

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111319\
 Data File : VY000668.D
 Acq On : 13 Nov 2019 13:21
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 11:59:23 AM

Quant Time: Nov 14 08:37:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 16:30:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	333474	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	297960	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	140480	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	110943	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.24%
7) Chloroethane-d5	2.77	69	100372	23.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.96%
10) 1,1-Dichloroethene-d2	3.86	63	152391	17.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.08%
20) 2-Butanone-d5	6.91	46	93046	47.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.76%
24) Chloroform-d	7.49	84	203821	23.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	8.16	65	123435	24.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.32%
29) Benzene-d6	8.12	84	431197	24.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.68%
33) 1,2-Dichloropropane-d6	9.13	67	135381	24.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.84%
37) Toluene-d8	10.18	98	389811	24.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.48%
38) trans-1,3-Dichloropropene-	10.44	79	63565	25.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.48%
39) 2-Hexanone-d5	10.79	63	72817	49.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.36%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	124131	23.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.12%
61) 1,2-Dichlorobenzene-d4	13.72	152	138425	24.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	3042	0.690 ug/L #	79
3) Chloromethane	2.12	50	3711	0.672 ug/L	92
5) Vinyl chloride	2.26	62	3011	0.546 ug/L #	67
6) Bromomethane	2.66	94	2132m	0.708 ug/L	
8) Chloroethane	2.80	64	2161m	0.625 ug/L	
9) Trichlorofluoromethane	3.14	101	4963	0.636 ug/L	93
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	3015	0.681 ug/L #	65
12) 1,1-Dichloroethene	3.87	96	3561	0.824 ug/L #	1
13) Acetone	3.98	43	2910m	2.047 ug/L	
14) Carbon disulfide	4.21	76	6922	0.519 ug/L #	91
15) Methyl Acetate	4.49	43	2009	0.617 ug/L #	82
16) Methylene chloride	4.73	84	11794	2.142 ug/L	85
17) Methyl tert-butyl Ether	5.24	73	7688m	0.584 ug/L	
18) trans-1,2-Dichloroethene	5.22	96	3382m	0.700 ug/L	
19) 1,1-Dichloroethane	6.04	63	4636	0.546 ug/L #	80
21) 2-Butanone	7.00	43	5695m	2.274 ug/L	
22) cis-1,2-Dichloroethene	7.00	96	3025	0.566 ug/L #	83

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

23) Bromochloromethane	7.35	128	1344m	0.576	uq/L	
25) Chloroform	7.52	83	11637	1.271	uq/L #	64
27) 1,2-Dichloroethane	8.24	62	3845m	0.628	uq/L	
30) Cyclohexane	7.79	56	5013	0.617	uq/L	94
31) 1,1,1-Trichloroethane	7.71	97	4382m	0.597	uq/L	
32) Carbon tetrachloride	7.92	117	3373	0.527	uq/L	92
34) Benzene	8.17	78	11569	0.594	uq/L	100
35) Trichloroethene	8.95	95	3129	0.613	uq/L #	73
36) Methylcyclohexane	9.19	83	5492	0.628	uq/L	95
40) 1,2-Dichloropropane	9.24	63	2885m	0.584	uq/L	
41) Bromodichloromethane	9.51	83	3945	0.621	uq/L #	87
42) cis-1,3-Dichloropropene	9.94	75	4952	0.623	uq/L	86
43) 4-Methyl-2-pentanone	10.08	43	6331	1.341	uq/L	95
44) Toluene	10.24	91	13834	0.657	uq/L	92
45) trans-1,3-Dichloropropene	10.47	75	3591	0.526	uq/L	90
46) 1,1,2-Trichloroethane	10.64	97	2671	0.660	uq/L #	80
47) Tetrachloroethene	10.72	164	2770	0.726	uq/L #	68
49) 2-Hexanone	10.83	43	6091	1.656	uq/L #	86
50) Dibromochloromethane	10.99	129	2710	0.592	uq/L	95
51) 1,2-Dibromoethane	11.09	107	2082	0.528	uq/L #	94
52) Chlorobenzene	11.52	112	8122	0.608	uq/L	97
53) Ethylbenzene	11.59	91	14565	0.611	uq/L	92
54) m,p-Xylene	11.70	106	5256	0.583	uq/L	94
55) o-xylene	12.03	106	5008	0.566	uq/L	79
56) Styrene	12.04	104	7718	0.525	uq/L	95
57) Isopropylbenzene	12.33	105	13393	0.582	uq/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	3723	0.737	uq/L #	87
59) 1,2,3-Trichloropropane	12.63	75	2419	0.589	uq/L	98
62) Bromoform	12.20	173	1477m	0.554	uq/L	
63) 1,3-Dichlorobenzene	13.36	146	5976	0.596	uq/L #	83
64) 1,4-Dichlorobenzene	13.45	146	6685	0.667	uq/L	95
65) 1,2-Dichlorobenzene	13.73	146	5733	0.618	uq/L #	78
66) 1,2-Dibromo-3-chloropropan	14.36	75	480m	0.544	uq/L	
67) 1,3,5-Trichlorobenzene	14.50	180	4723	0.676	uq/L	89
68) 1,2,4-trichlorobenzene	15.00	180	3915	0.627	uq/L	93
69) Naphthalene	15.23	128	8699	0.559	uq/L #	95
70) 1,2,3-Trichlorobenzene	15.42	180	3274	0.564	uq/L #	91

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

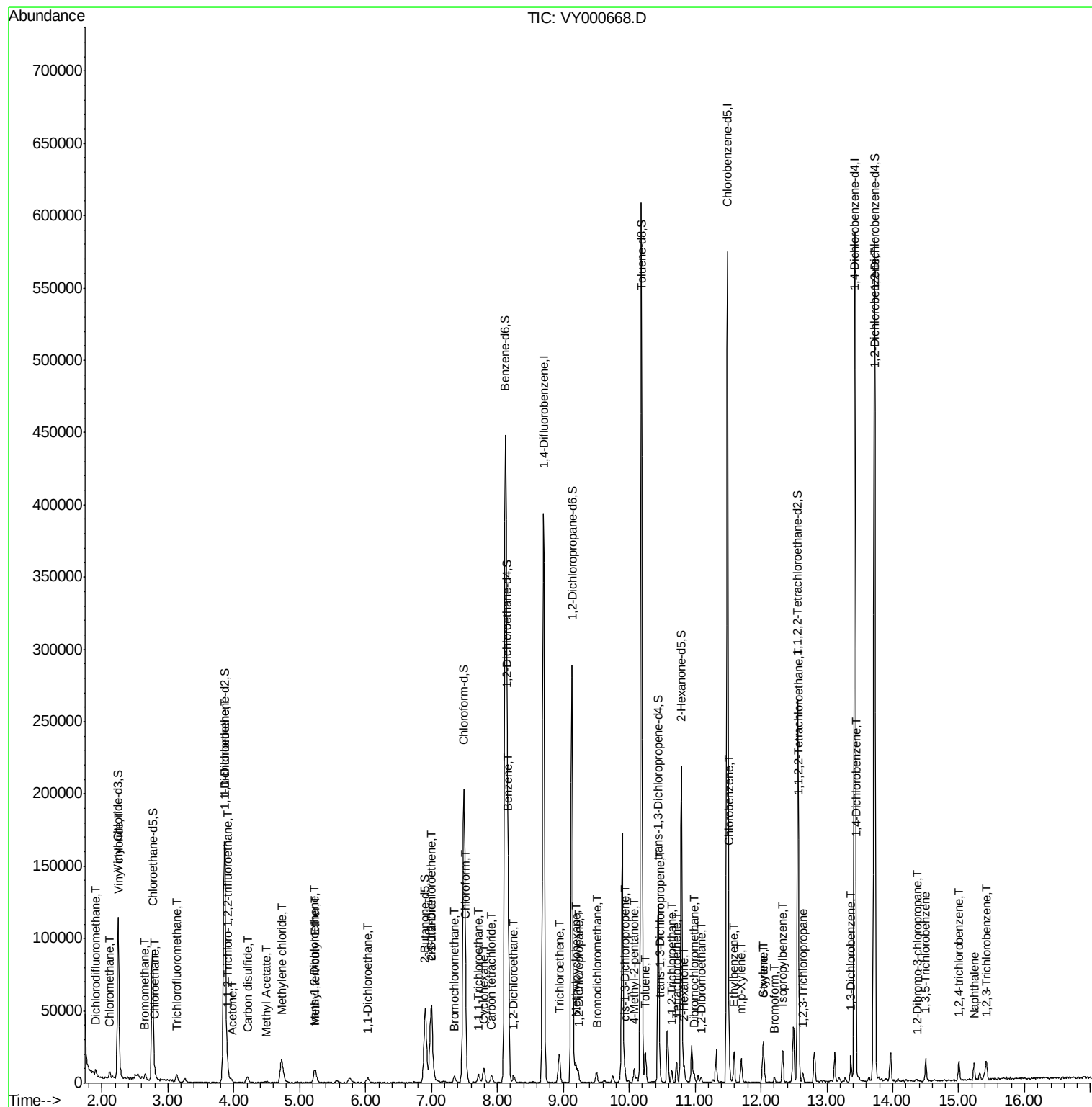
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111319\
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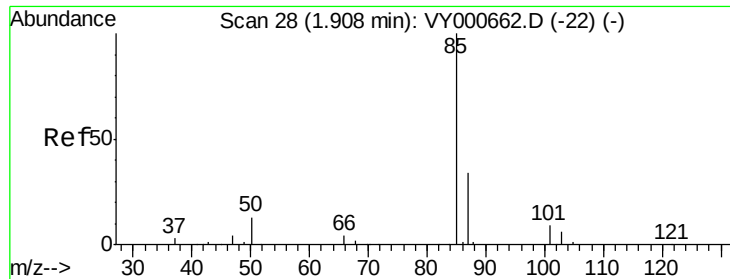
Instrument :
MSVOA_Y
ClientSampleId :
MDL05

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#2

Dichlorodifluoromethane

Concen: 0.690 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion: 85 Resp: 3042

Ion Ratio Lower Upper

85 100

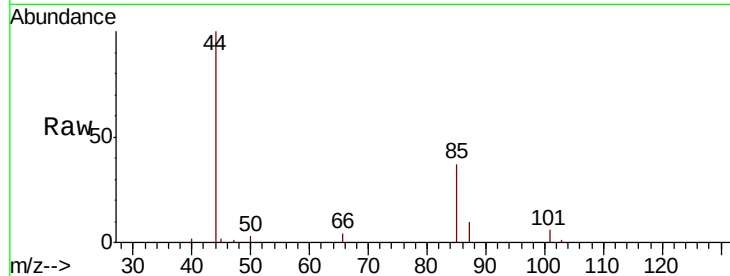
87 20.6 22.7 42.1#

Manual Integrations

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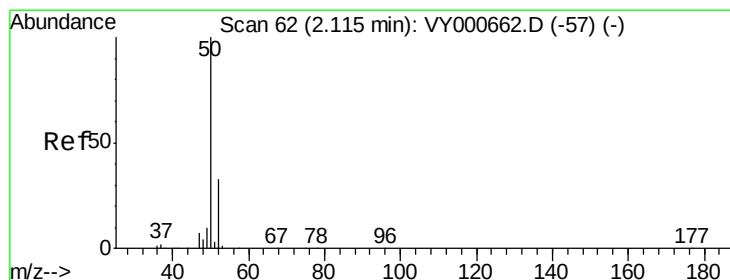
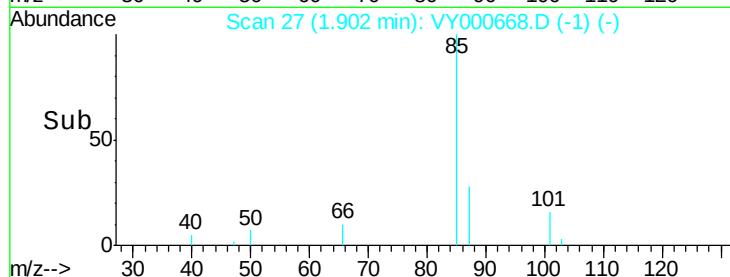
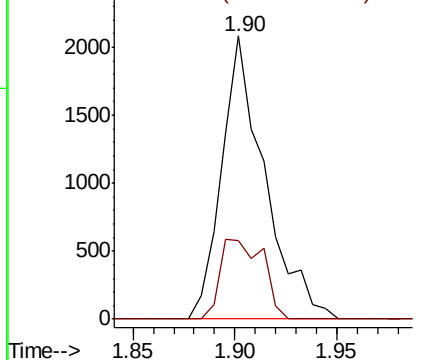
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Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 0.672 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000668.D

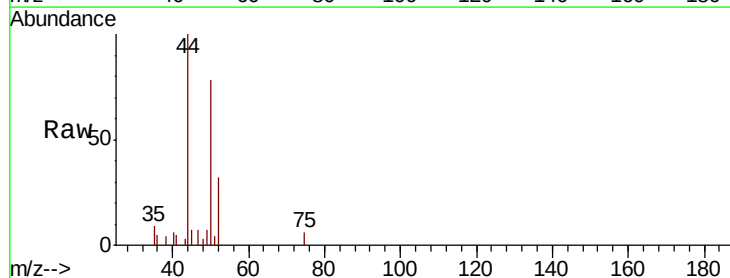
Acq: 13 Nov 2019 13:21

Tgt Ion: 50 Resp: 3711

Ion Ratio Lower Upper

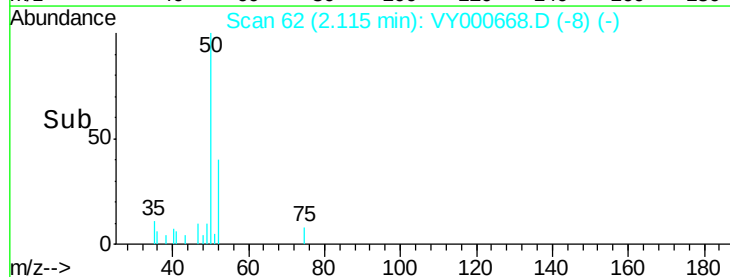
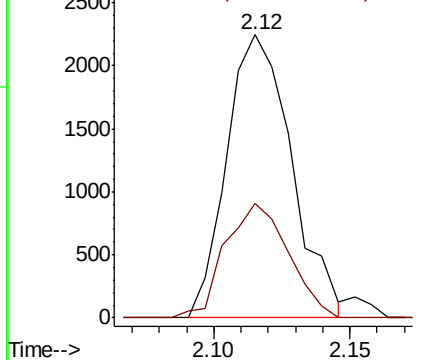
50 100

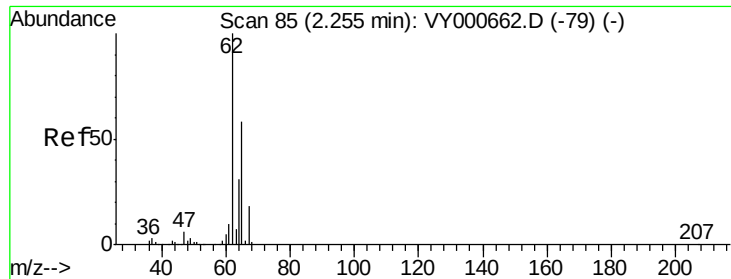
52 40.4 24.9 46.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 0.546 ug/L

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Instrument :

MSVOA_Y

ClientSampled :

MDL05

Tot Ion: 62 Resp: 3011

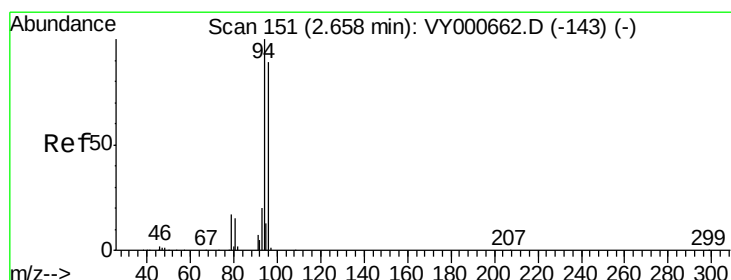
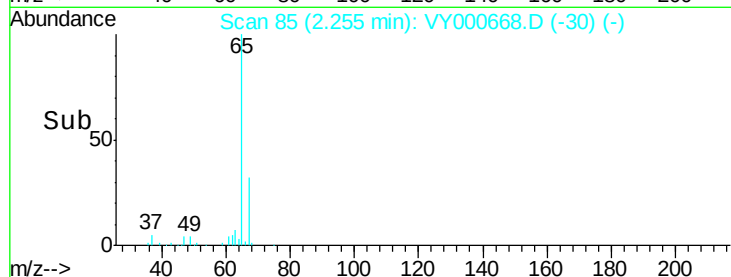
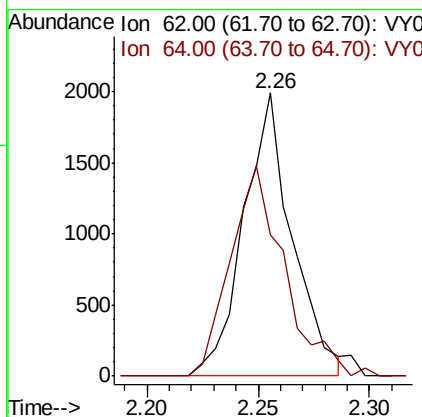
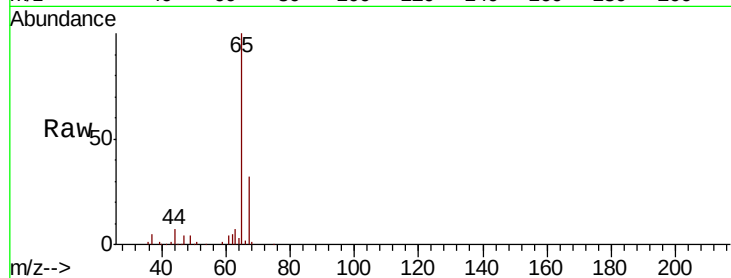
Ion Ratio Lower Upper

62 100

64 49.9 22.0 40.8#

Manual Integrations
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#6

Bromomethane

Concen: 0.708 ug/L m

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000668.D

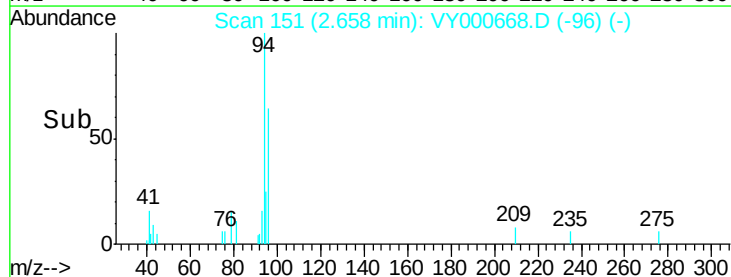
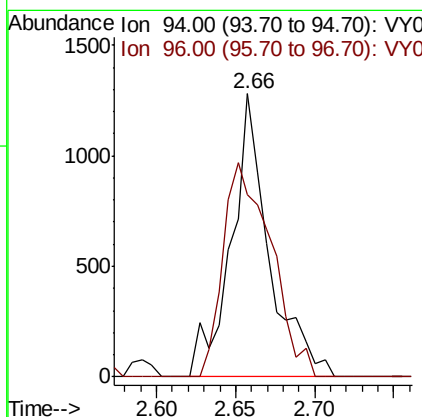
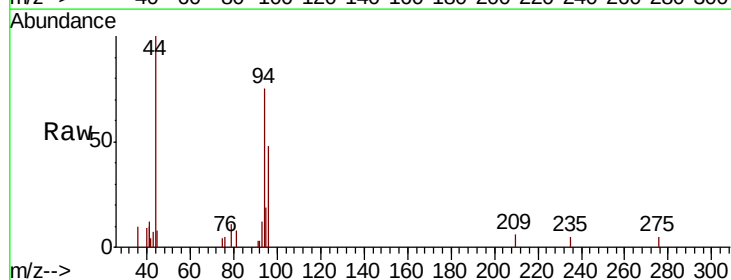
Acq: 13 Nov 2019 13:21

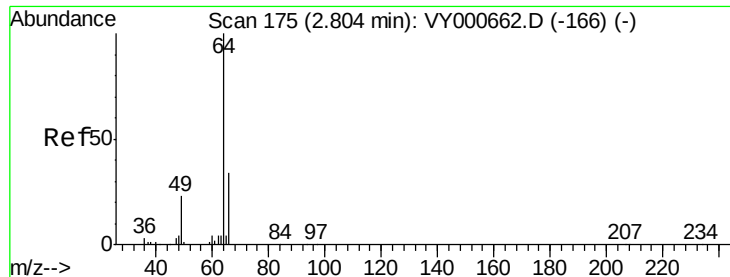
Tgt Ion: 94 Resp: 2132

Ion Ratio Lower Upper

94 100

96 95.9 9.8 185.6





#8

Chloroethane

Concen: 0.625 ug/L m

RT: 2.80 min Scan# 175

Delta R.T. 0.01 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Instrument :

MSVOA_Y

ClientSampled :

MDL05

Tot Ion: 64 Resp: 2161

Ion Ratio Lower Upper

64 100

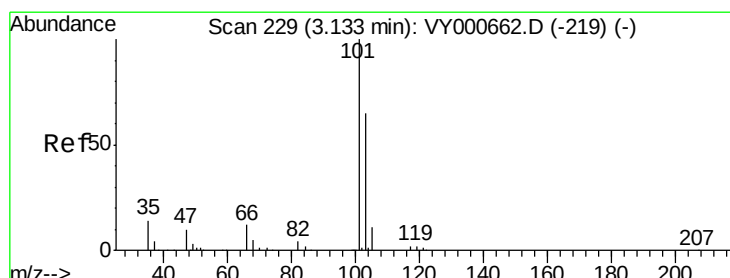
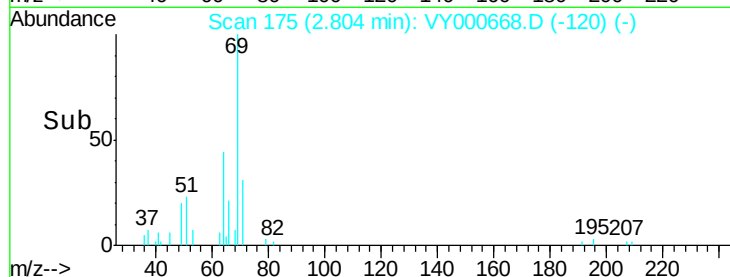
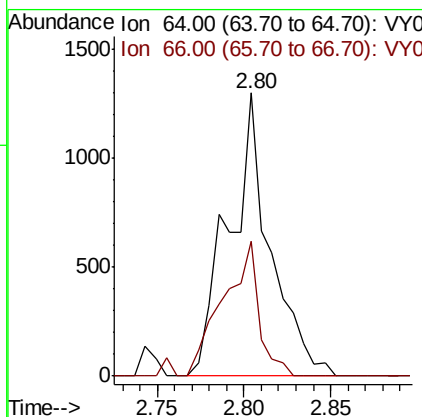
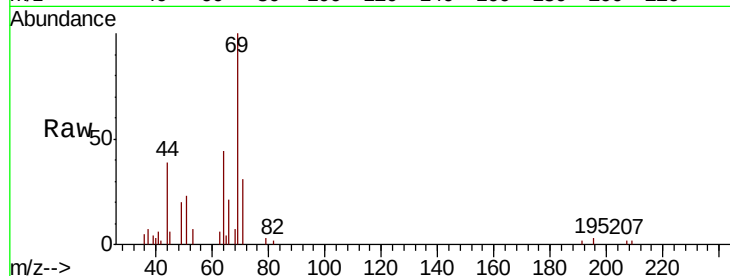
66 47.5 22.2 41.2#

Manual Integrations

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11/19/2019 11:59:23 AM



#9

Trichlorofluoromethane

Concen: 0.636 ug/L

RT: 3.14 min Scan# 230

Delta R.T. 0.01 min

Lab File: VY000668.D

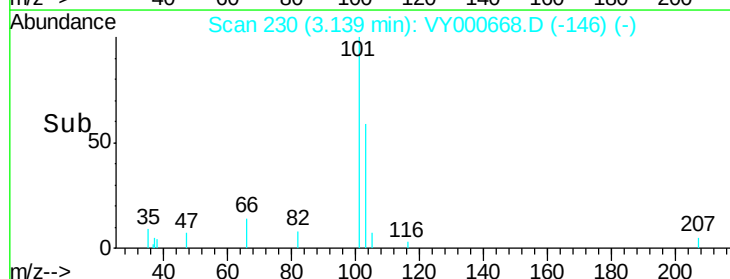
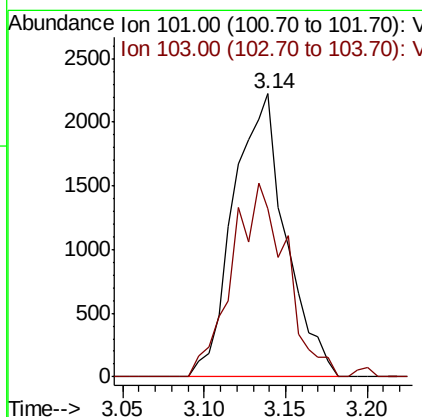
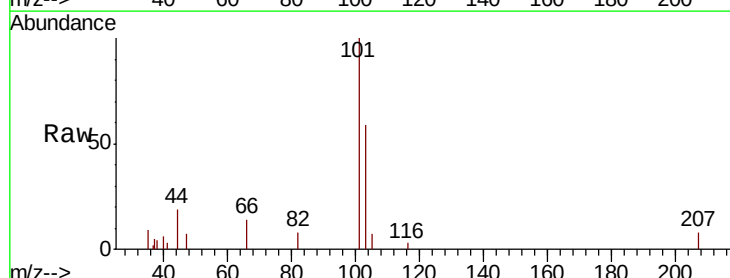
Acq: 13 Nov 2019 13:21

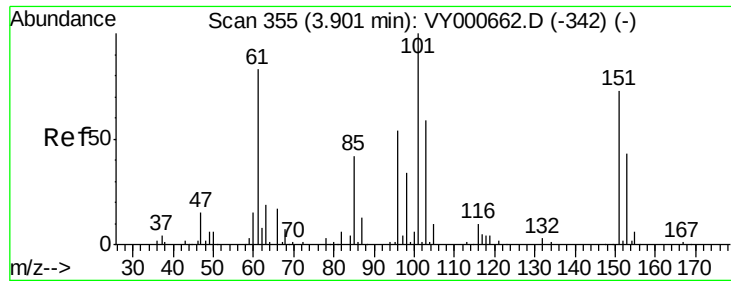
Tgt Ion: 101 Resp: 4963

Ion Ratio Lower Upper

101 100

103 70.9 45.8 85.0





#11

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

Concen: 0.681 ug/L

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Instrument :

MSVOA_Y

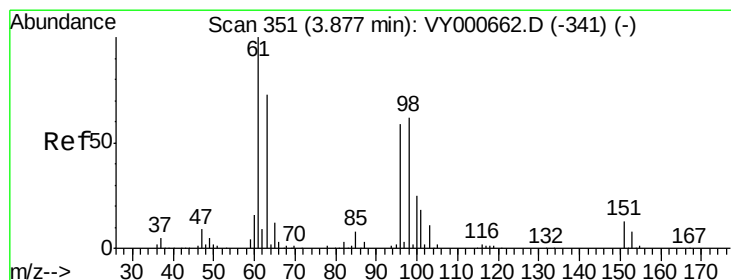
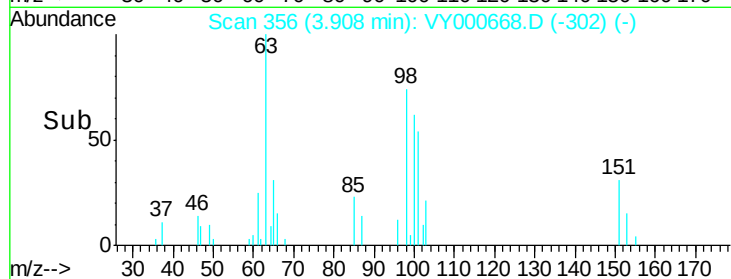
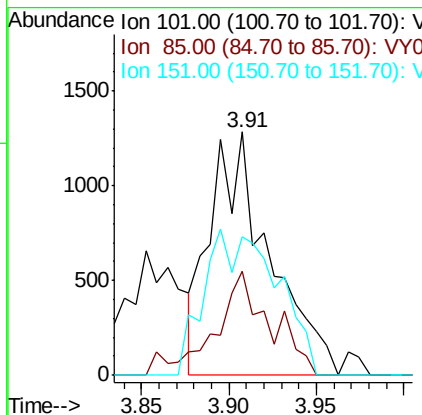
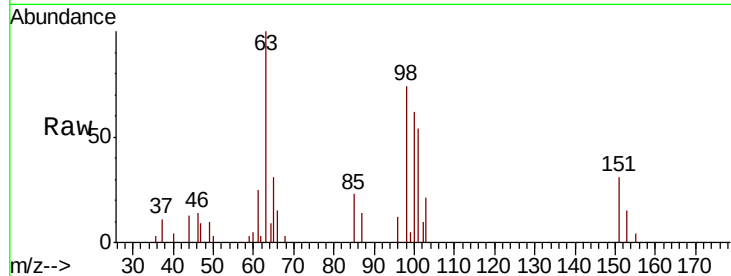
ClientSampleId :

MDL05

Tot Ion:	101	Resp:	3015
Ion Ratio	Lower	Upper	
101	100		
85	25.8	35.3	52.9#
151	43.3	61.9	92.9#

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#12

1,1-Dichloroethene

Concen: 0.824 ug/L

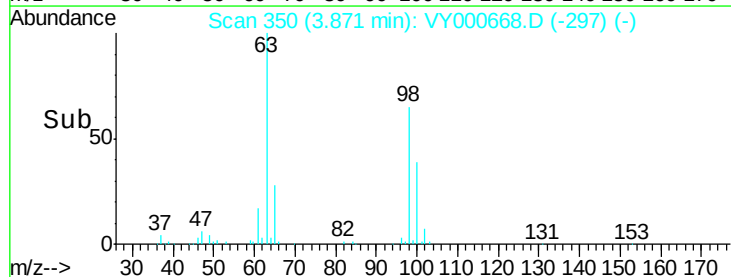
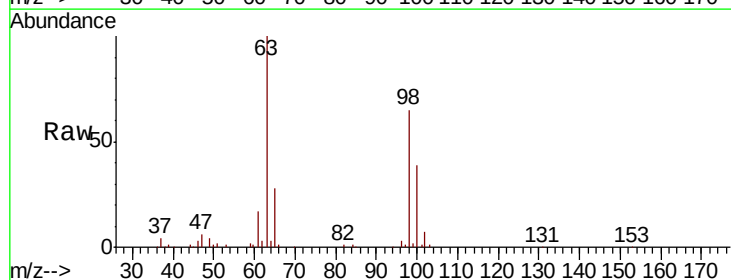
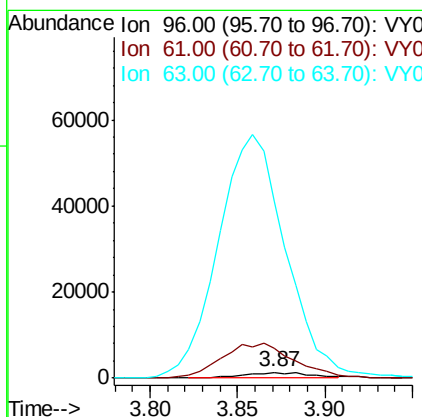
RT: 3.87 min Scan# 350

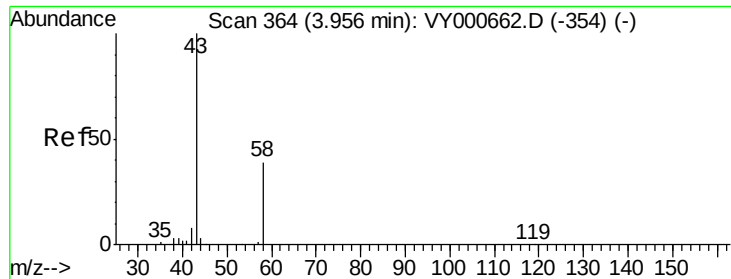
Delta R.T. -0.01 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Tgt Ion:	96	Resp:	3561
Ion Ratio	Lower	Upper	
96	100		
61	500.1	113.5	210.9#
63	2970.1	94.3	175.1#





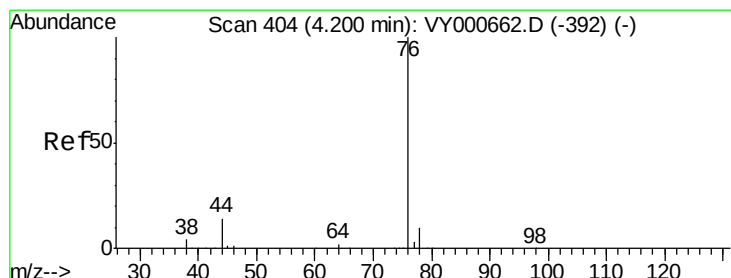
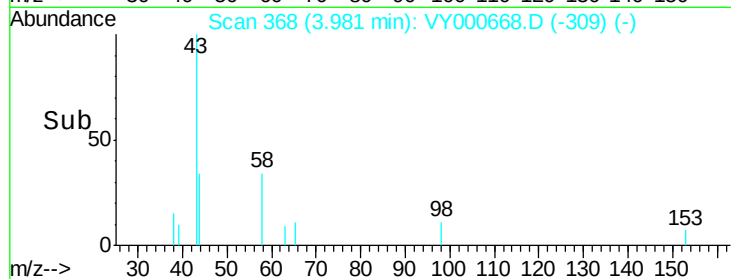
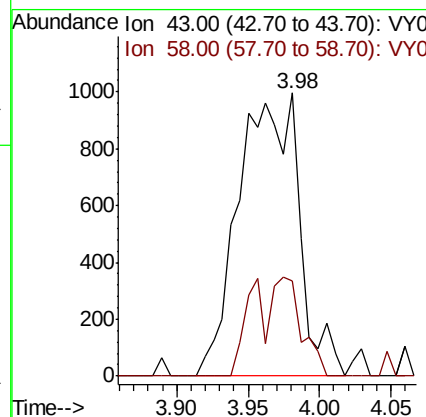
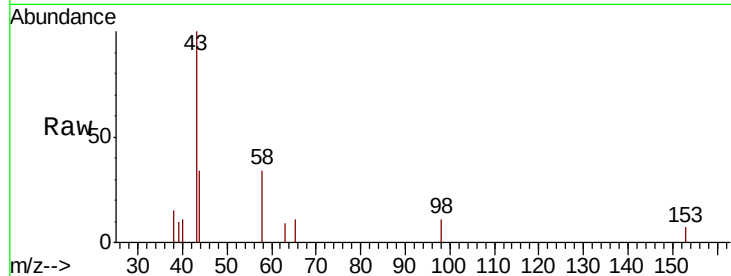
#13
Acetone
Concen: 2.047 ug/L m
RT: 3.98 min Scan# 368
Delta R.T. 0.03 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Instrument :
MSVOA_Y
ClientSampled :
MDL05

Tot Ion: 43 Resp: 2910
Ion Ratio Lower Upper
43 100
58 10.9 0.0 64.8

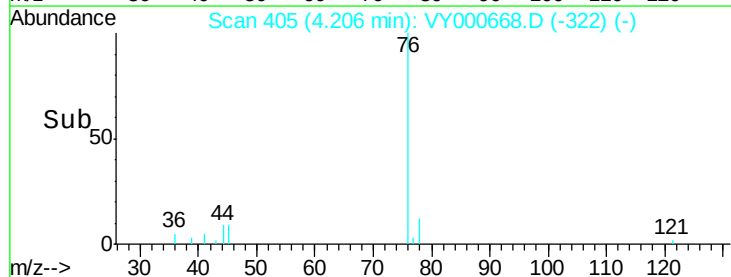
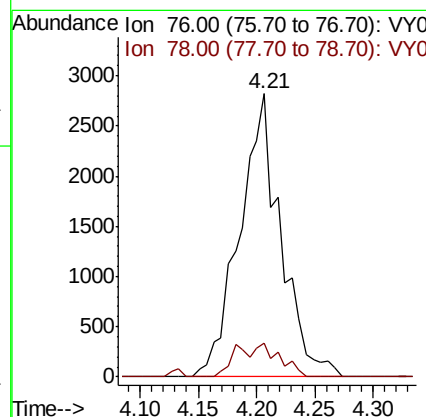
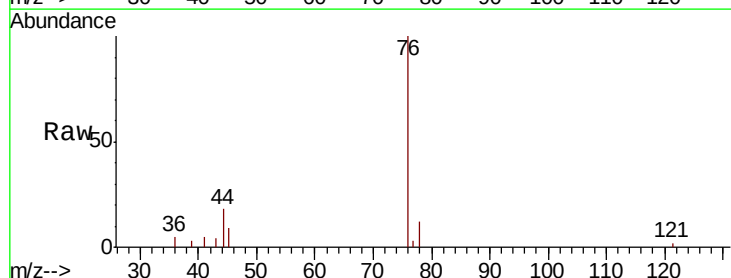
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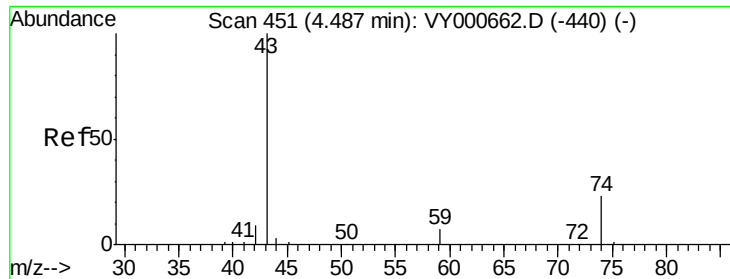
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#14
Carbon disulfide
Concen: 0.519 ug/L
RT: 4.21 min Scan# 405
Delta R.T. 0.01 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Tgt Ion: 76 Resp: 6922
Ion Ratio Lower Upper
76 100
78 11.9 7.0 10.6#





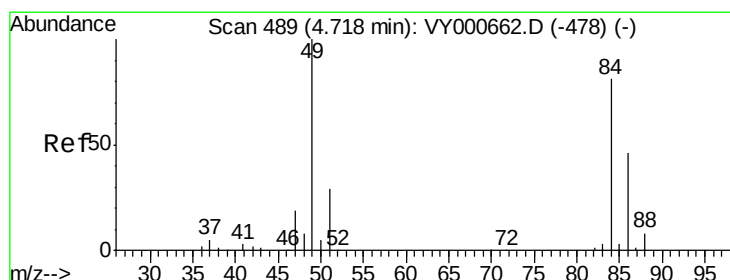
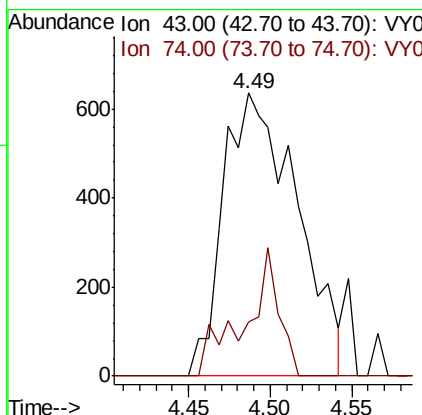
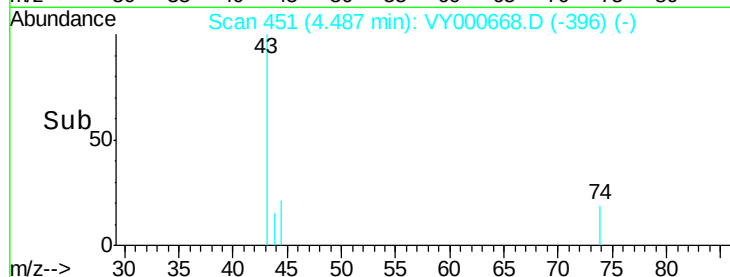
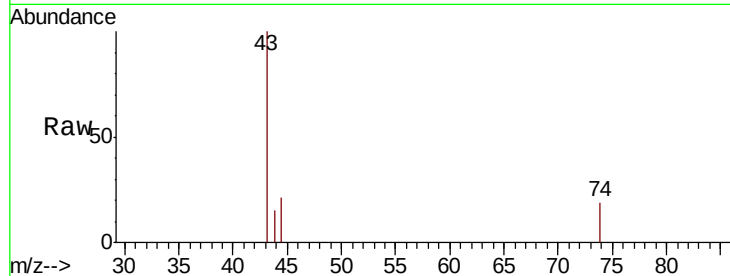
#15
Methvl Acetate
Concen: 0.617 ug/L
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Instrument :
MSVOA_Y
ClientSampled :
MDL05

Tot Ion: 43 Resp: 2009
Ion Ratio Lower Upper
43 100
74 14.0 18.1 27.1#

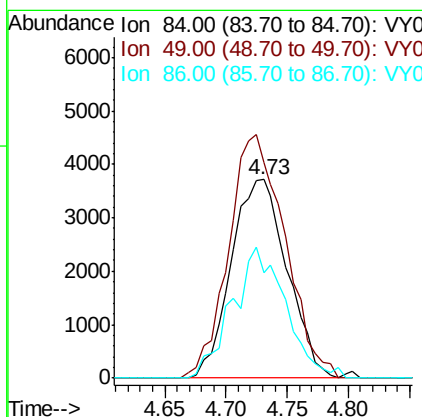
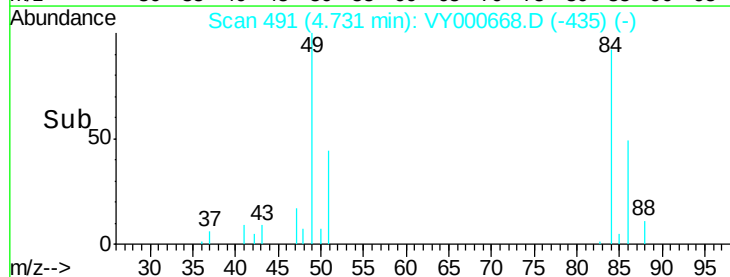
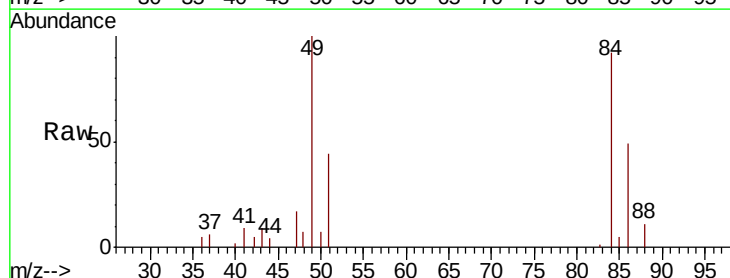
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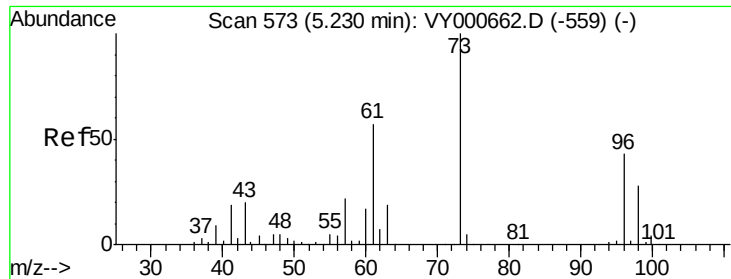
MMDADODA
11/19/2019 11:59:23 AM



#16
Methylene chloride
Concen: 2.142 ug/L
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Tgt Ion: 84 Resp: 11794
Ion Ratio Lower Upper
84 100
49 108.4 88.8 165.0
86 53.2 43.9 81.5





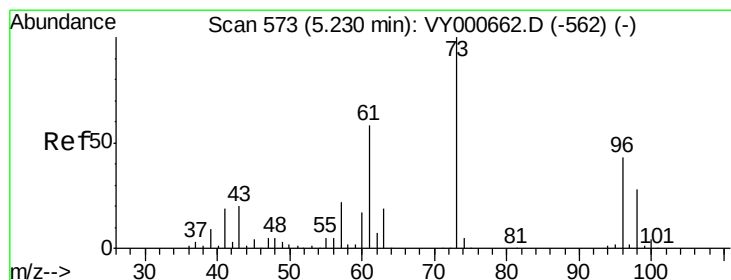
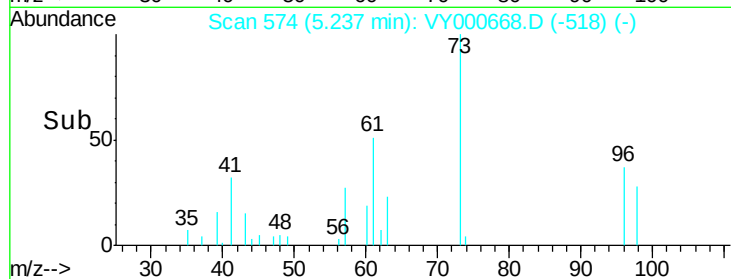
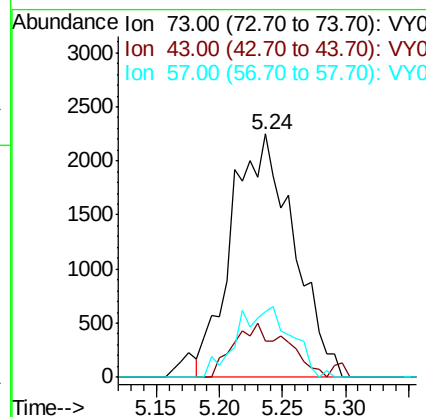
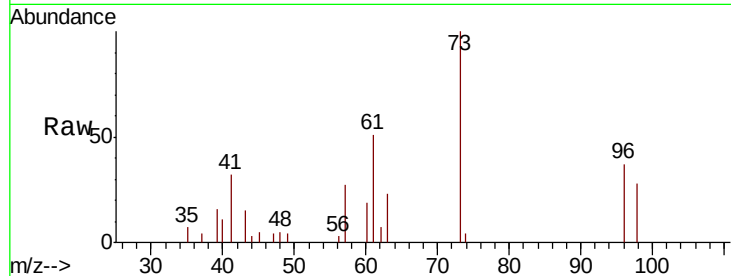
#17
Methyl tert-butyl Ether
Concen: 0.584 ug/L m
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Instrument :
MSVOA_Y
ClientSampled :
MDL05

Tot Ion: 73 Resp: 7688
Ion Ratio Lower Upper
73 100
43 11.3 15.4 23.0#
57 7.5 17.5 26.3#

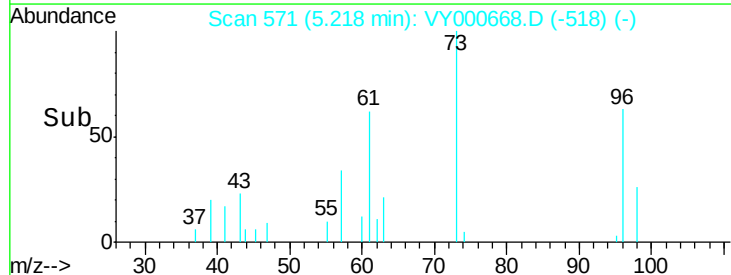
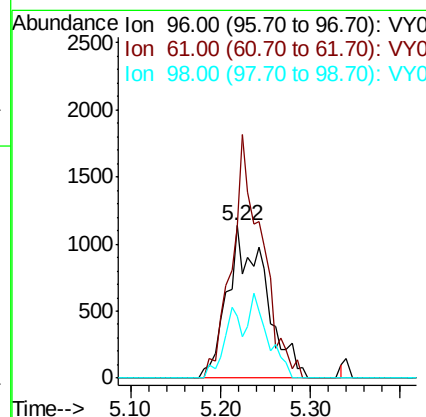
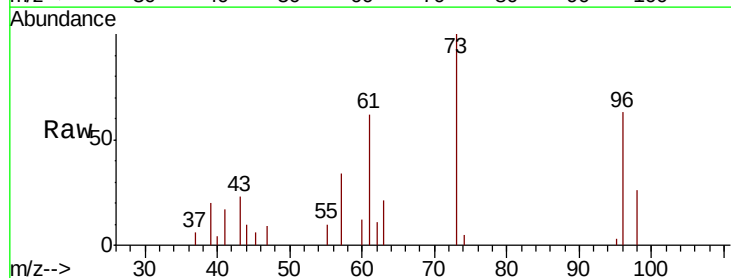
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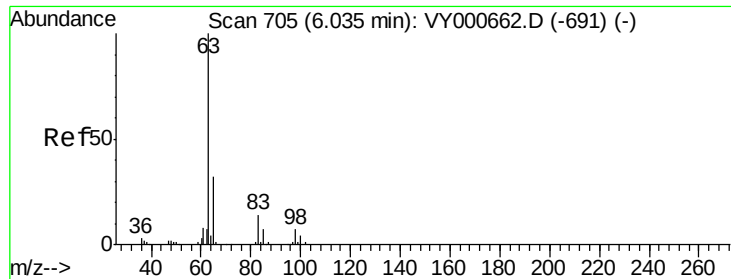
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11/19/2019 11:59:23 AM



#18
trans-1,2-Dichloroethene
Concen: 0.700 ug/L m
RT: 5.22 min Scan# 571
Delta R.T. -0.01 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Tgt Ion: 96 Resp: 3382
Ion Ratio Lower Upper
96 100
61 99.6 91.8 170.4
98 41.0 46.3 85.9#





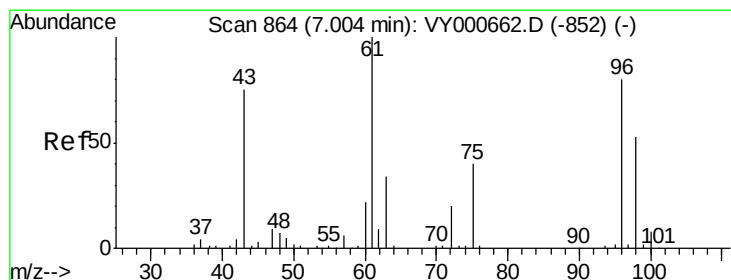
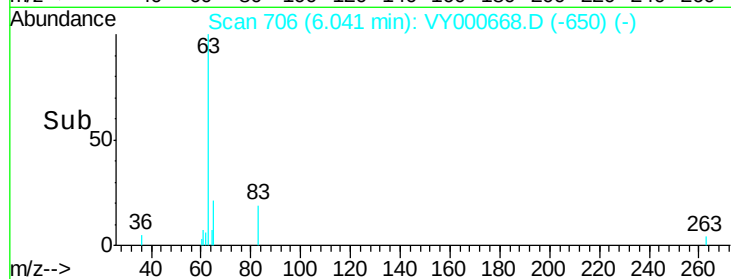
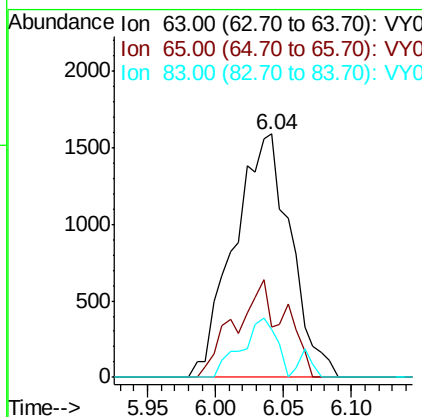
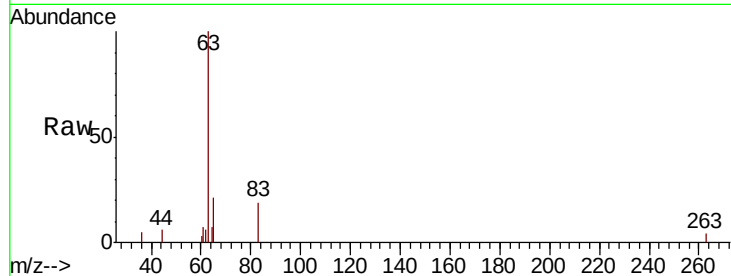
#19
 1,1-Dichloroethane
 Concen: 0.546 ug/L
 RT: 6.04 min Scan# 706
 Delta R.T. 0.01 min
 Lab File: VY000668.D
 Acq: 13 Nov 2019 13:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
63	100		
65	20.9	23.9	44.5#
83	19.5	10.1	18.9#

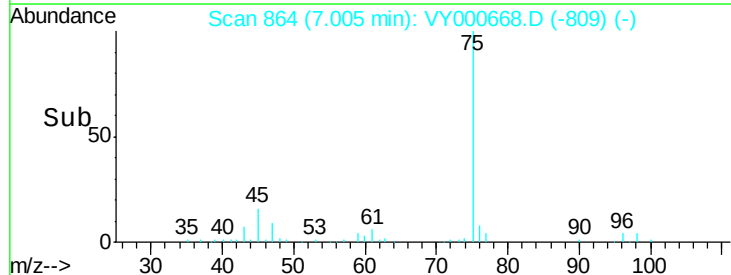
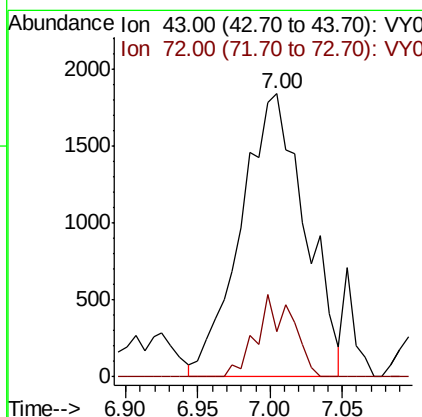
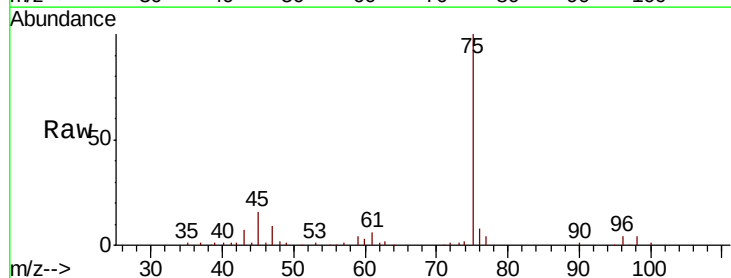
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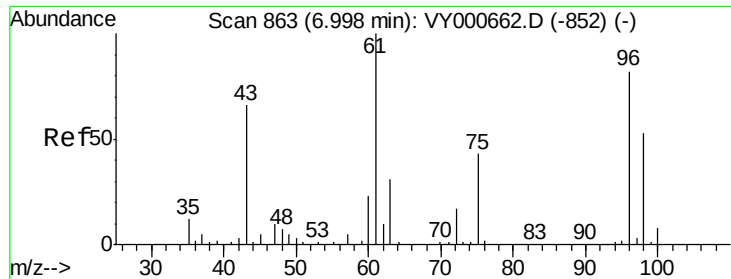
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#21
 2-Butanone
 Concen: 2.274 ug/L m
 RT: 7.00 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VY000668.D
 Acq: 13 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
43	100		
72	7.0	12.6	37.8#





#22

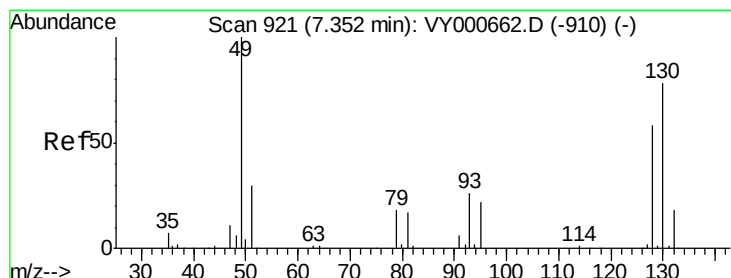
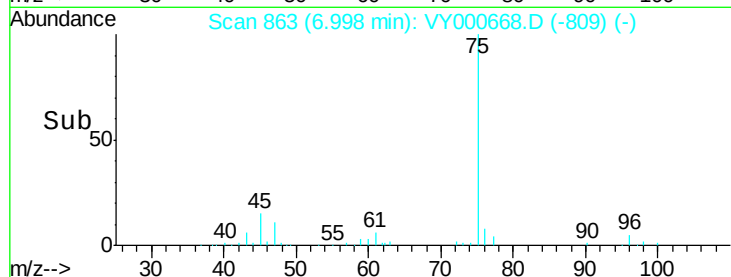
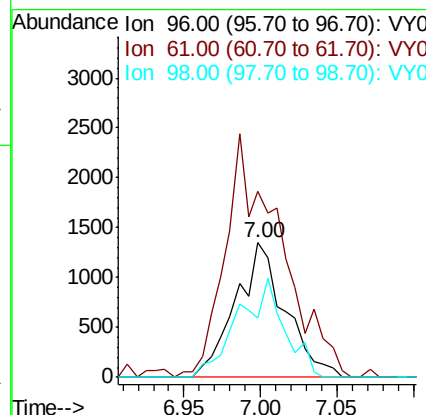
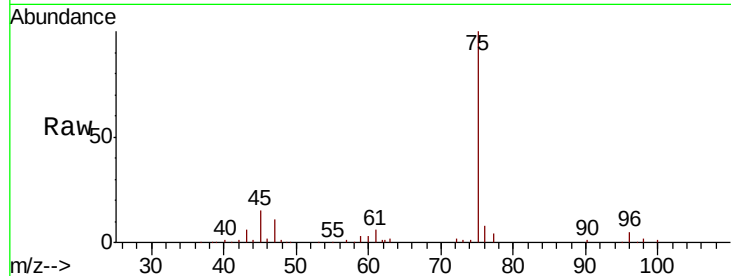
cis-1,2-Dichloroethene
Concen: 0.566 ug/L
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Instrument :
MSVOA_Y
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	86.8	161.2
98	43.8	44.6	82.8#

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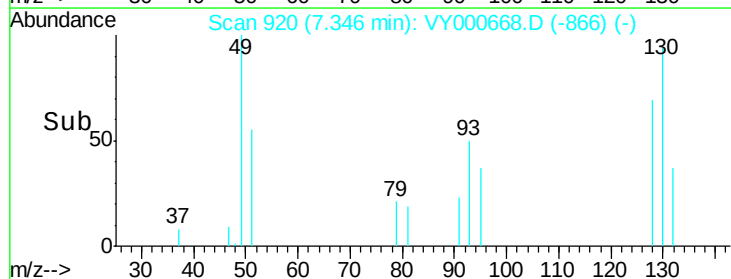
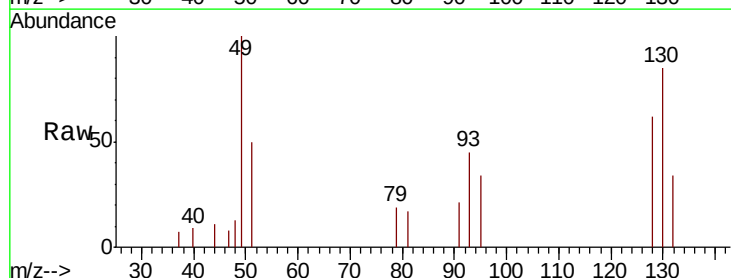
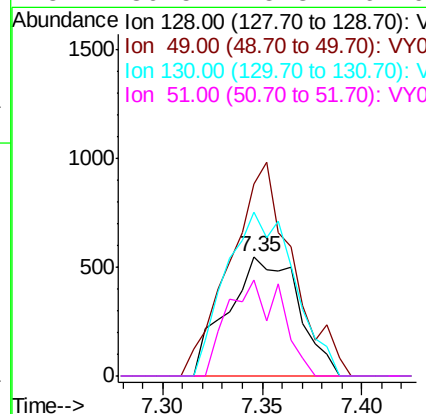
MMDADODA
11/19/2019 11:59:23 AM

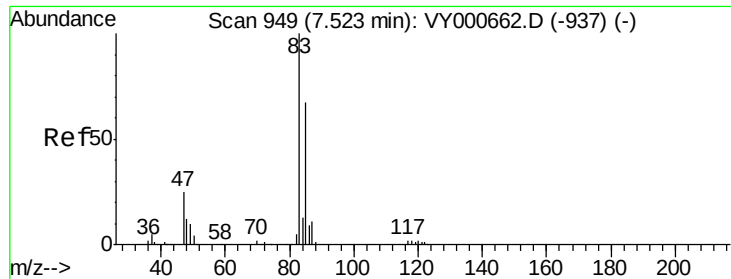


#23

Bromochloromethane
Concen: 0.576 ug/L m
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
128	100		
49	160.7	131.5	244.3
130	137.3	96.7	179.5
51	80.5	45.3	67.9#





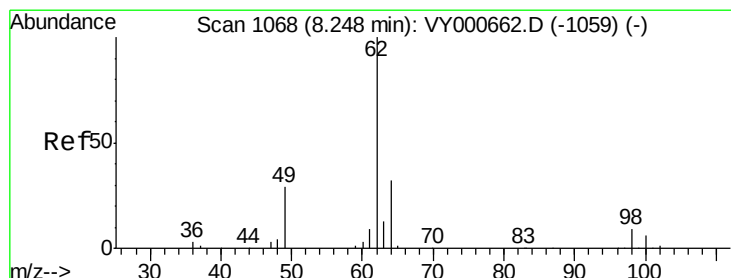
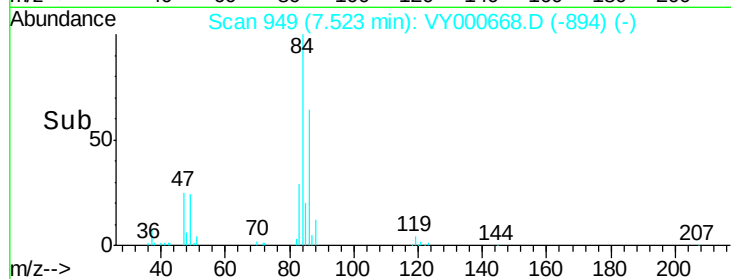
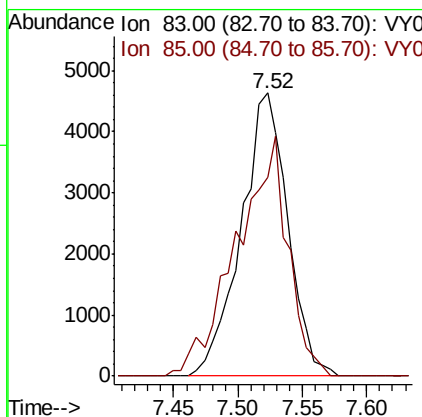
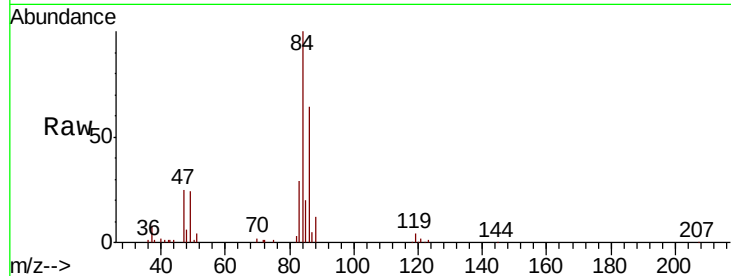
#25
Chloroform
Concen: 1.271 ug/L
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	83	Resp	11637
Ion Ratio	100	Lower	Upper
85	93.5	45.6	84.6#

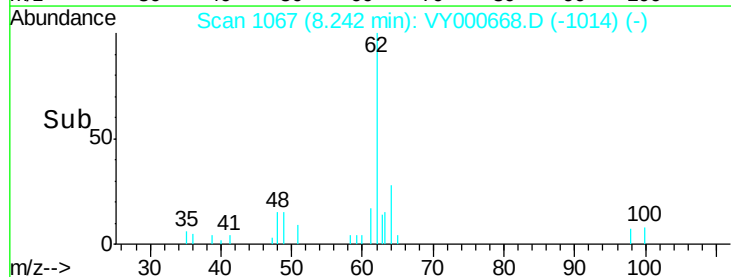
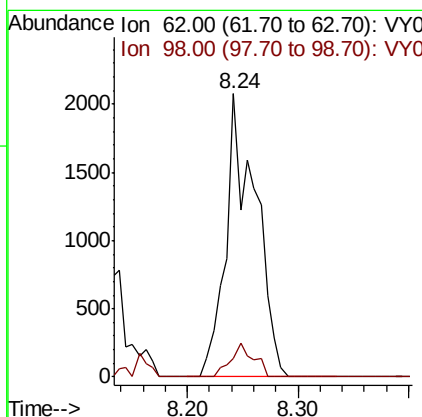
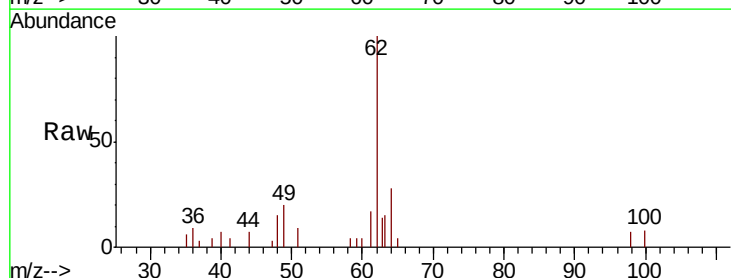
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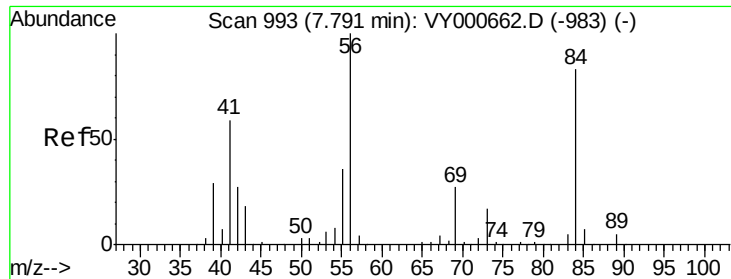
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11/19/2019 11:59:23 AM



#27
1,2-Dichloroethane
Concen: 0.628 ug/L m
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Tgt Ion	62	Resp	3845
Ion Ratio	100	Lower	Upper
98	6.6	7.5	11.3#





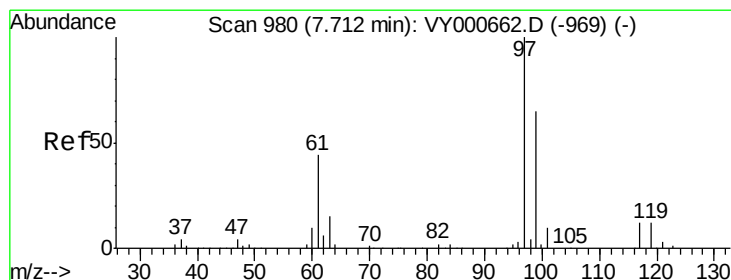
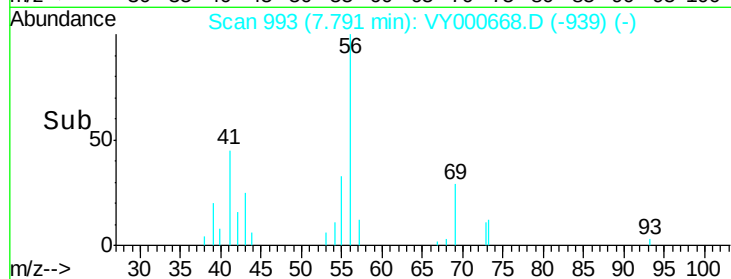
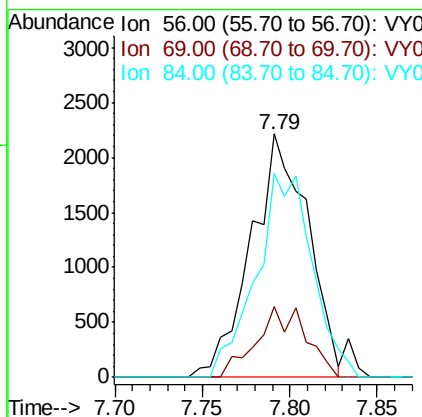
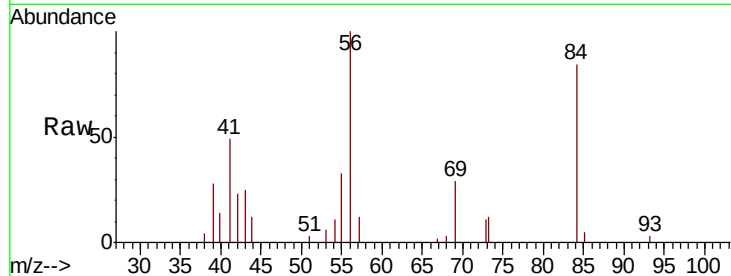
#30
Cyclohexane
Concen: 0.617 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.3	24.1	36.1
84	83.4	70.2	105.4

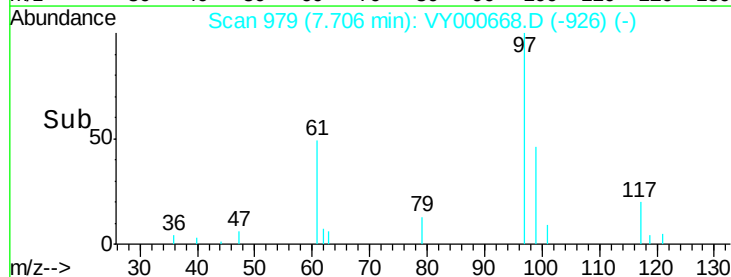
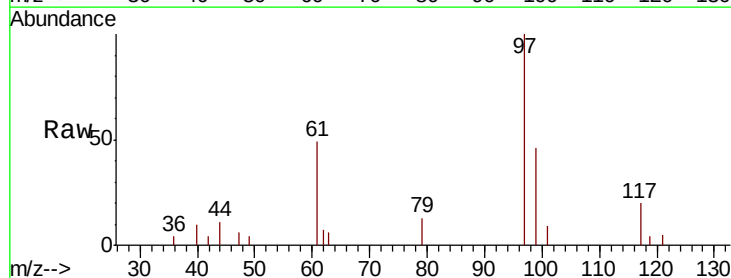
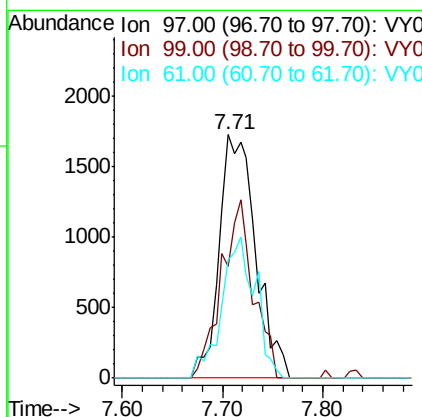
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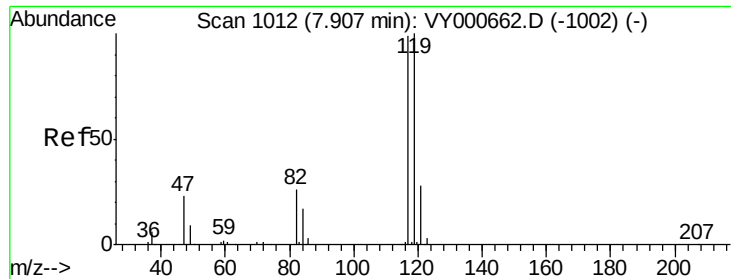
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11/19/2019 11:59:23 AM



#31
1,1,1-Trichloroethane
Concen: 0.597 ug/L m
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.0
61	44.3	34.7	52.1





#32

Carbon tetrachloride

Concen: 0.527 ug/L

RT: 7.92 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion:117 Resp: 3373

Ion Ratio Lower Upper

117 100

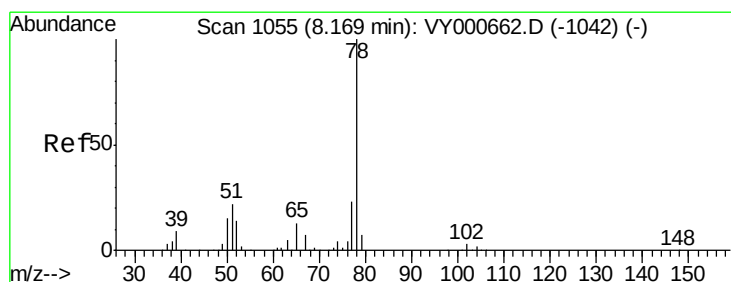
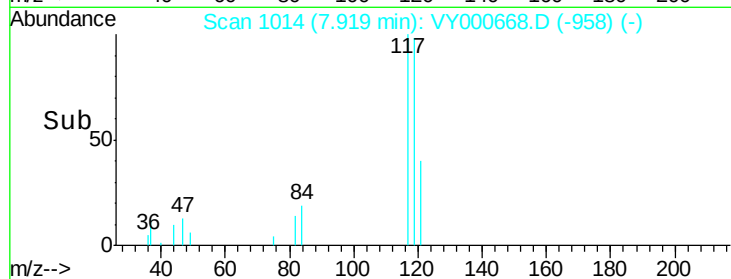
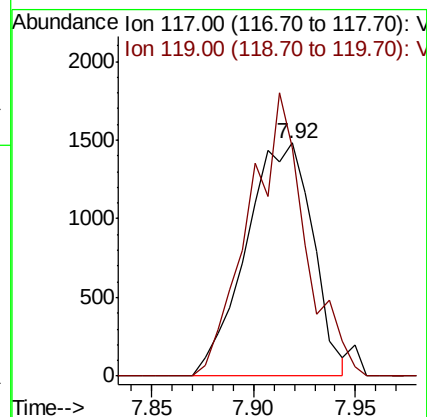
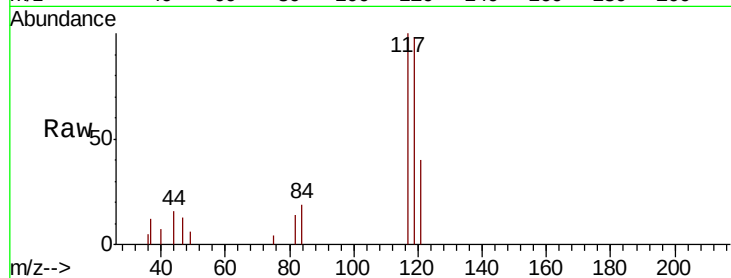
119 102.6 76.2 114.2

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11/19/2019 11:59:23 AM



#34

Benzene

Concen: 0.594 ug/L

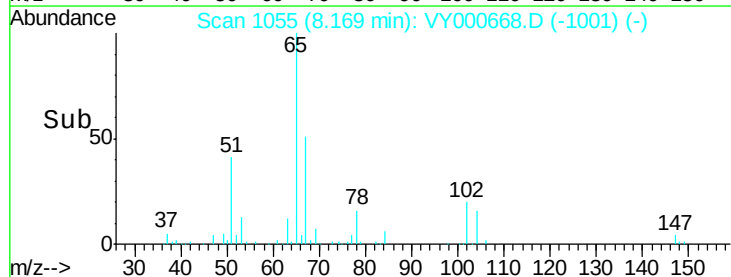
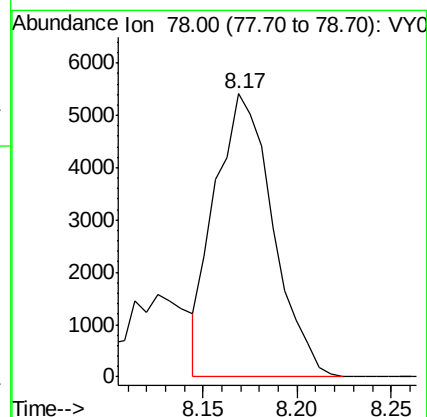
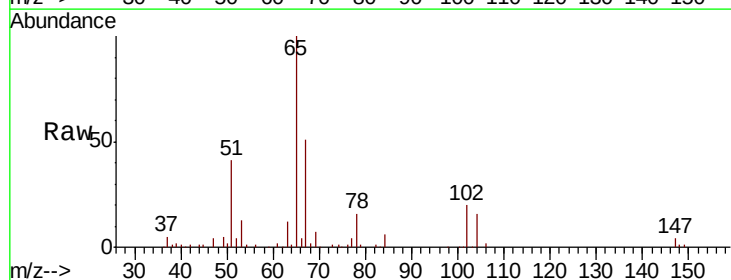
RT: 8.17 min Scan# 1055

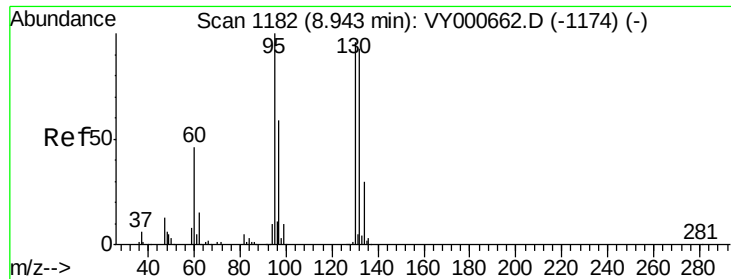
Delta R.T. 0.00 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Tgt Ion: 78 Resp: 11569





#35

Trichloroethene

Concen: 0.613 ug/L

RT: 8.95 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Instrument :

MSVOA_Y

ClientSampled :

MDL05

Tot Ion: 95 Resp: 3129

Ion Ratio Lower Upper

95 100

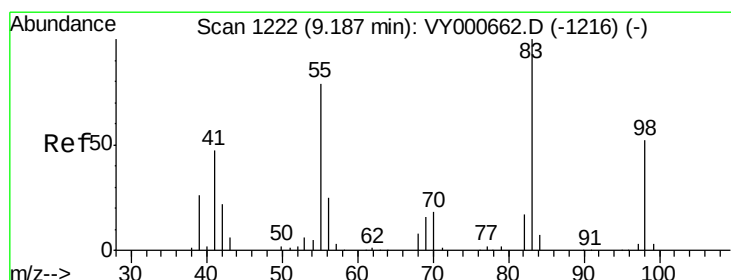
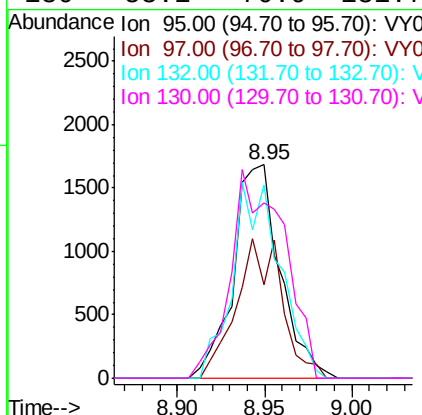
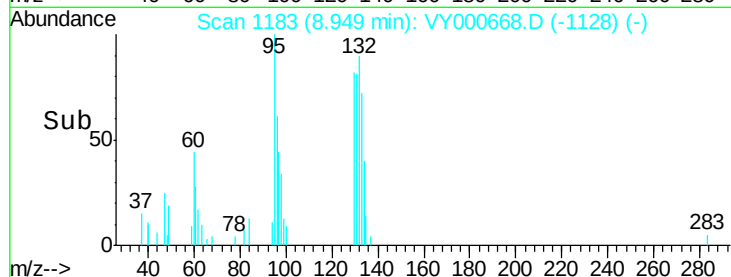
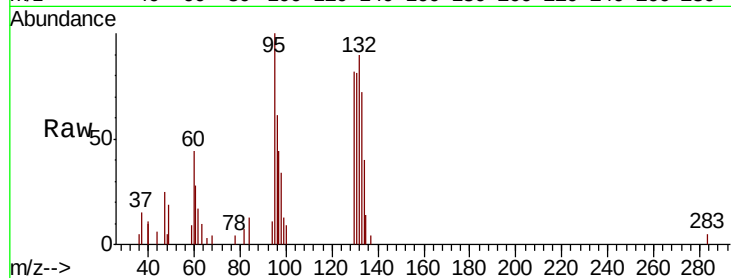
97 40.0 44.4 82.4#

132 93.7 66.8 124.0

130 53.1 70.9 131.7#

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#36

Methylcyclohexane

Concen: 0.628 ug/L

RT: 9.19 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

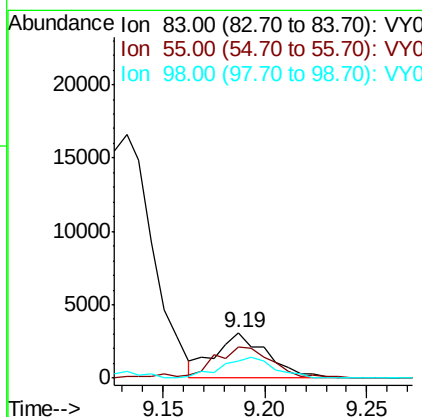
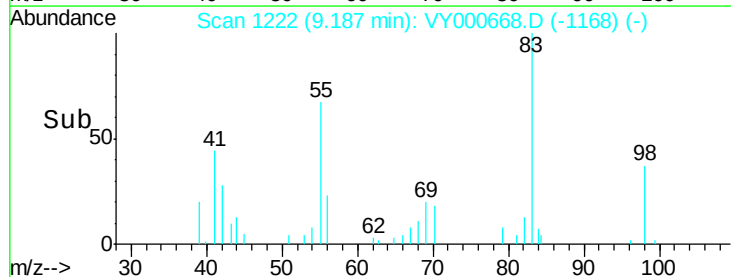
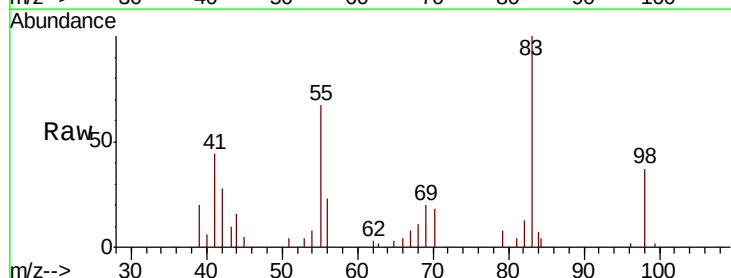
Tgt Ion: 83 Resp: 5492

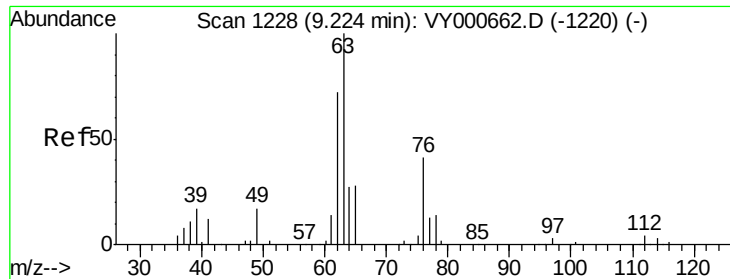
Ion Ratio Lower Upper

83 100

55 71.6 60.0 90.0

98 46.2 40.2 60.2





#40

1,2-Dichloropropane

Concen: 0.584 ug/L m

RT: 9.24 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion: 63 Resp: 2885

Ion Ratio Lower Upper

63 100

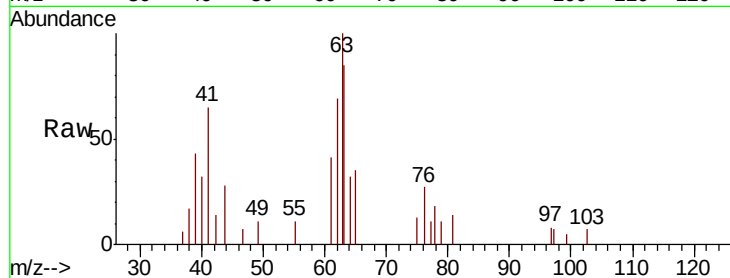
112 1.1 3.2 4.8#

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V

2000

1500

1000

500

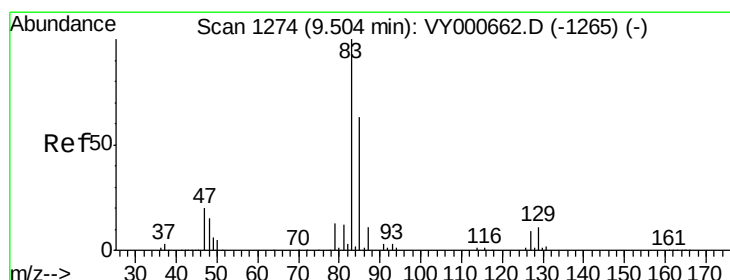
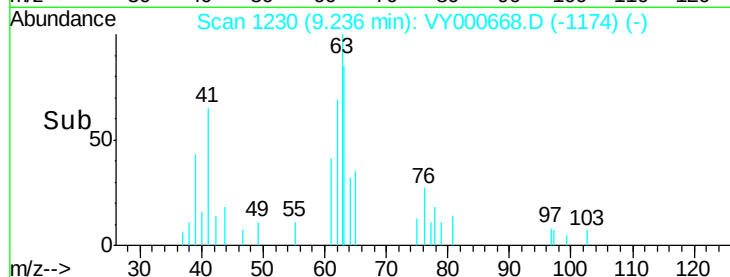
0

9.20

9.24

9.25

Time-->



#41

Bromodichloromethane

Concen: 0.621 ug/L

RT: 9.51 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

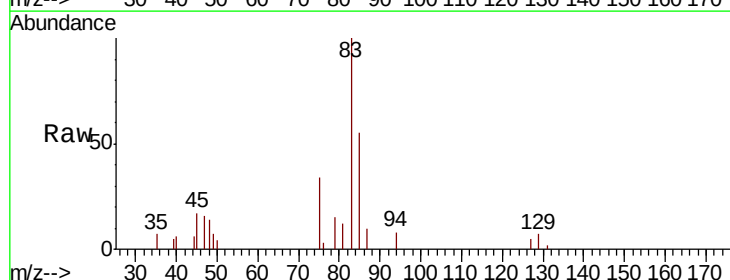
Tgt Ion: 83 Resp: 3945

Ion Ratio Lower Upper

83 100

85 54.8 46.1 85.5

127 5.0 6.5 9.7#



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V

3000

2500

2000

1500

1000

500

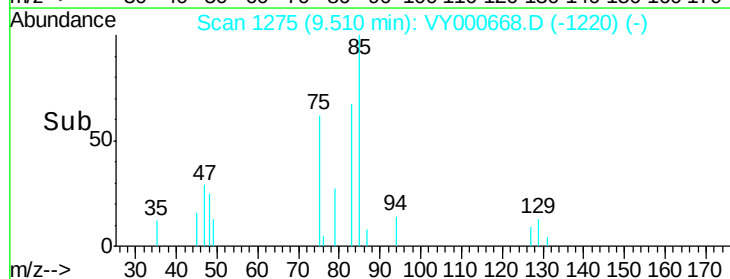
0

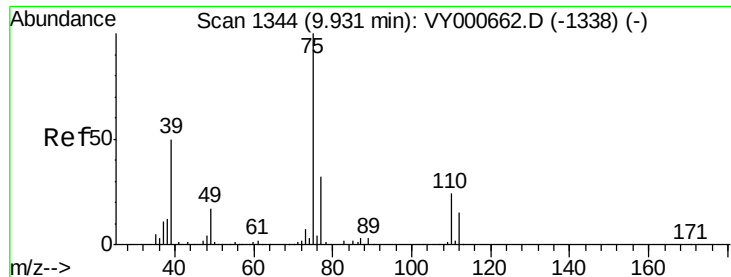
9.45

9.50

9.55

Time-->





#42

cis-1,3-Dichloropropene

Concen: 0.623 ug/L

RT: 9.94 min Scan# 1345

Delta R.T. 0.01 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion: 75 Resp: 4952

Ion Ratio Lower Upper

75 100

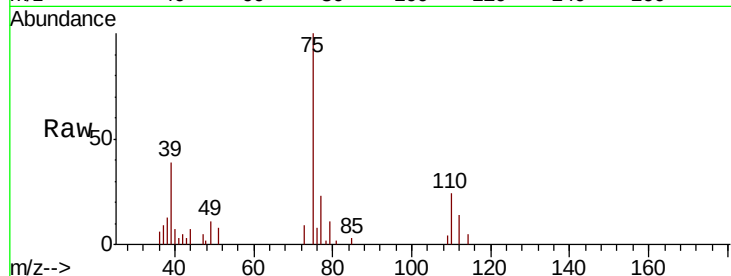
77 23.3 21.7 40.3

Manual Integrations

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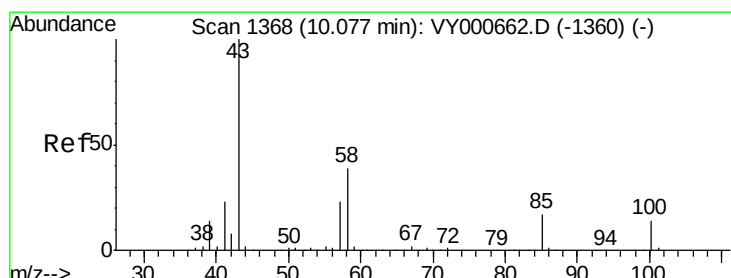
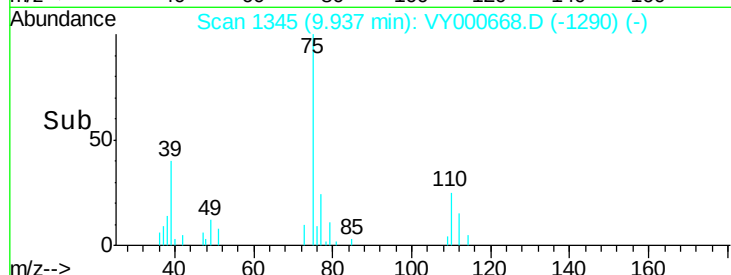
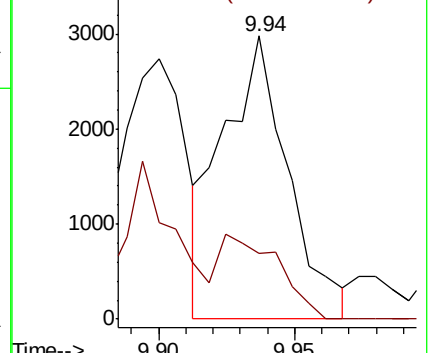
MMDADODA

11/19/2019 11:59:23 AM



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: 1.341 ug/L

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

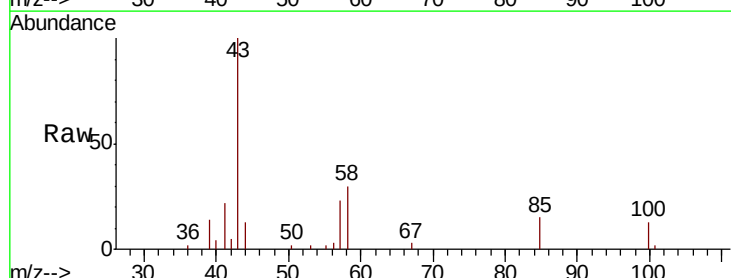
Tgt Ion: 43 Resp: 6331

Ion Ratio Lower Upper

43 100

58 41.2 30.6 45.8

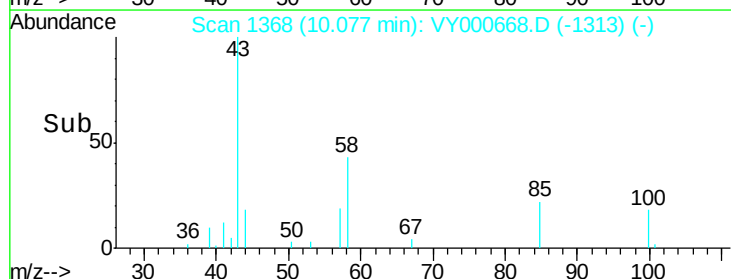
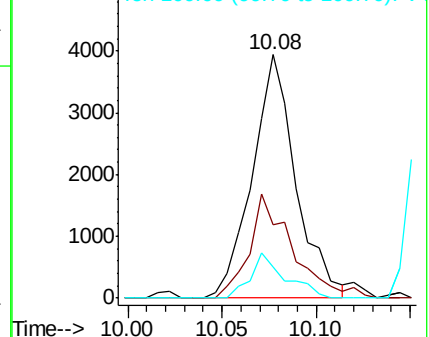
100 13.0 12.0 18.0

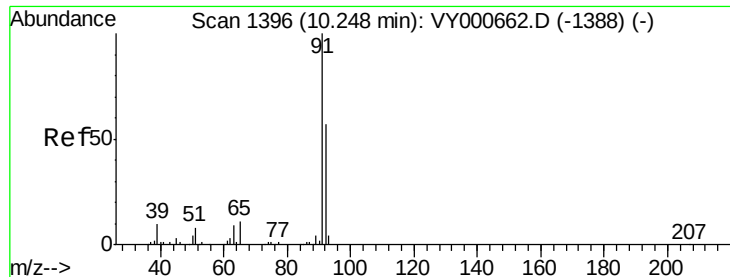


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#44

Toluene

Concen: 0.657 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Instrument :

MSVOA_Y

ClientSampled :

MDL05

Tot Ion: 91 Resp: 13834

Ion Ratio Lower Upper

91 100

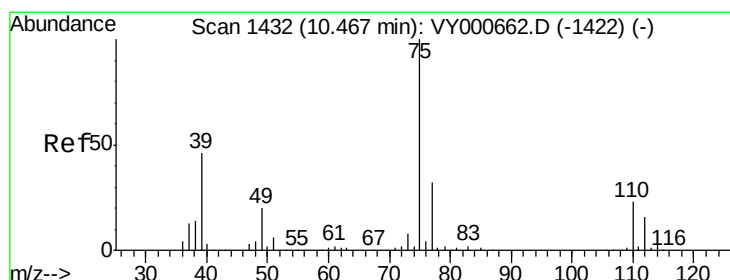
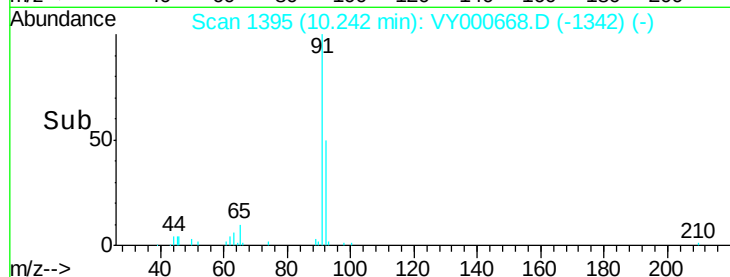
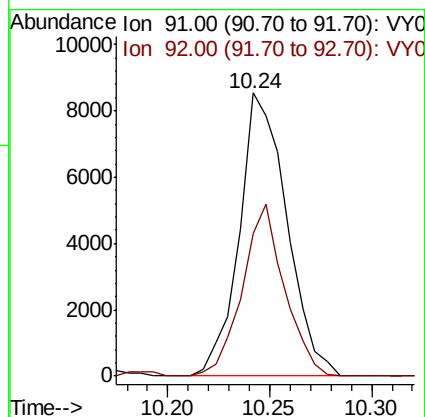
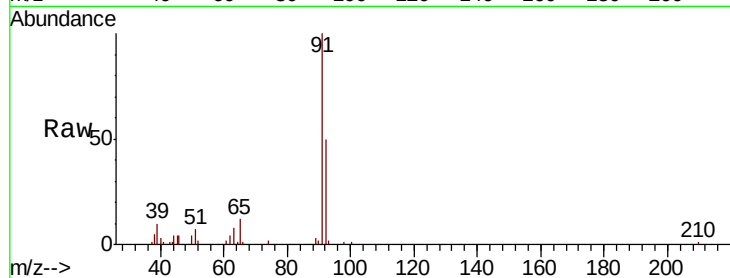
92 50.3 39.5 73.4

Manual Integrations

APPROVED

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11/19/2019 11:59:23 AM



#45

trans-1,3-Dichloropropene

Concen: 0.526 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000668.D

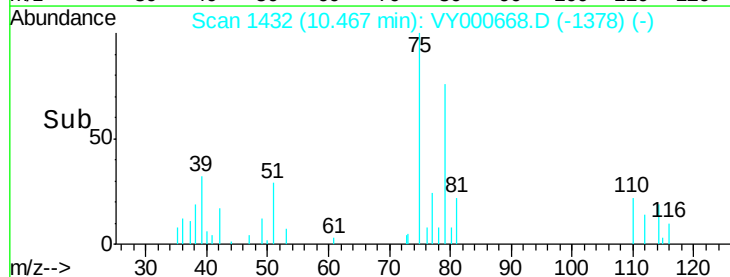
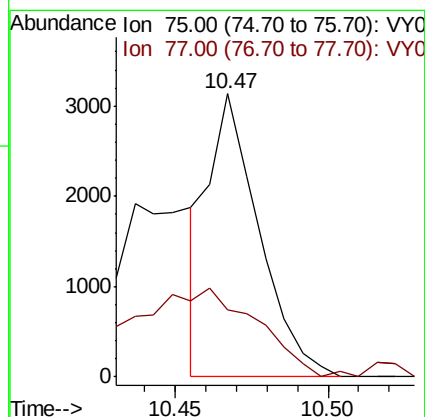
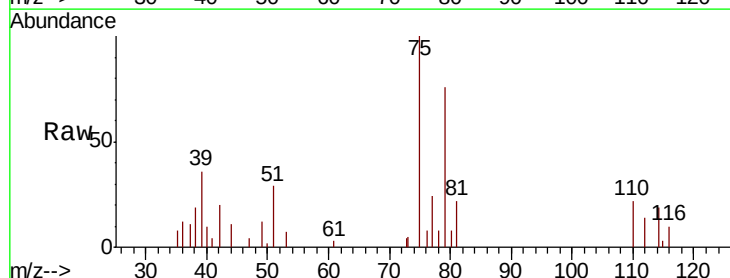
Acq: 13 Nov 2019 13:21

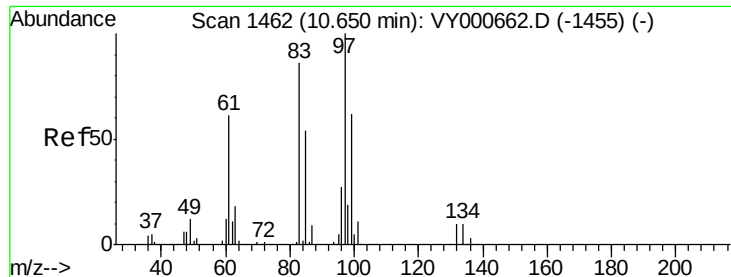
Tgt Ion: 75 Resp: 3591

Ion Ratio Lower Upper

75 100

77 23.7 20.4 37.8





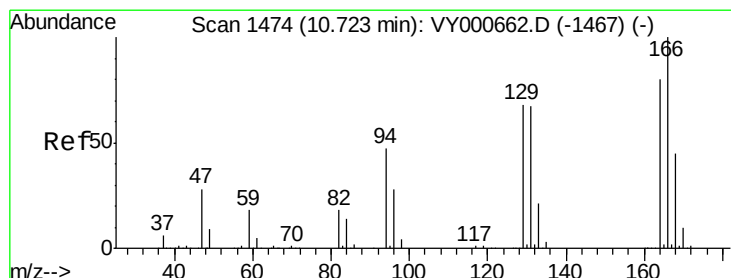
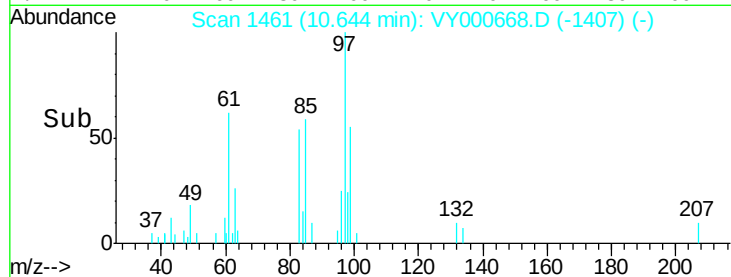
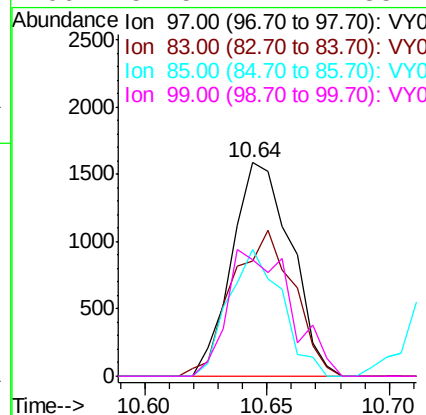
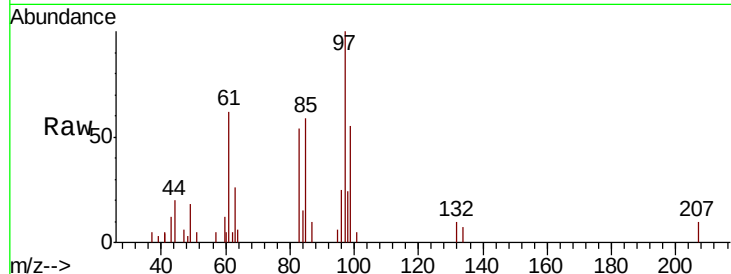
#46
 1,1,2-Trichloroethane
 Concen: 0.660 ug/L
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY000668.D
 Acq: 13 Nov 2019 13:21

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
97	100		
83	53.7	58.7	109.1#
85	59.5	37.3	69.3
99	54.5	44.7	83.1

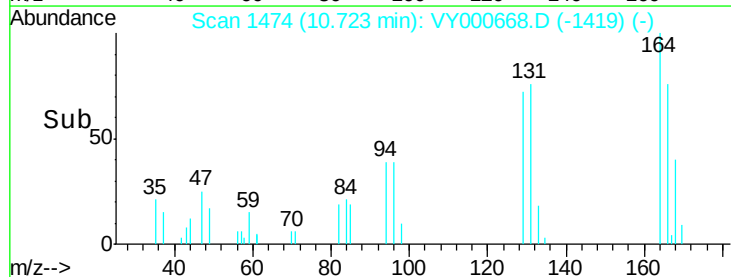
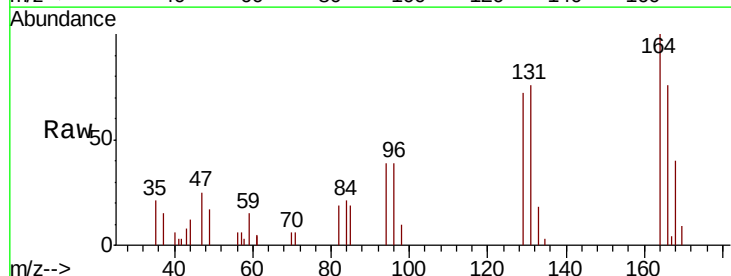
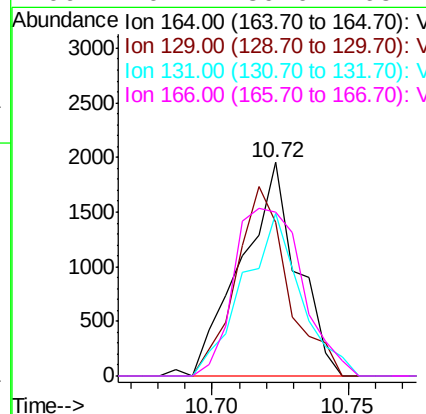
Manual Integrations
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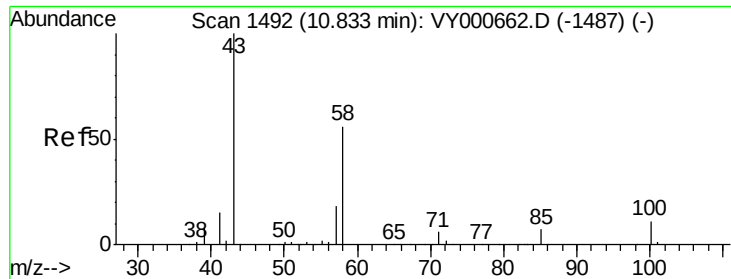
MMDADODA
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#47
 Tetrachloroethene
 Concen: 0.726 ug/L
 RT: 10.72 min Scan# 1474
 Delta R.T. 0.01 min
 Lab File: VY000668.D
 Acq: 13 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
164	100		
129	72.0	69.6	129.2
131	75.9	66.8	124.2
166	76.4	89.0	165.2#





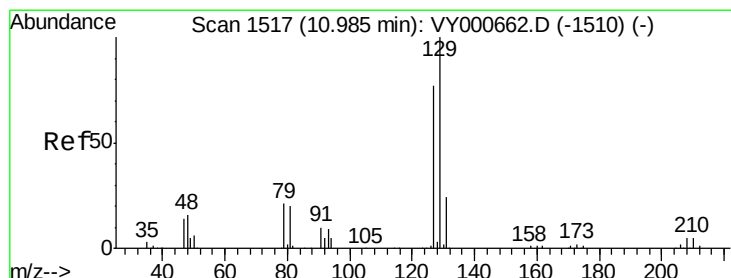
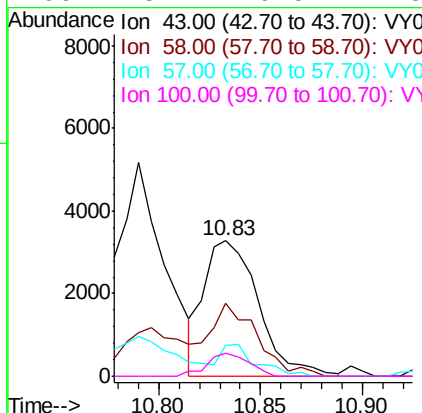
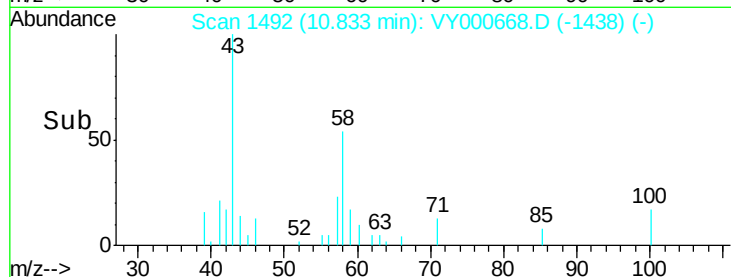
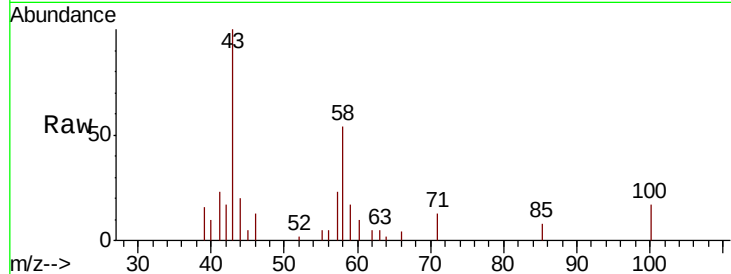
#49
2-Hexanone
Concen: 1.656 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Instrument :
MSVOA_Y
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.0	44.1	66.1
57	6.7	13.9	20.9
100	13.1	9.5	14.3

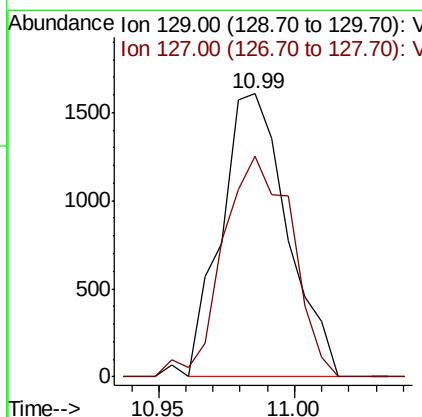
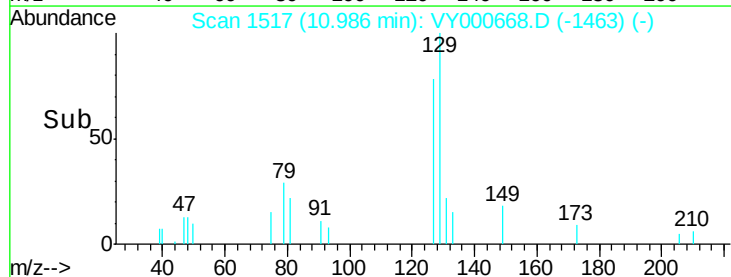
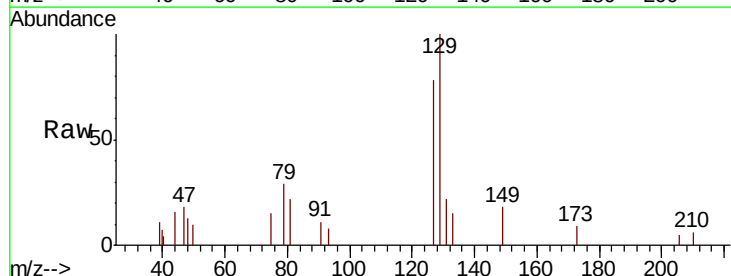
Manual Integrations
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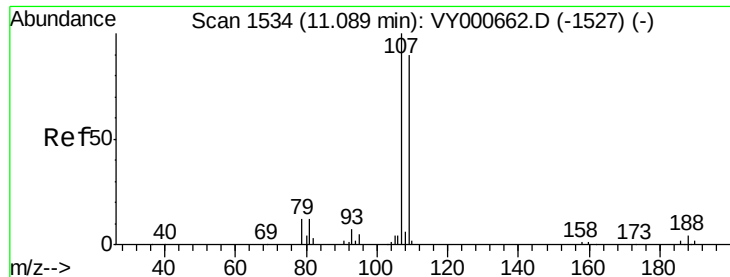
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11/19/2019 11:59:23 AM



#50
Dibromochloromethane
Concen: 0.592 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	57.9	107.5





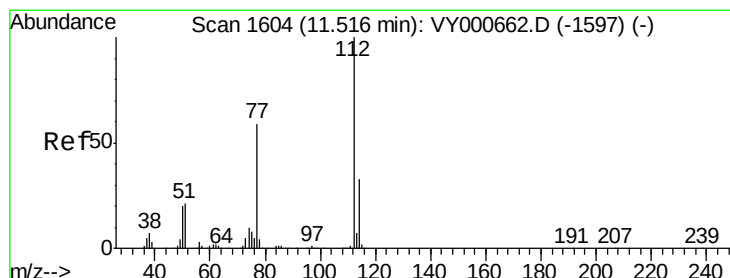
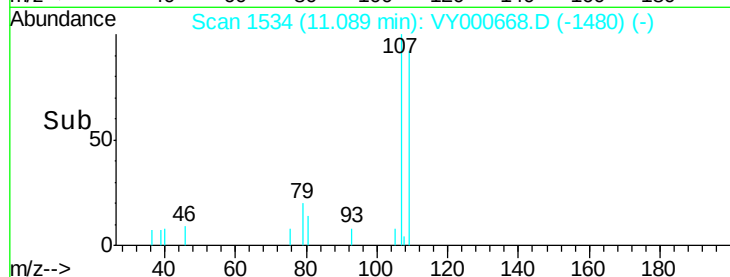
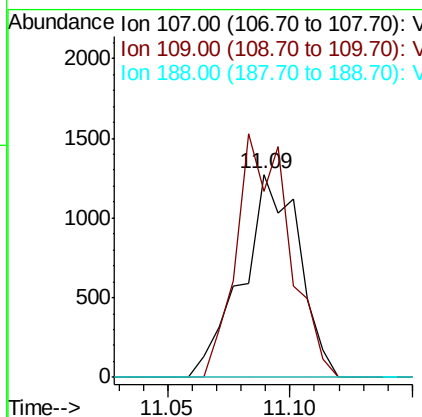
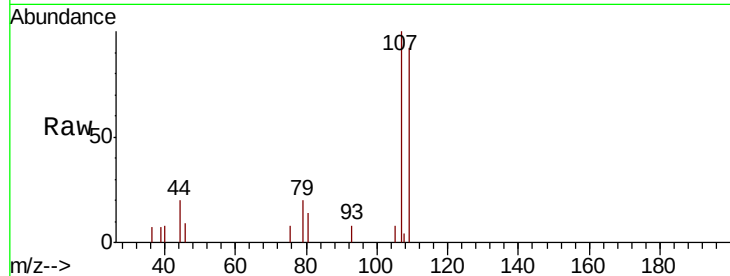
#51
1,2-Dibromoethane
Concen: 0.528 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.2	65.5	121.6
188	0.0	2.7	4.1#

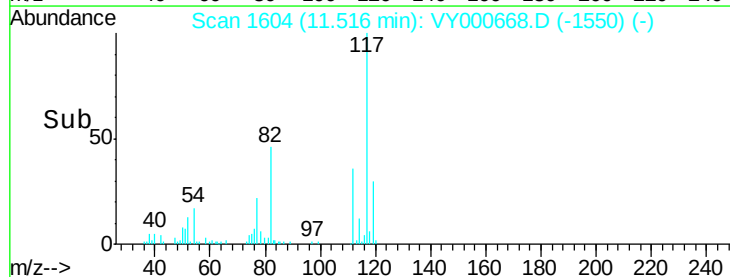
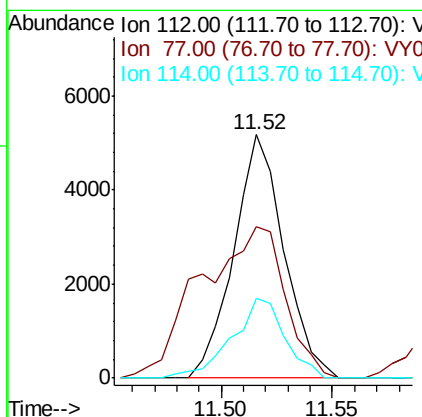
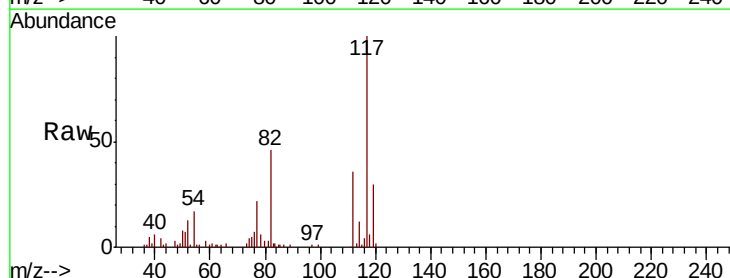
Manual Integrations
APPROVED

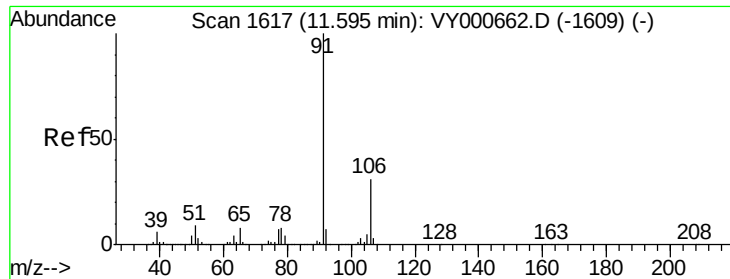
MMDADODA
11/19/2019 11:59:23 AM



#52
Chlorobenzene
Concen: 0.608 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
112	100		
77	62.0	47.4	71.0
114	33.0	23.0	42.6





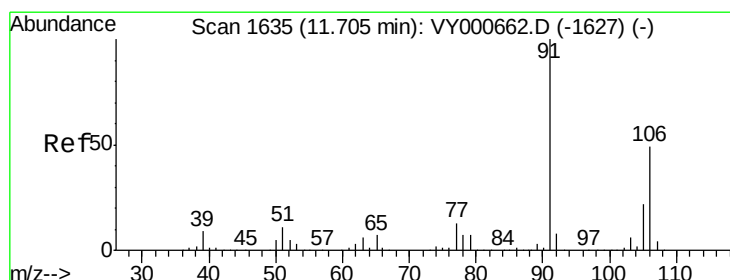
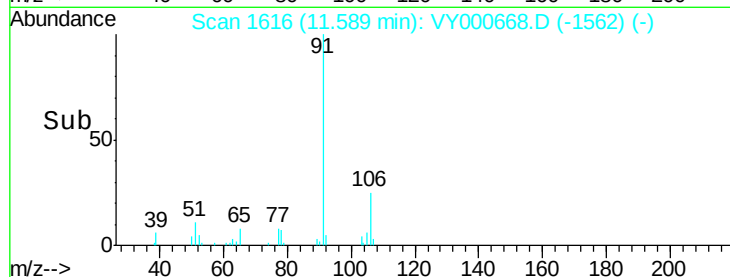
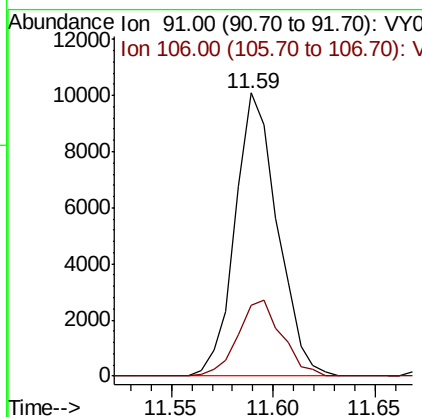
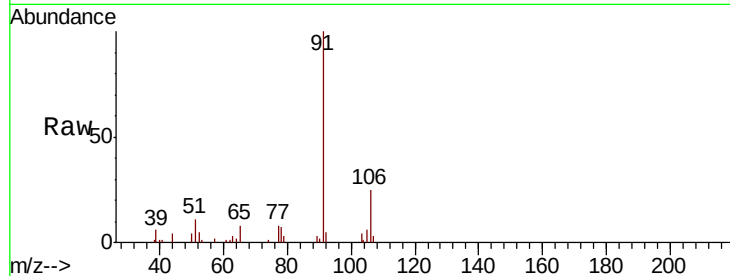
#53
Ethylbenzene
Concen: 0.611 ug/L
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Instrument :
MSVOA_Y
ClientSampled :
MDL05

Tot Ion: 91 Resp: 14565
Ion Ratio Lower Upper
91 100
106 25.2 20.9 38.7

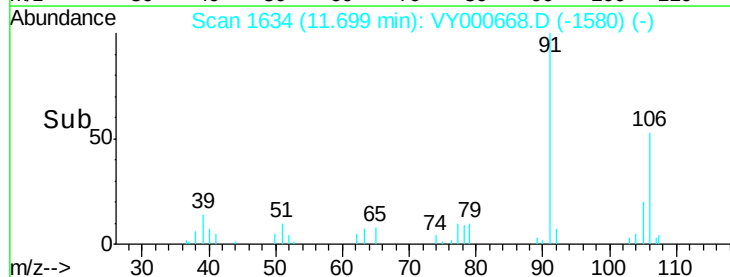
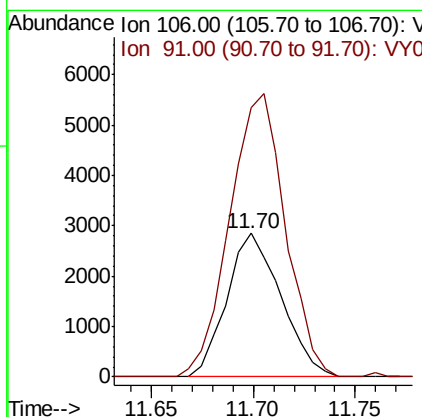
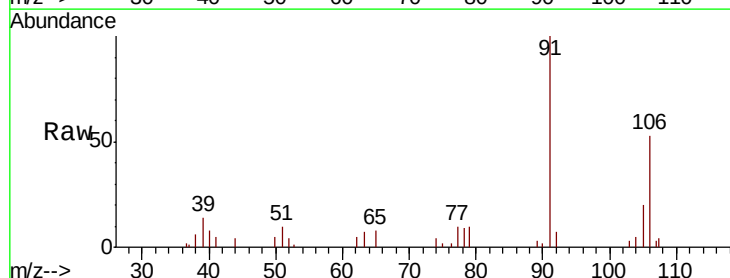
Manual Integrations
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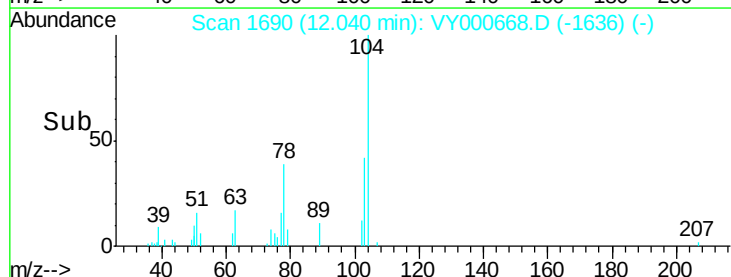
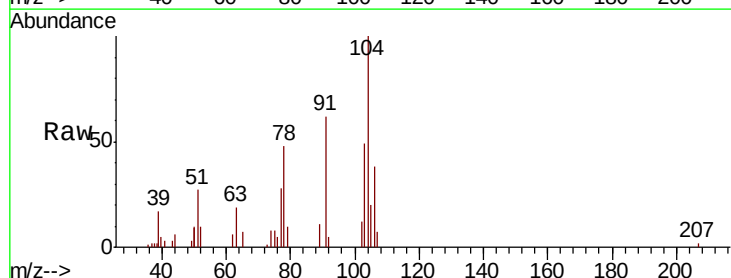
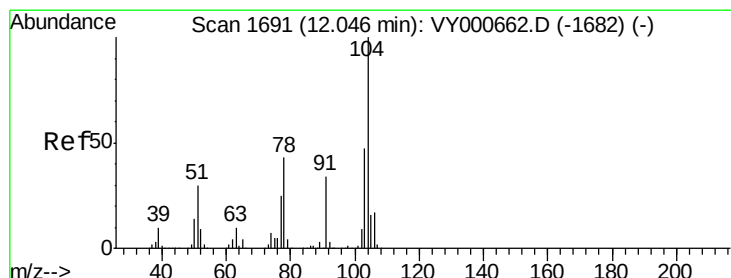
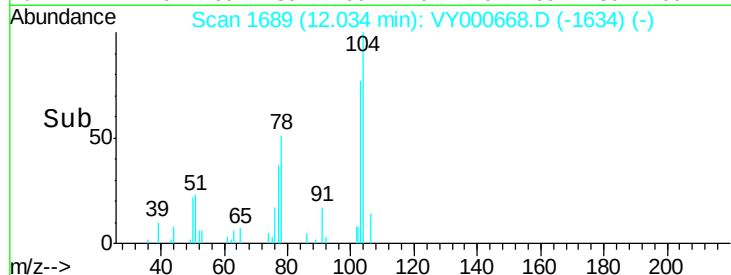
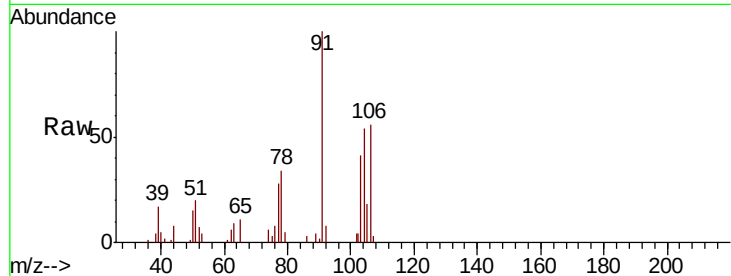
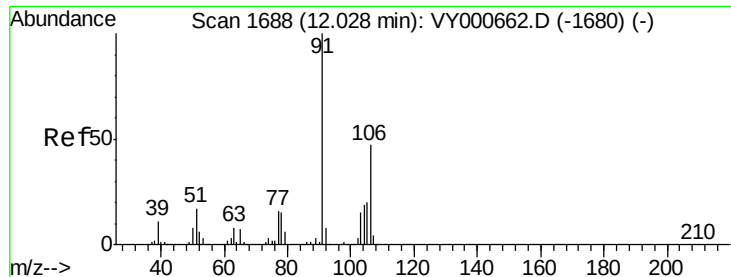
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11/19/2019 11:59:23 AM



#54
m,p-Xylene
Concen: 0.583 ug/L
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Tgt Ion: 106 Resp: 5256
Ion Ratio Lower Upper
106 100
91 187.1 137.4 255.2





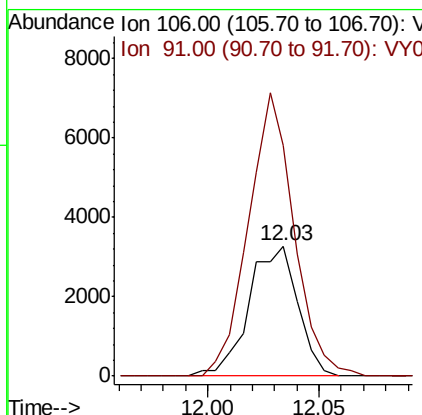
#55
o-xylene
Concen: 0.566 ug/L
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Tot Ion:106 Resp: 5008
Ion Ratio Lower Upper
106 100
91 178.2 147.8 274.6

Instrument :
MSVOA_Y
ClientSampled :
MDL05

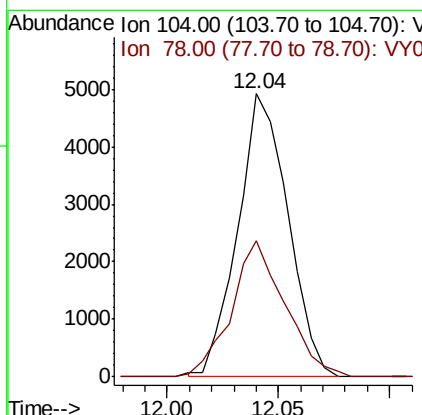
Manual Integrations
APPROVED

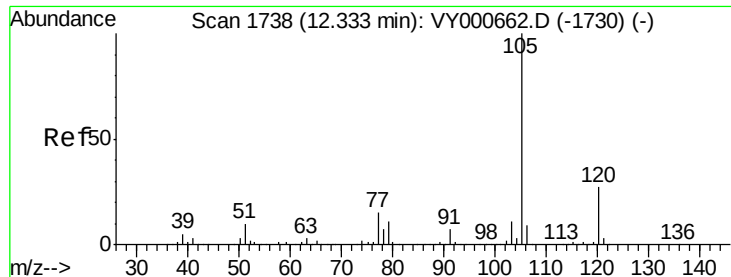
MMDADODA
11/19/2019 11:59:23 AM



#56
Styrene
Concen: 0.525 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Tgt Ion:104 Resp: 7718
Ion Ratio Lower Upper
104 100
78 48.0 31.5 58.5





#57

Isopropylbenzene

Concen: 0.582 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Instrument :

MSVOA_Y

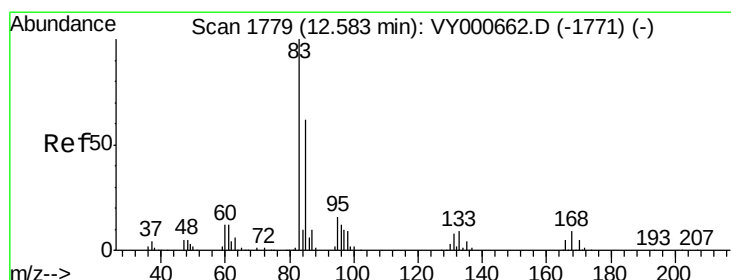
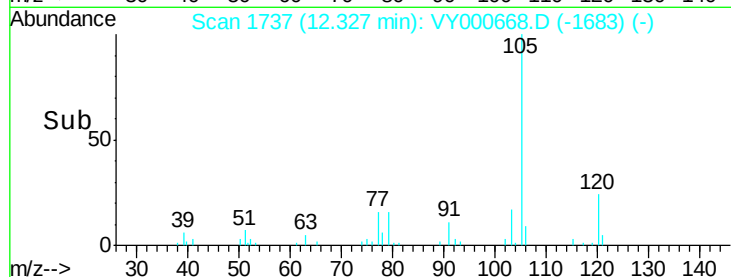
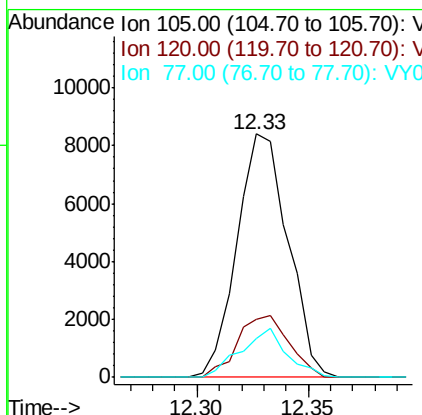
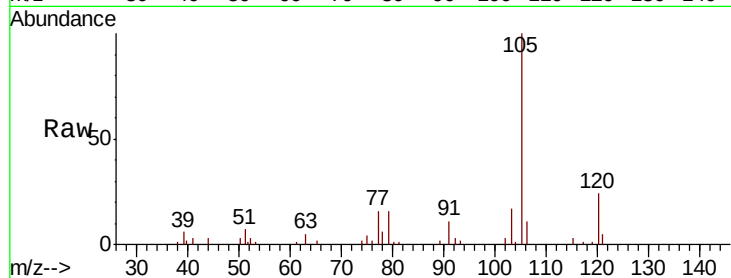
ClientSampled :

MDL05

Tot Ion:	105	Resp:	13393
Ion Ratio	Lower	Upper	
105	100		
120	25.8	21.5	32.3
77	18.0	12.6	19.0

Manual Integrations
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MMDADODA
11/19/2019 11:59:23 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 0.737 ug/L

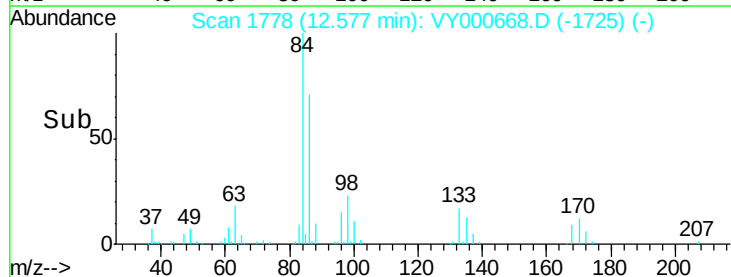
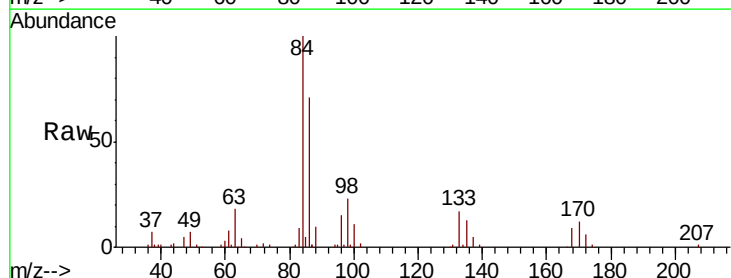
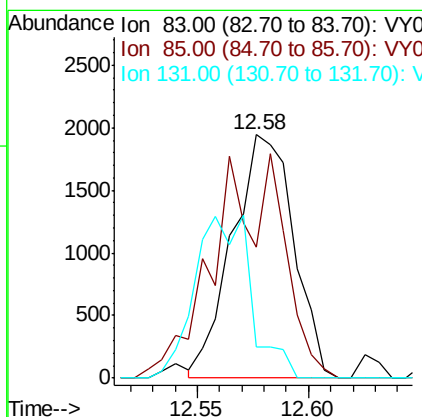
RT: 12.58 min Scan# 1778

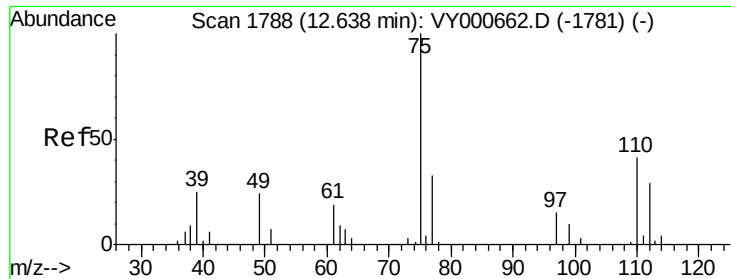
Delta R.T. -0.01 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Tgt Ion:	83	Resp:	3723
Ion Ratio	Lower	Upper	
83	100		
85	53.5	45.0	83.6
131	12.7	7.8	11.6#





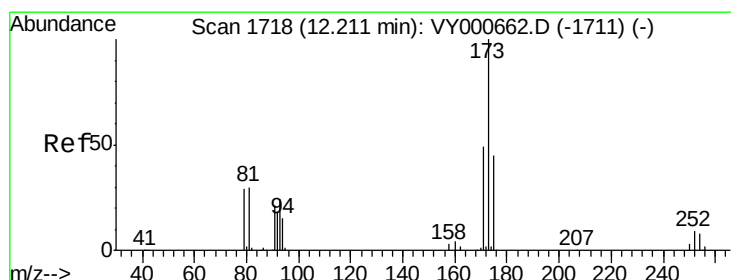
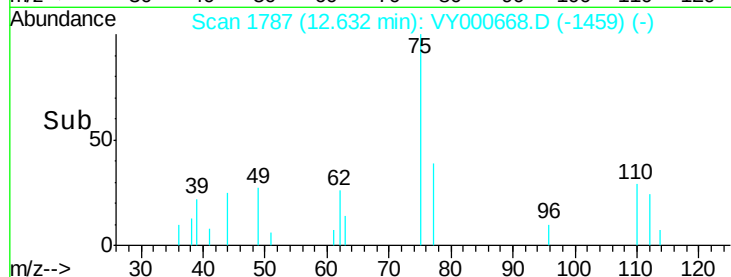
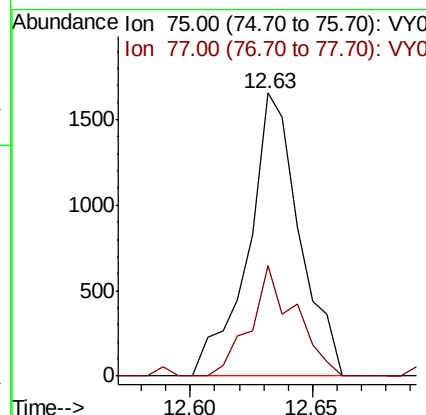
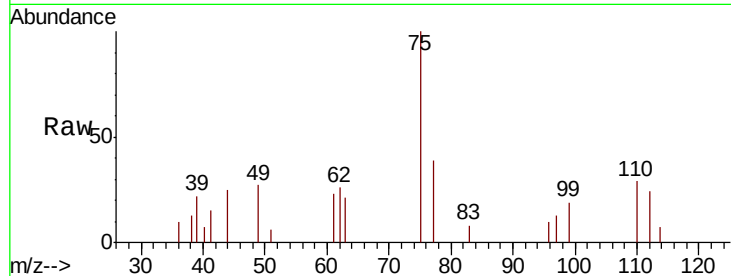
#59
 1,2,3-Trichloropropane
 Concen: 0.589 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY000668.D
 Acq: 13 Nov 2019 13:21

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL05

Tot Ion: 75 Resp: 2419
 Ion Ratio Lower Upper
 75 100
 77 34.3 26.4 39.6

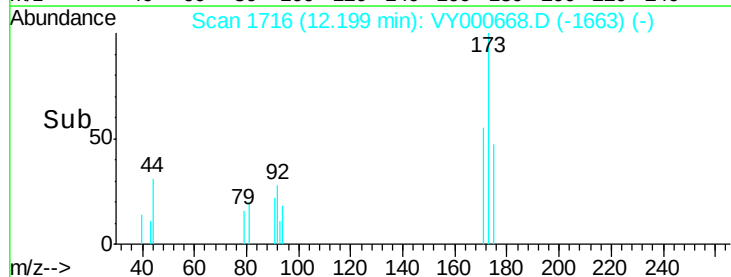
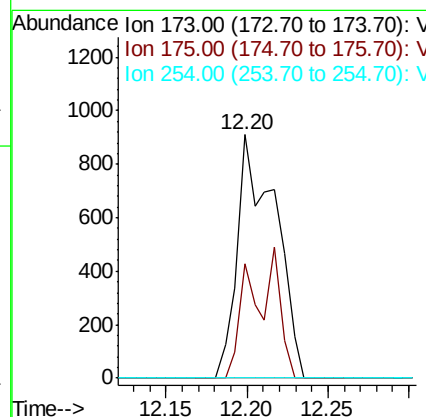
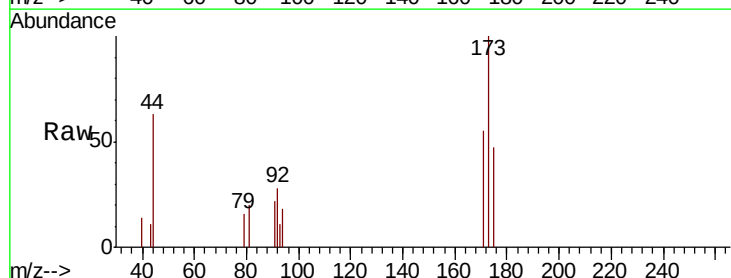
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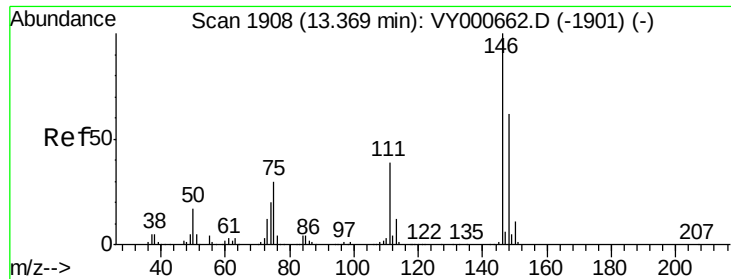
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 11/19/2019 11:59:23 AM



#62
 Bromoform
 Concen: 0.554 ug/L m
 RT: 12.20 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: VY000668.D
 Acq: 13 Nov 2019 13:21

Tgt Ion: 173 Resp: 1477
 Ion Ratio Lower Upper
 173 100
 175 25.2 37.8 56.6#
 254 0.0 7.7 11.5#





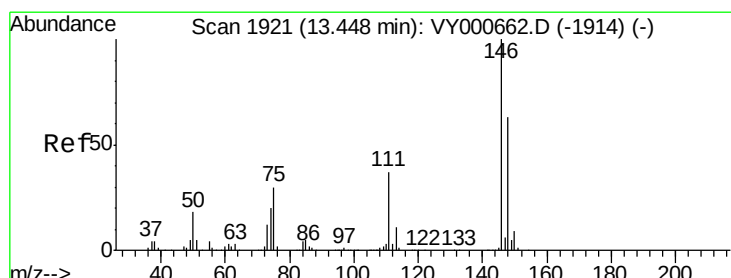
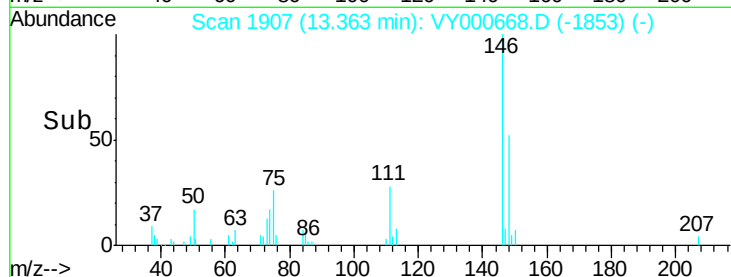
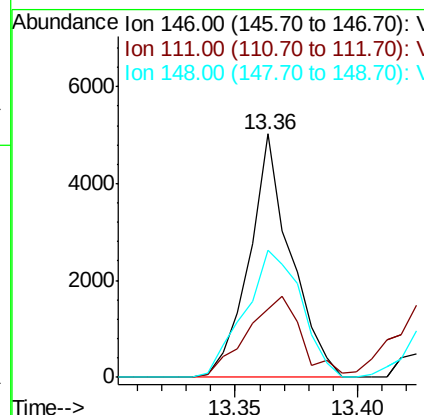
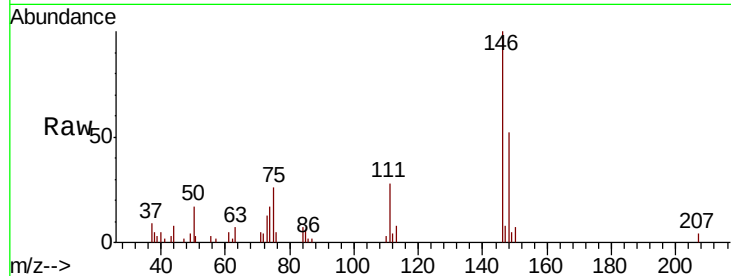
#63
 1,3-Dichlorobenzene
 Concen: 0.596 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000668.D
 Acq: 13 Nov 2019 13:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	27.8	28.8	53.6#
148	52.4	44.3	82.3

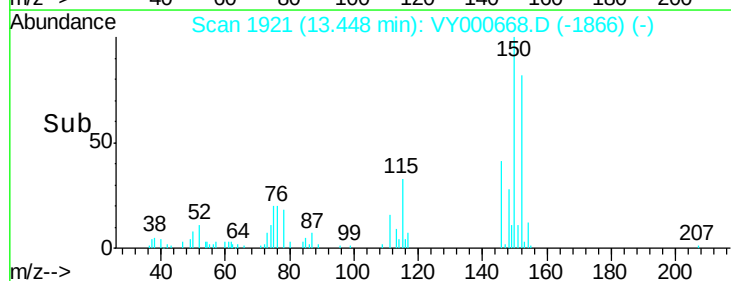
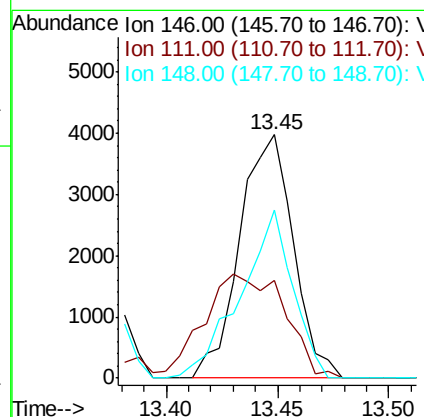
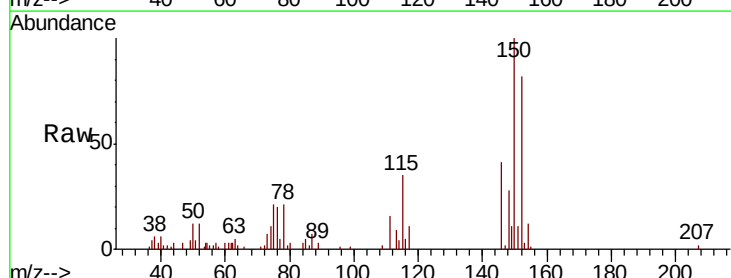
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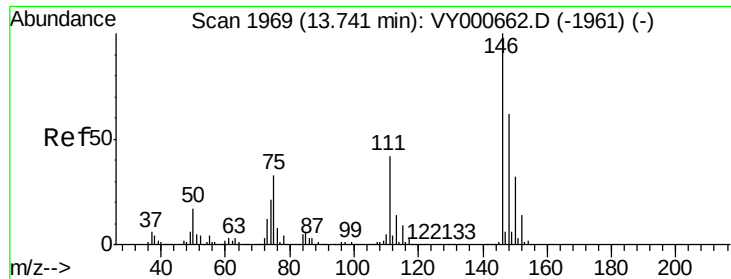
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#64
 1,4-Dichlorobenzene
 Concen: 0.667 ug/L
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000668.D
 Acq: 13 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	26.7	49.5
148	69.2	45.2	84.0





#65

1,2-Dichlorobenzene

Concen: 0.618 ug/L

RT: 13.73 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Instrument :

MSVOA_Y

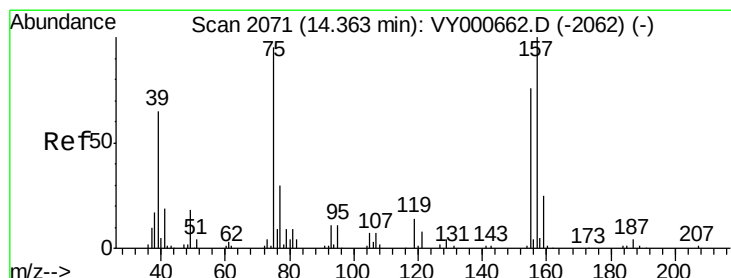
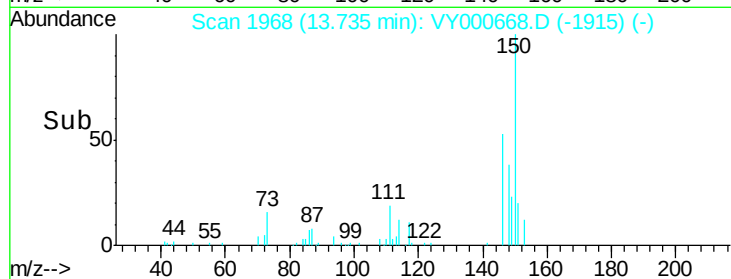
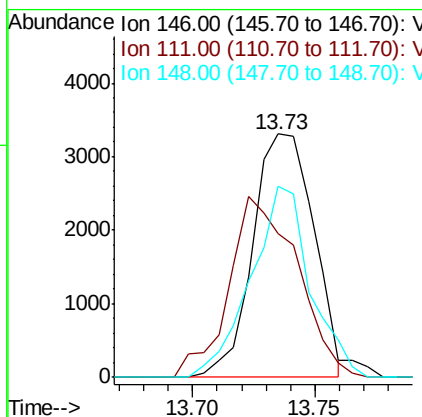
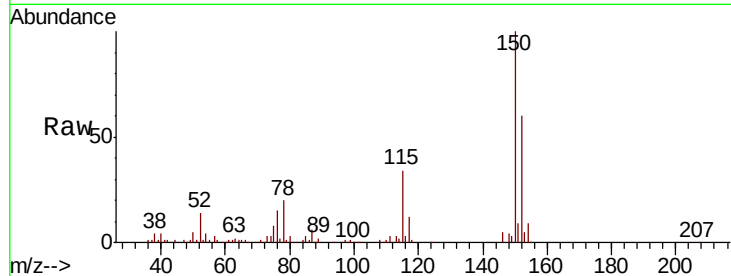
ClientSampleId :

MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	58.9	33.8	50.8#
148	78.6	51.0	76.6#

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11/19/2019 11:59:23 AM



#66

1,2-Dibromo-3-chloropropane

Concen: 0.544 ug/L m

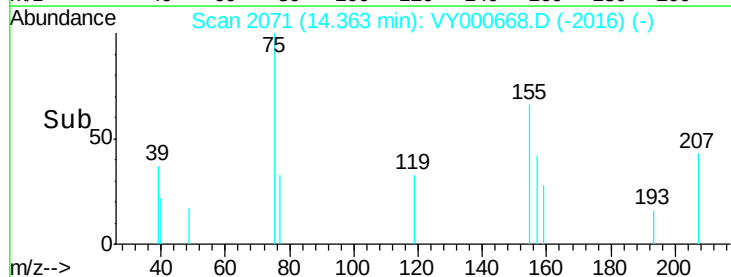
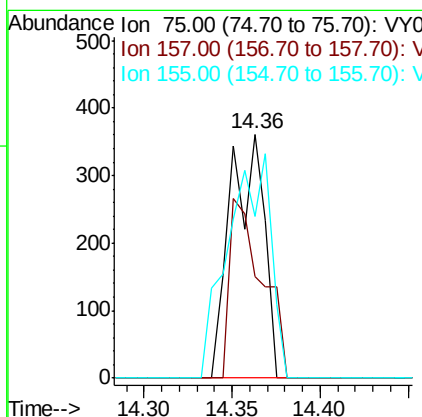
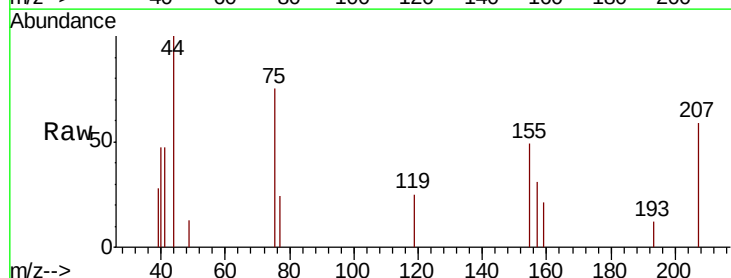
RT: 14.36 min Scan# 2071

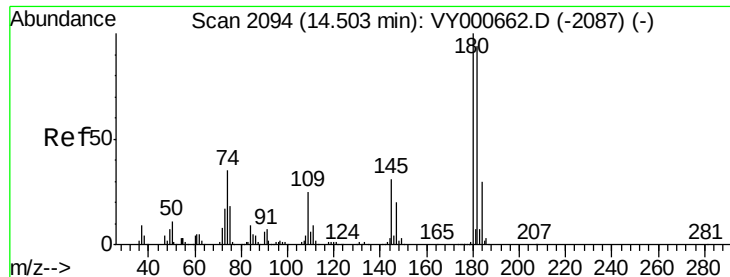
Delta R.T. 0.01 min

Lab File: VY000668.D

Acq: 13 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
157	41.8	78.1	117.1#
155	66.2	64.2	96.4





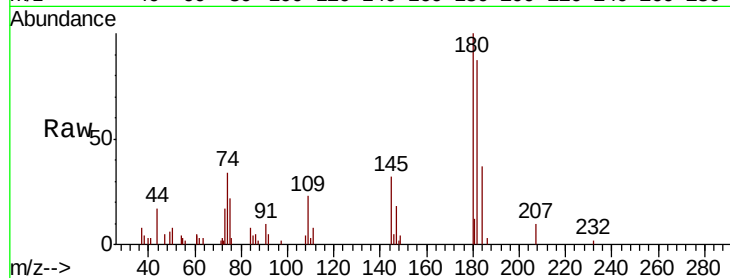
#67
 1,3,5-Trichlorobenzene
 Concen: 0.676 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000668.D
 Acq: 13 Nov 2019 13:21

Instrument :
 MSVOA_Y
 ClientSampleID :
 MDL05

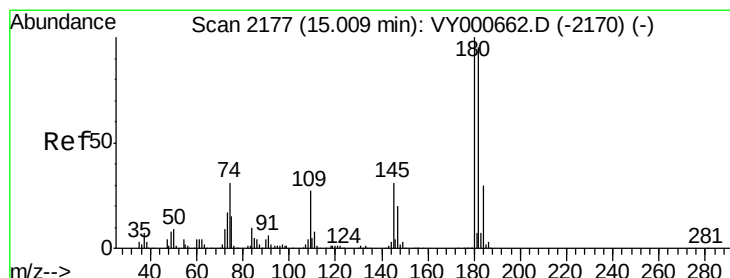
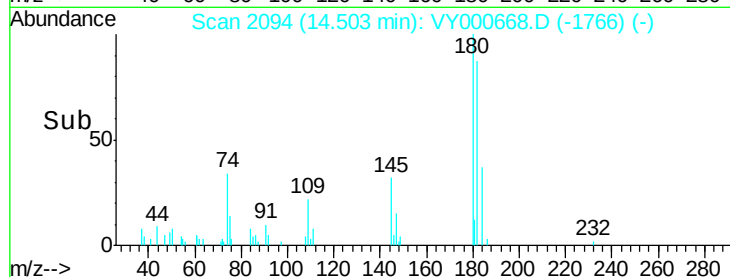
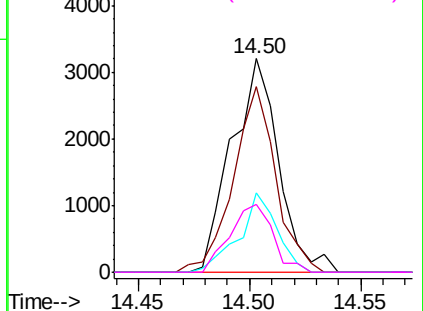
Tot Ion:	180	Resp:	4723
Ion	Ratio	Lower	Upper
180	100		
182	78.4	75.6	113.4
184	30.3	24.5	36.7
145	29.1	25.1	37.7

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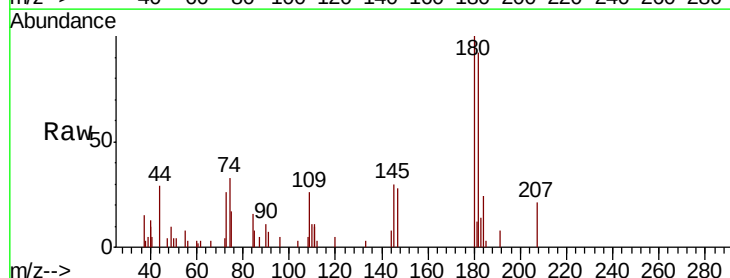


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

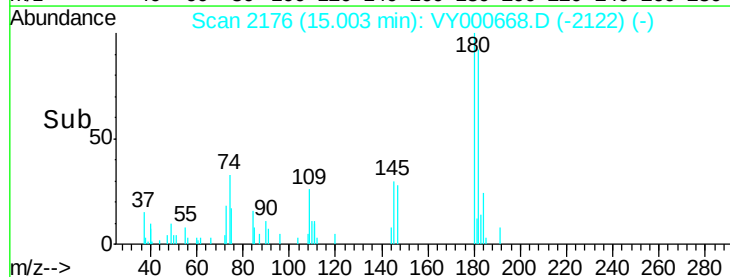
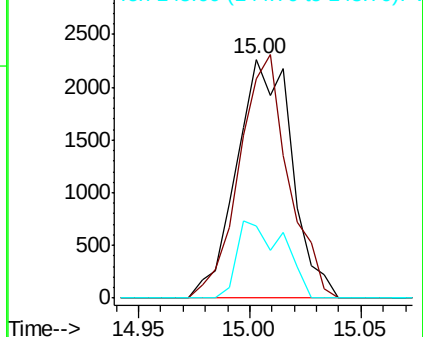


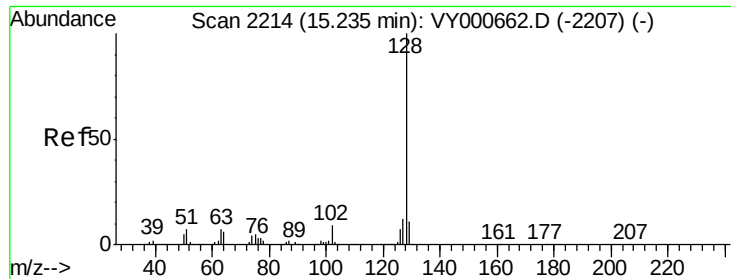
#68
 1,2,4-trichlorobenzene
 Concen: 0.627 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000668.D
 Acq: 13 Nov 2019 13:21

Tgt Ion:	180	Resp:	3915
Ion	Ratio	Lower	Upper
180	100		
182	90.5	77.5	116.3
145	27.1	25.4	38.2



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





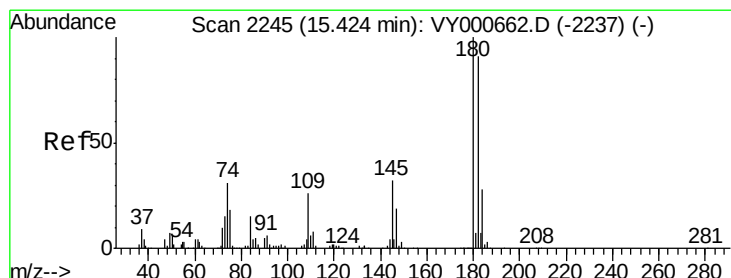
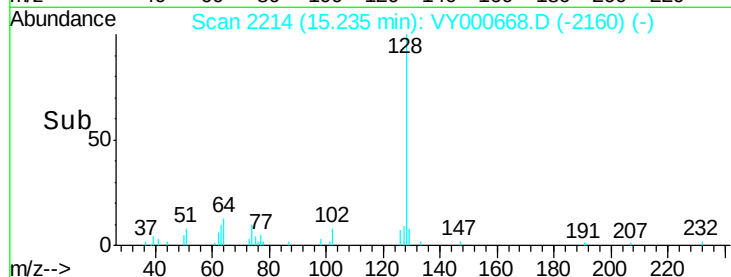
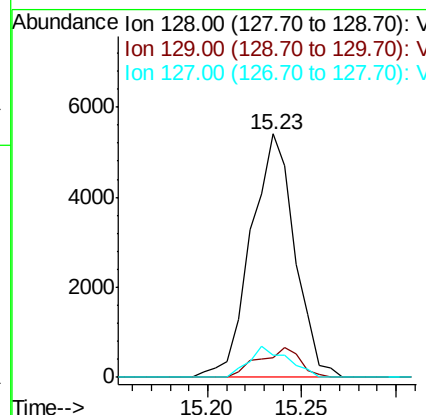
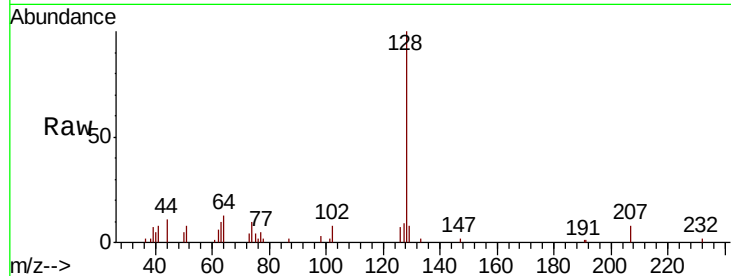
#69
Naphthalene
Concen: 0.559 ug/L
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	Ratio	Resp	Lower	Upper
128	100	8699		
129	7.8		8.4	12.6#
127	11.4		9.8	14.6

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#70
1,2,3-Trichlorobenzene
Concen: 0.564 ug/L
RT: 15.42 min Scan# 2244
Delta R.T. -0.01 min
Lab File: VY000668.D
Acq: 13 Nov 2019 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	3274		
182	100.9		76.2	114.4
145	42.5		26.6	39.8#

