen: 1.043 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 26969

Ion Ratio Lower Upper

91 100

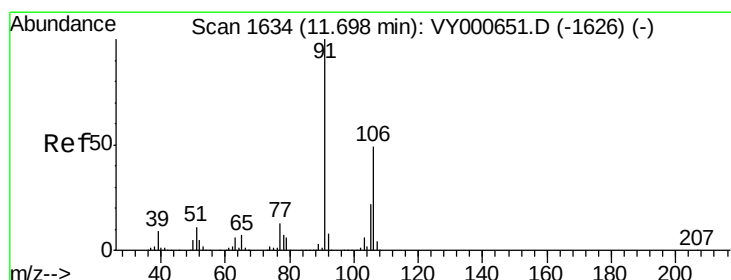
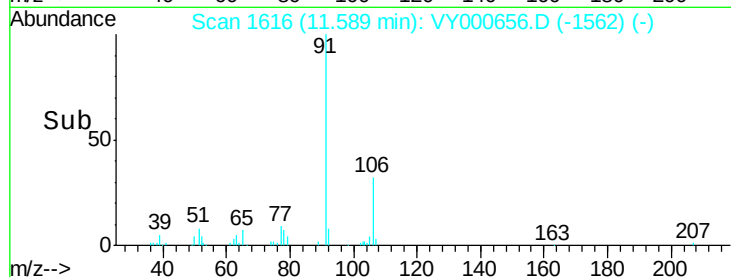
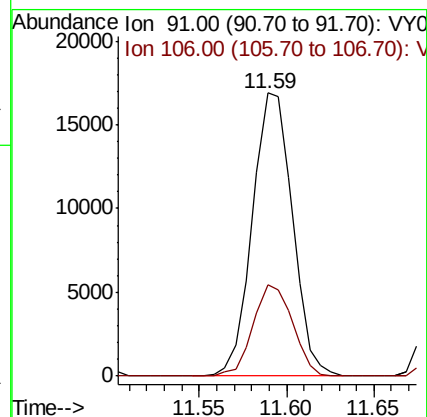
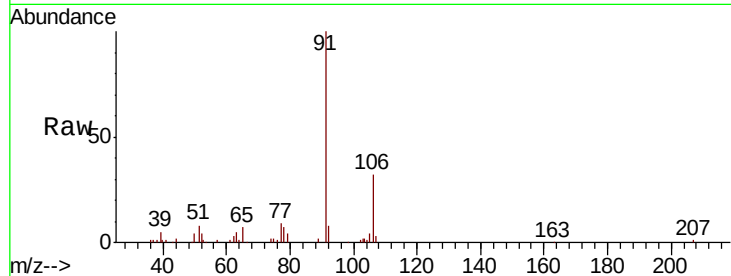
106 32.1 20.9 38.7

Manual Integrations

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#54

m,p-Xylene

Concen: 1.053 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000656.D

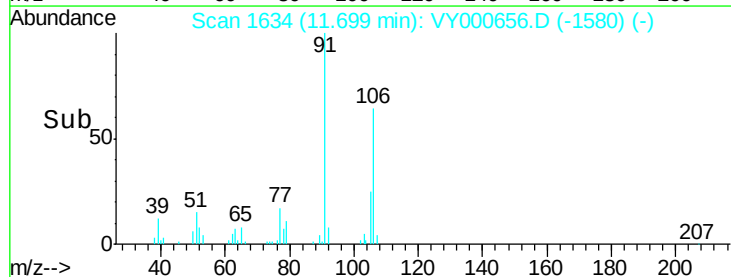
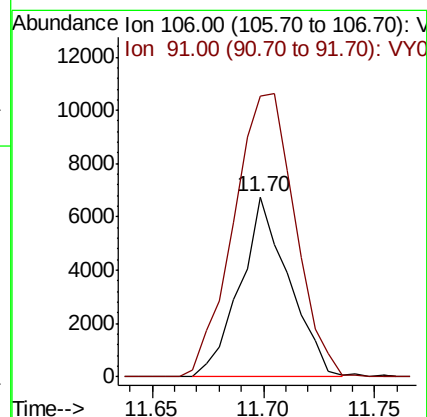
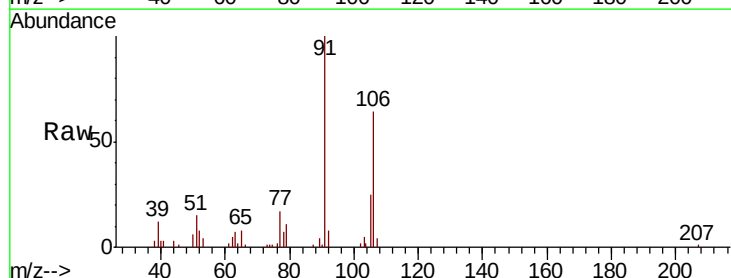
Acq: 12 Nov 2019 15:18

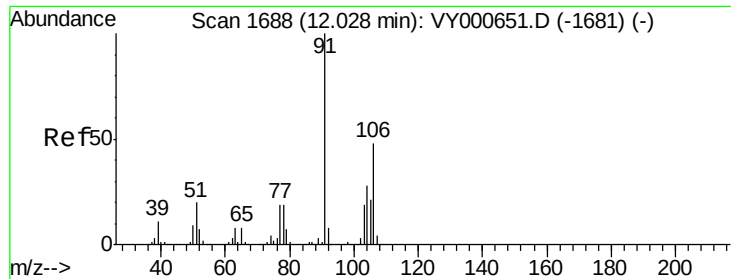
Tgt Ion: 106 Resp: 10305

Ion Ratio Lower Upper

106 100

91 156.0 137.4 255.2





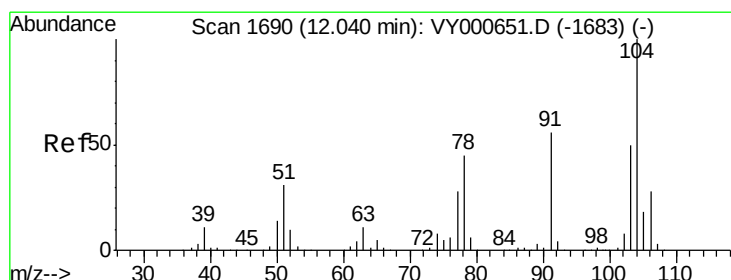
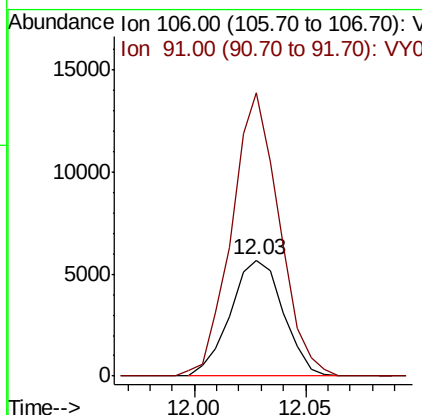
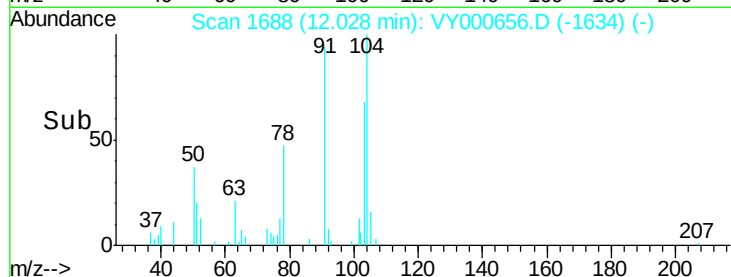
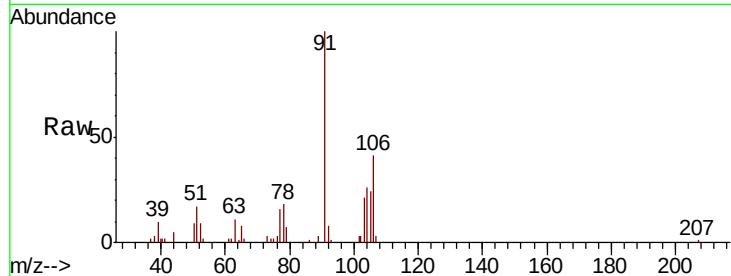
#55
o-xylene
Concen: 0.977 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Tot Ion:106 Resp: 9387
Ion Ratio Lower Upper
106 100
91 243.7 147.8 274.6

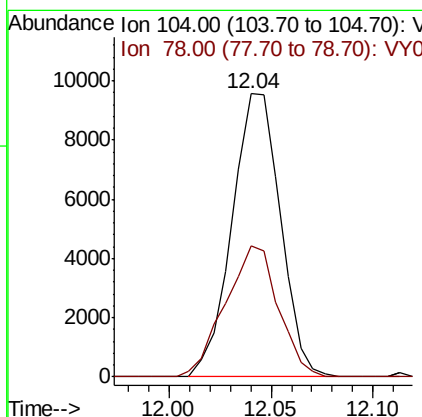
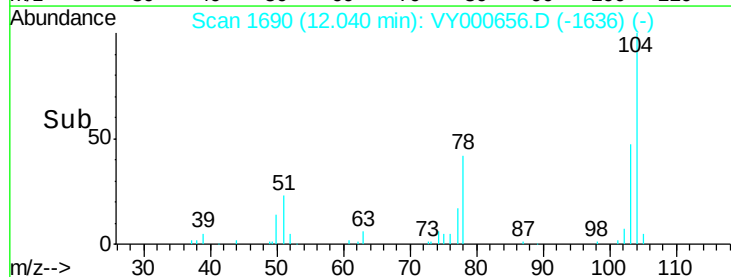
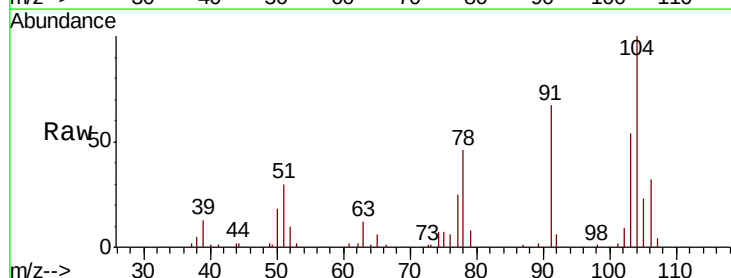
Manual Integrations
APPROVED

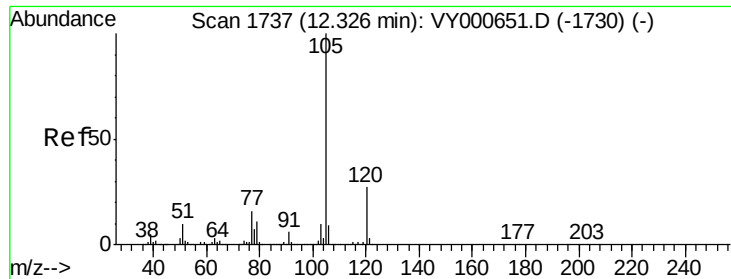
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#56
Styrene
Concen: 0.992 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Tgt Ion:104 Resp: 15832
Ion Ratio Lower Upper
104 100
78 46.3 31.5 58.5





#57

Isopropylbenzene

Concen: 1.039 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

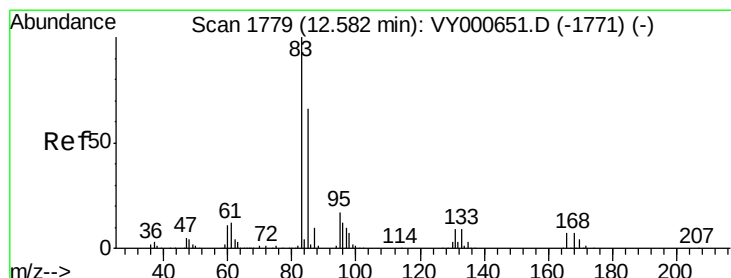
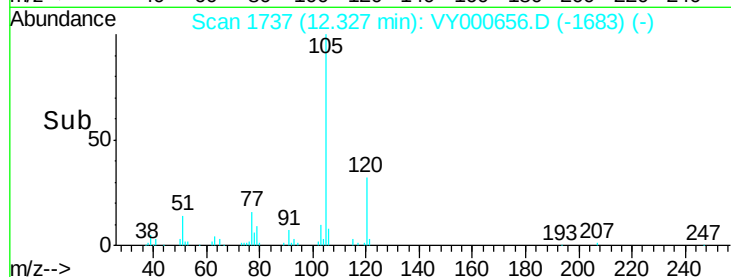
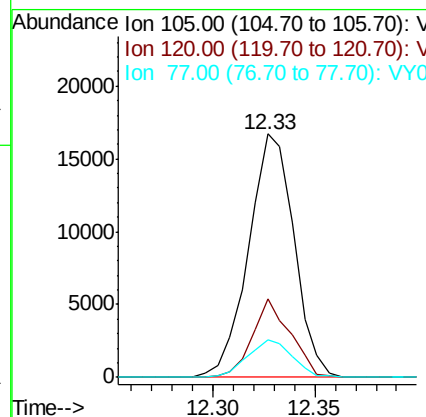
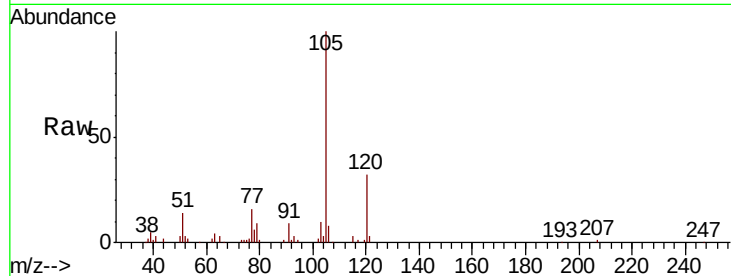
ClientSampleId :

MDL04

Tot Ion:	105	Resp:	25960
Ion Ratio	Lower	Upper	
105	100		
120	26.8	21.5	32.3
77	15.2	12.6	19.0

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 1.159 ug/L

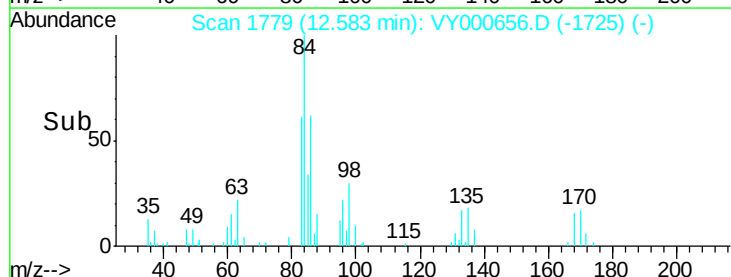
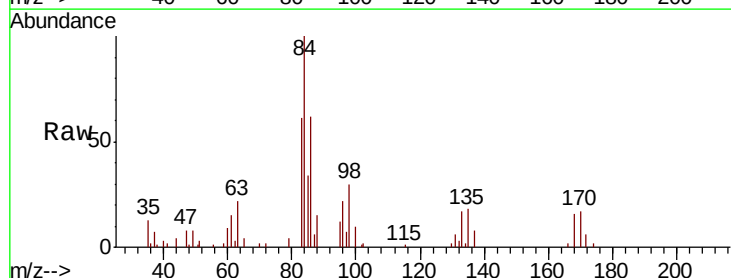
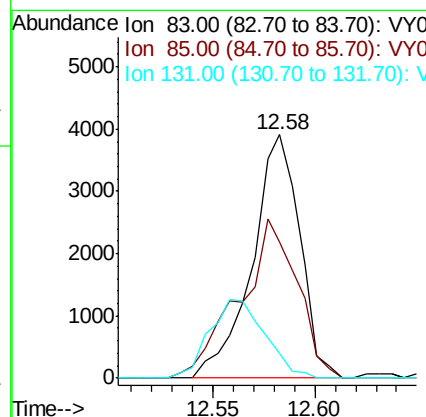
RT: 12.58 min Scan# 1779

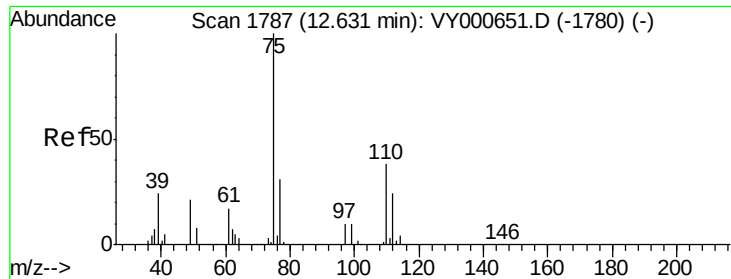
Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Tgt Ion:	83	Resp:	6357
Ion Ratio	Lower	Upper	
83	100		
85	55.8	45.0	83.6
131	10.0	7.8	11.6





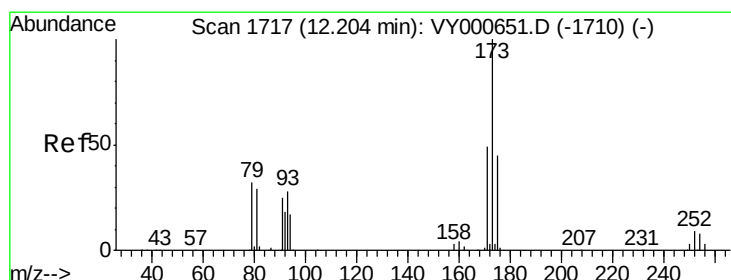
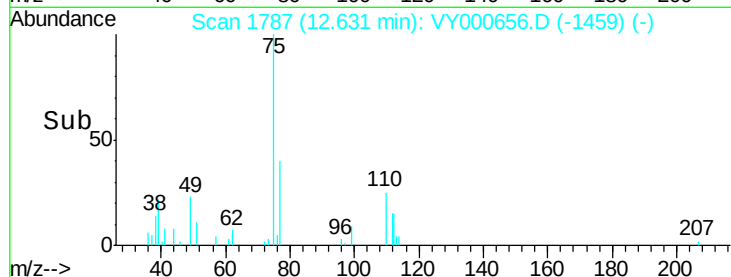
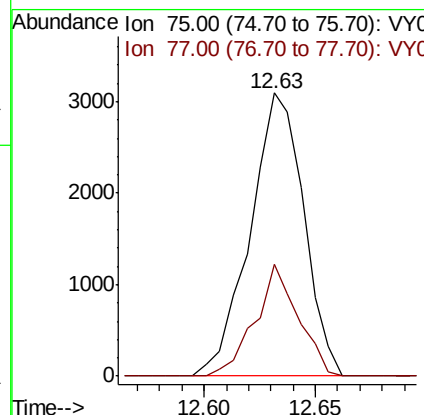
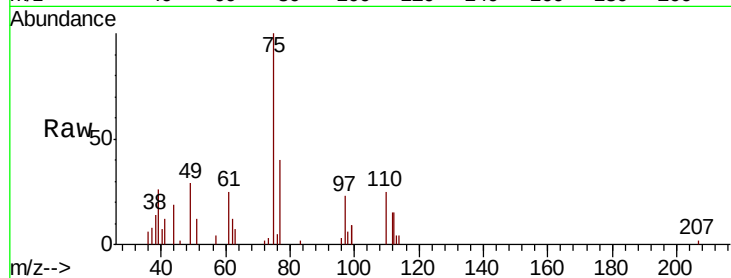
#59
 1,2,3-Trichloropropane
 Concen: 1.161 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Tot Ion: 75 Resp: 5177
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.4 39.6

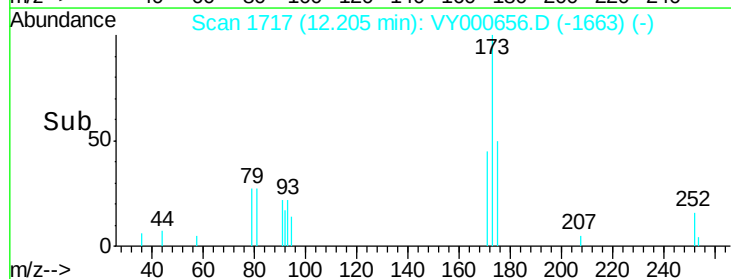
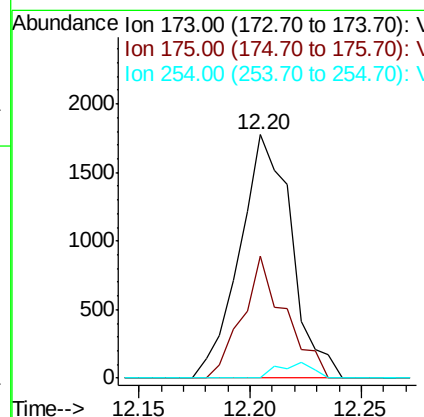
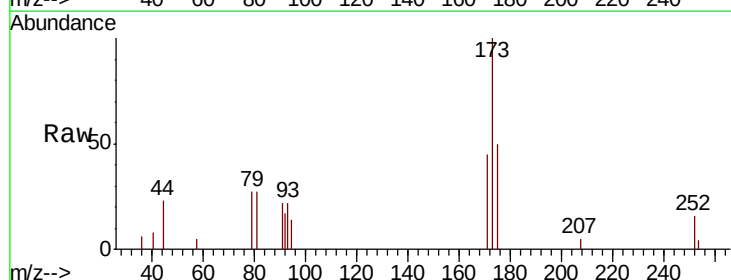
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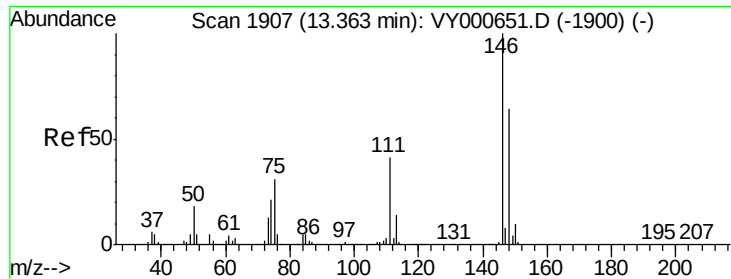
MMDadoda
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#62
 Bromoform
 Concen: 0.978 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Tgt Ion: 173 Resp: 2886
 Ion Ratio Lower Upper
 173 100
 175 41.4 37.8 56.6
 254 4.2 7.7 11.5#





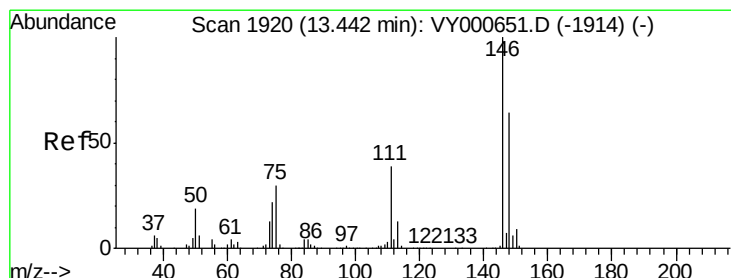
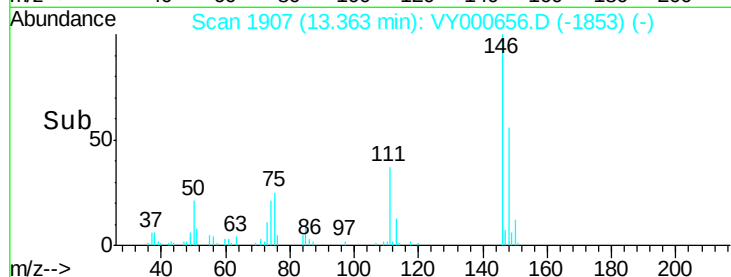
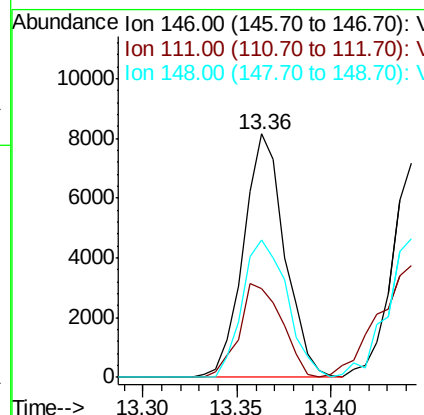
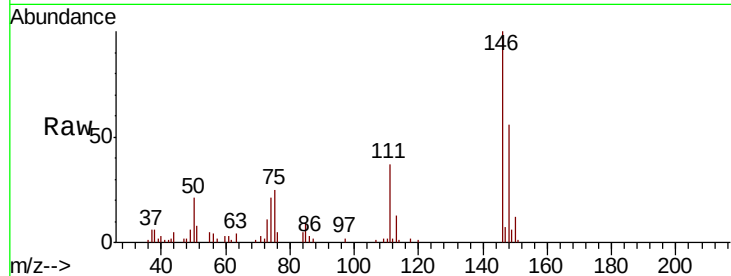
#63
1,3-Dichlorobenzene
Concen: 1.121 ug/L
RT: 13.36 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_Y
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	28.8	53.6
148	56.3	44.3	82.3

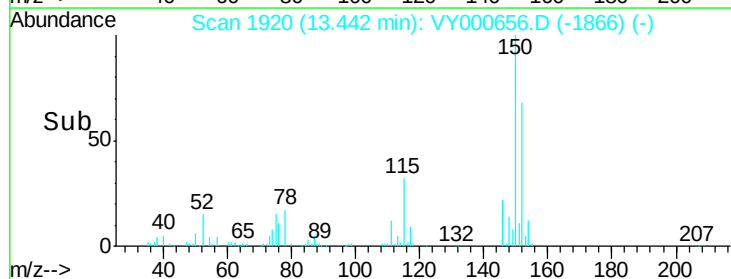
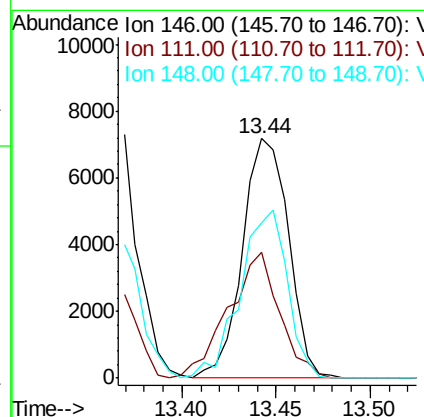
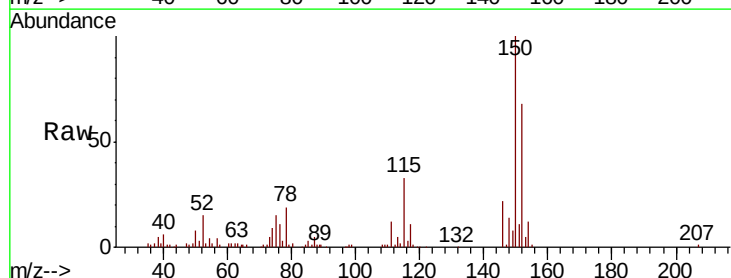
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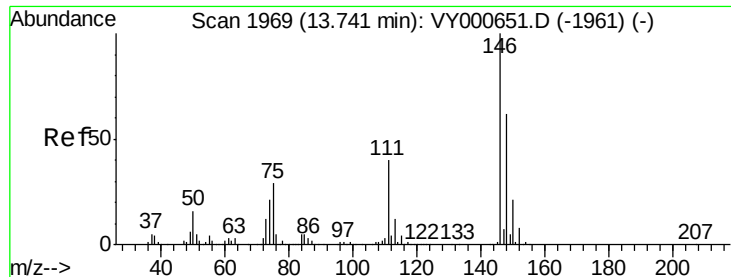
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#64
1,4-Dichlorobenzene
Concen: 1.098 ug/L
RT: 13.44 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.4	26.7	49.5#
148	64.8	45.2	84.0





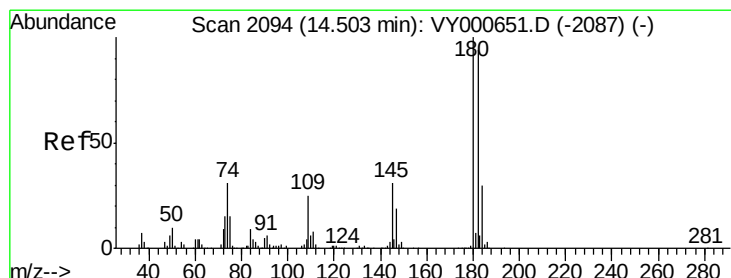
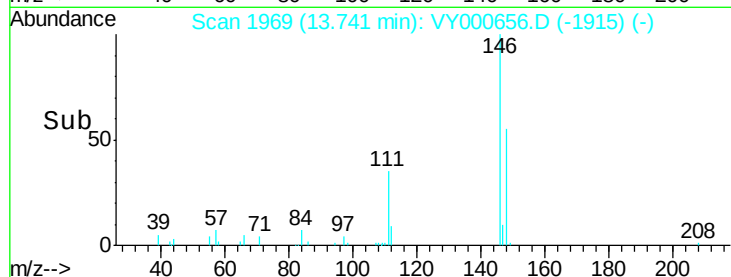
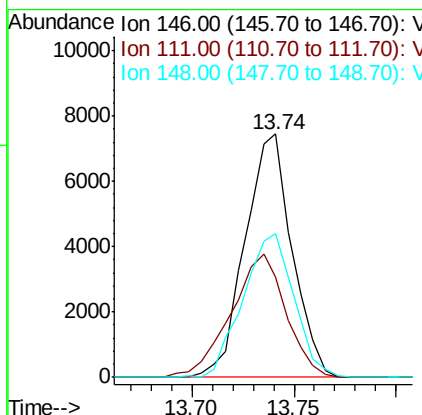
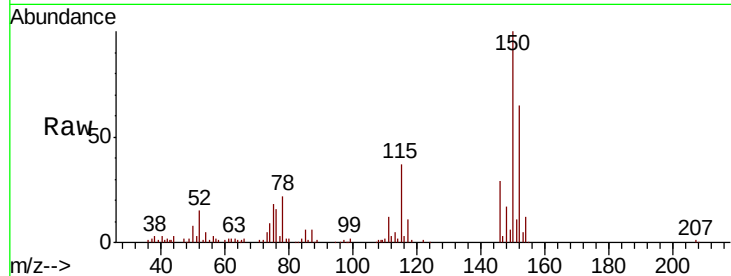
#65
 1,2-Dichlorobenzene
 Concen: 1.163 ug/L
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Instrument :
 MSVOA_Y
 ClientSampleID :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	33.8	50.8
148	58.9	51.0	76.6

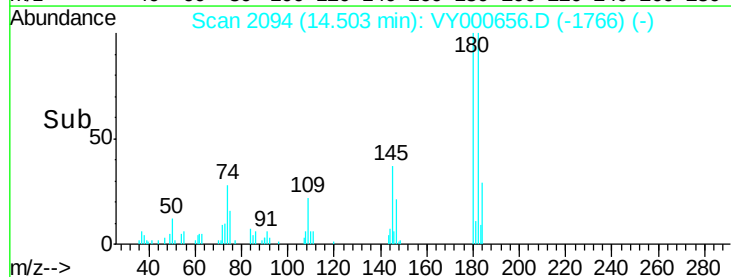
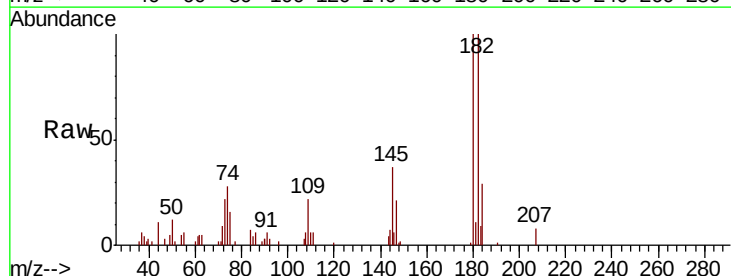
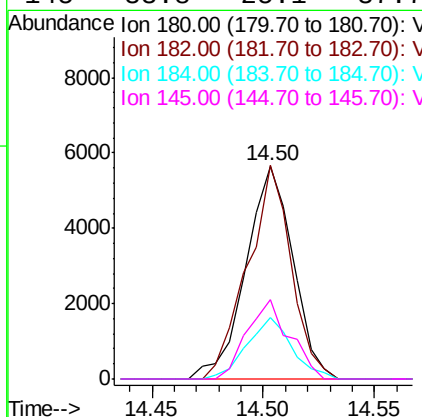
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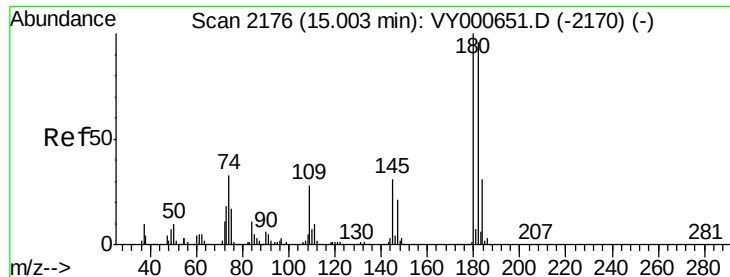
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#67
 1,3,5-Trichlorobenzene
 Concen: 1.076 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.6	113.4
184	27.7	24.5	36.7
145	33.8	25.1	37.7





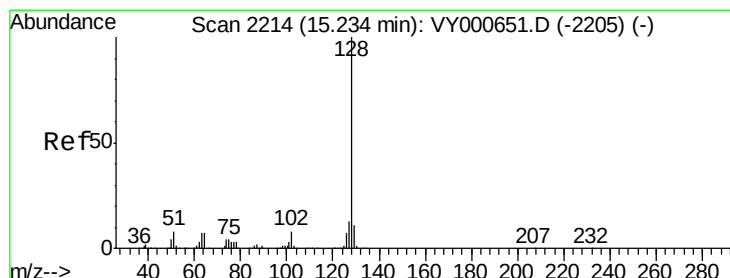
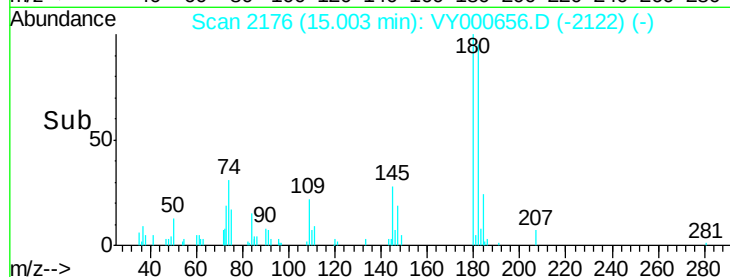
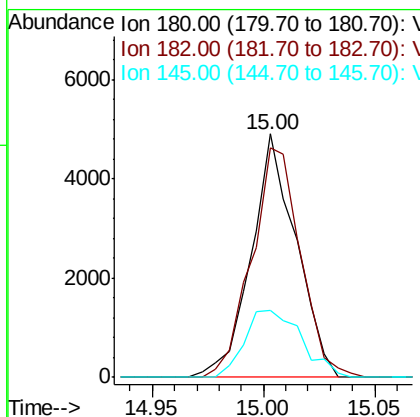
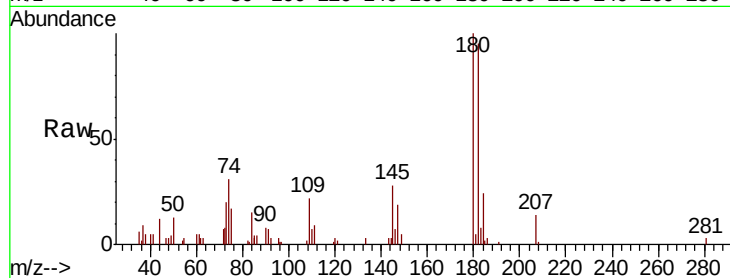
#68
 1,2,4-trichlorobenzene
 Concen: 0.996 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.5	77.5	116.3
145	35.0	25.4	38.2

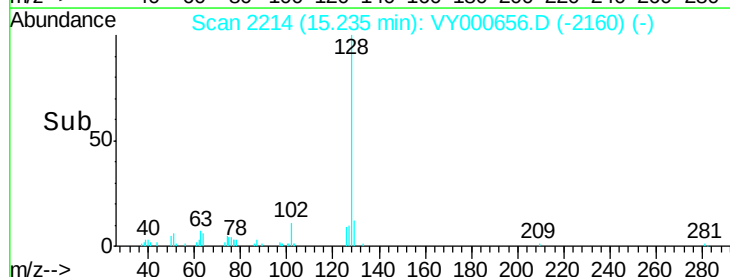
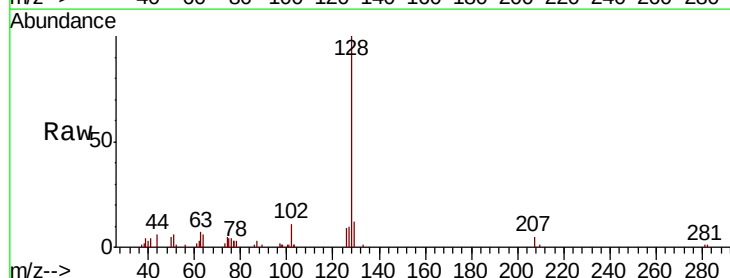
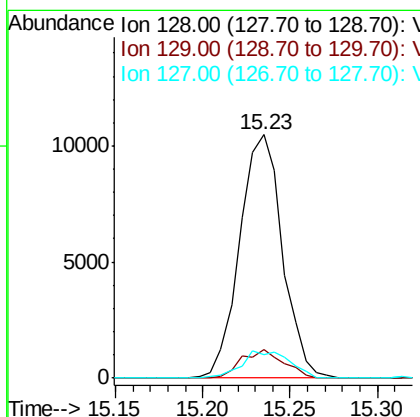
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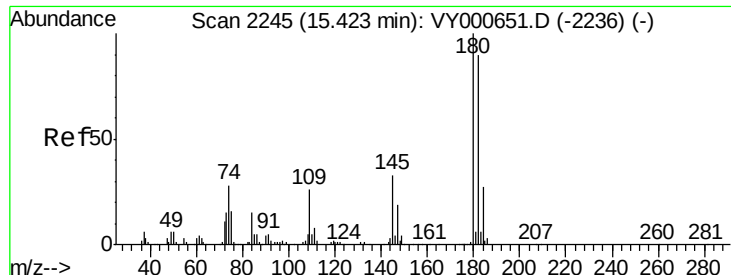
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#69
 Naphthalene
 Concen: 1.036 ug/L
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.4	12.6
127	12.4	9.8	14.6





#70
 1,2,3-Trichlorobenzene
 Concen: 1.138 ug/L
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	76.2	114.4
145	36.1	26.6	39.8

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