

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111319\
 Data File : VY000669.D
 Acq On : 13 Nov 2019 13:42
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 11:59:46 AM

Quant Time: Nov 14 08:39:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 14 08:31:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	342380	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	311970	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	145494	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	106647	22.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.24%
7) Chloroethane-d5	2.77	69	97177	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.48%
10) 1,1-Dichloroethene-d2	3.86	63	147921	16.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.24%
20) 2-Butanone-d5	6.91	46	82127	41.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.32%
24) Chloroform-d	7.49	84	192668	21.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	8.16	65	115281	22.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.52%
29) Benzene-d6	8.12	84	414496	22.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.52%
33) 1,2-Dichloropropane-d6	9.13	67	127096	22.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.52%
37) Toluene-d8	10.18	98	367453	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.84%
38) trans-1,3-Dichloropropene-	10.44	79	56191	21.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.84%
39) 2-Hexanone-d5	10.79	63	64502	42.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.06%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	111170	20.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.52%
61) 1,2-Dichlorobenzene-d4	13.72	152	129328	22.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	2586	0.572 ug/L	83
3) Chloromethane	2.12	50	3565	0.629 ug/L	94
5) Vinyl chloride	2.26	62	3536	0.625 ug/L #	60
6) Bromomethane	2.66	94	2086m	0.675 ug/L	
8) Chloroethane	2.80	64	1996	0.562 ug/L #	82
9) Trichlorofluoromethane	3.13	101	4785	0.597 ug/L	91
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	3541m	0.779 ug/L	
12) 1,1-Dichloroethene	3.88	96	3714m	0.837 ug/L	
13) Acetone	3.96	43	3966	2.717 ug/L	81
14) Carbon disulfide	4.21	76	6357	0.464 ug/L #	91
15) Methyl Acetate	4.50	43	1644m	0.492 ug/L	
16) Methylene chloride	4.72	84	14151	2.504 ug/L	88
17) Methyl tert-butyl Ether	5.24	73	6851m	0.507 ug/L	
18) trans-1,2-Dichloroethene	5.23	96	2950m	0.595 ug/L	
19) 1,1-Dichloroethane	6.04	63	4629	0.531 ug/L #	76
22) cis-1,2-Dichloroethene	7.00	96	2782	0.507 ug/L #	45
23) Bromochloromethane	7.34	128	1138m	0.475 ug/L	

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

25) Chloroform	7.52	83	10963	1.166	ug/L #	75
27) 1,2-Dichloroethane	8.25	62	3919	0.623	ug/L #	91
31) 1,1,1-Trichloroethane	7.71	97	4269m	0.555	ug/L	
32) Carbon tetrachloride	7.91	117	4341	0.648	ug/L	95
34) Benzene	8.18	78	12222	0.599	ug/L	100
35) Trichloroethene	8.94	95	3099m	0.579	ug/L	
36) Methylcyclohexane	9.19	83	4969	0.543	ug/L	93
40) 1,2-Dichloropropane	9.23	63	2900	0.561	ug/L #	96
41) Bromodichloromethane	9.50	83	3545	0.533	ug/L #	95
42) cis-1,3-Dichloropropene	9.94	75	4215	0.506	ug/L	92
43) 4-Methyl-2-pentanone	10.08	43	5725	1.158	ug/L	92
44) Toluene	10.25	91	12670	0.575	ug/L	84
45) trans-1,3-Dichloropropene	10.46	75	3145	0.440	ug/L	86
46) 1,1,2-Trichloroethane	10.65	97	2597	0.613	ug/L #	80
47) Tetrachloroethene	10.72	164	2507	0.628	ug/L	79
49) 2-Hexanone	10.84	43	4820	1.252	ug/L	98
50) Dibromochloromethane	10.99	129	2296	0.479	ug/L	86
51) 1,2-Dibromoethane	11.10	107	2280	0.553	ug/L #	83
52) Chlorobenzene	11.52	112	7239	0.517	ug/L	99
53) Ethylbenzene	11.60	91	13069	0.524	ug/L	98
54) m,p-Xylene	11.70	106	4783	0.507	ug/L	93
55) o-xylene	12.03	106	4767	0.514	ug/L	94
56) Styrene	12.04	104	6927	0.450	ug/L	82
57) Isopropylbenzene	12.33	105	12195	0.506	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.58	83	3229	0.610	ug/L #	94
59) 1,2,3-Trichloropropane	12.63	75	2159m	0.502	ug/L	
62) Bromoform	12.21	173	1299	0.470	ug/L #	95
63) 1,3-Dichlorobenzene	13.36	146	5512	0.531	ug/L	92
64) 1,4-Dichlorobenzene	13.44	146	5801	0.559	ug/L #	92
65) 1,2-Dichlorobenzene	13.74	146	5636	0.586	ug/L #	89
66) 1,2-Dibromo-3-chloropropan	14.36	75	432m	0.473	ug/L	
67) 1,3,5-Trichlorobenzene	14.50	180	4303m	0.595	ug/L	
68) 1,2,4-trichlorobenzene	15.00	180	3456	0.534	ug/L #	90
69) Naphthalene	15.23	128	8293	0.515	ug/L #	88
70) 1,2,3-Trichlorobenzene	15.42	180	3579	0.595	ug/L	97

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

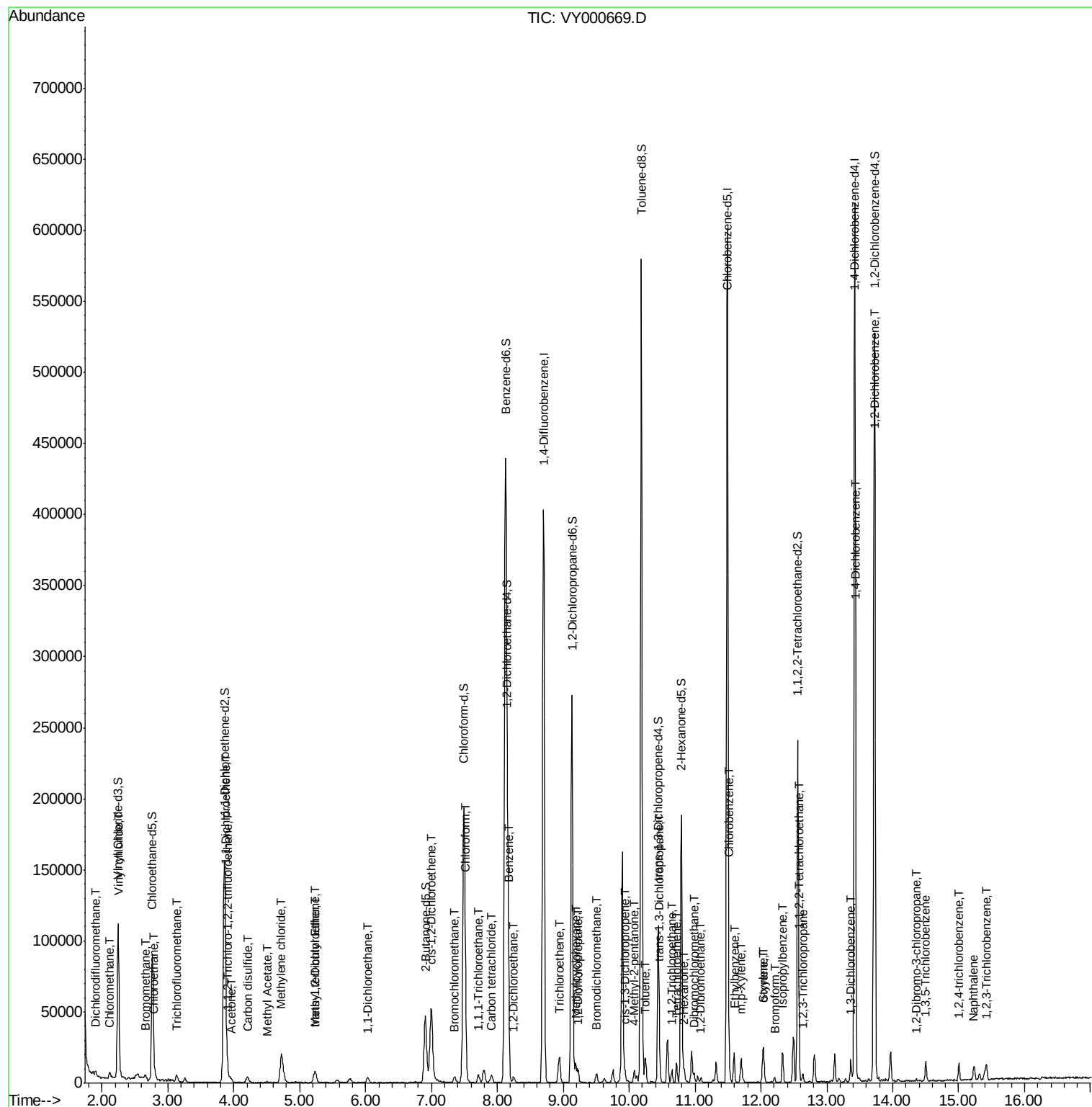
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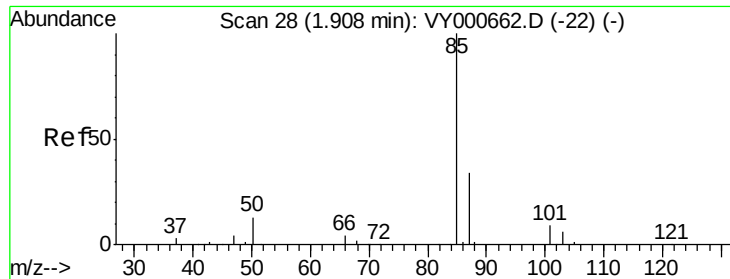
Instrument :
MSVOA_Y
ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 0.572 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion: 85 Resp: 2586

Ion Ratio Lower Upper

85 100

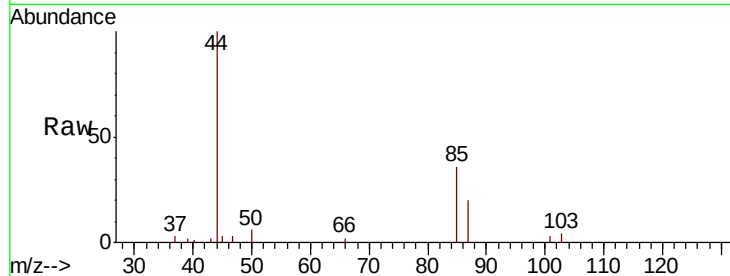
87 42.0 22.7 42.1

Manual Integrations

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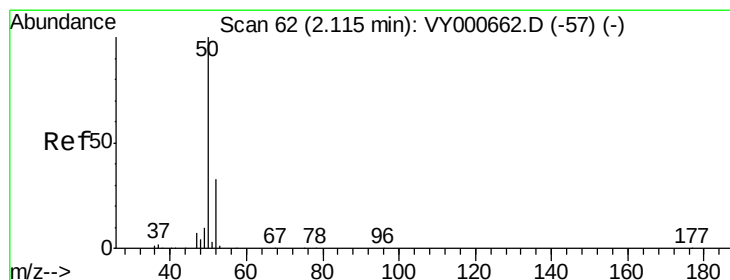
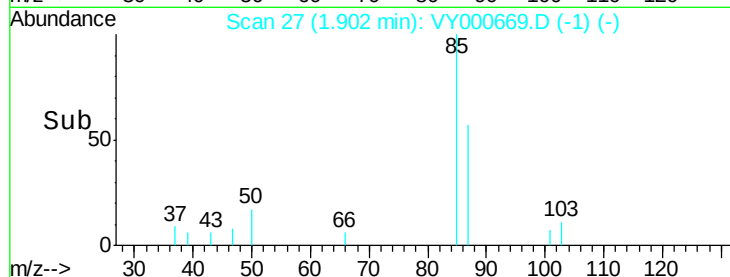
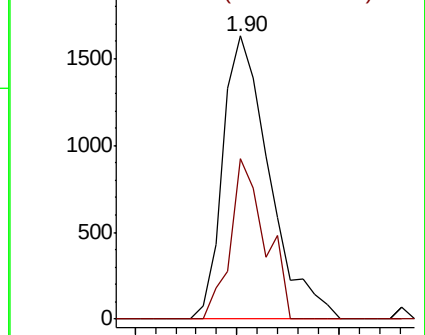
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Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 0.629 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000669.D

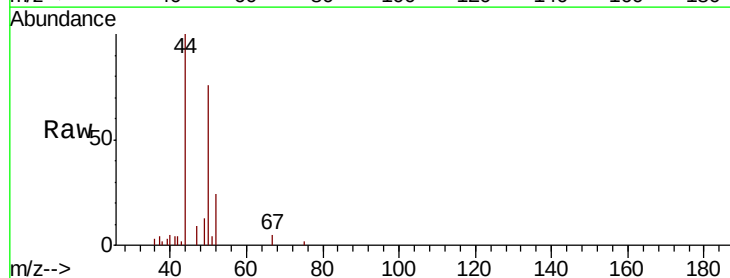
Acq: 13 Nov 2019 13:42

Tgt Ion: 50 Resp: 3565

Ion Ratio Lower Upper

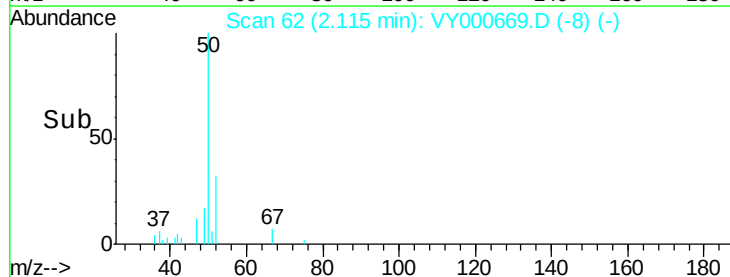
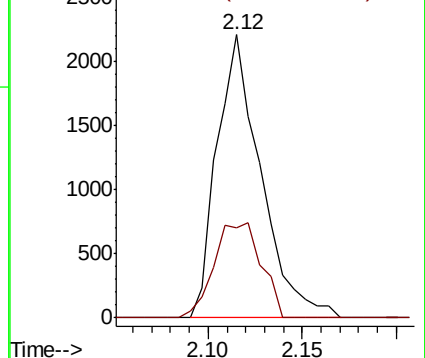
50 100

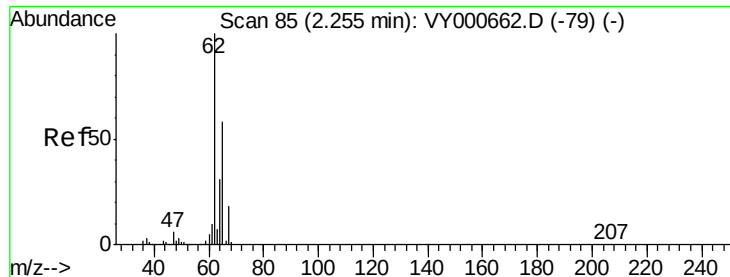
52 31.9 24.9 46.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 0.625 ug/L

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion: 62 Resp: 3536

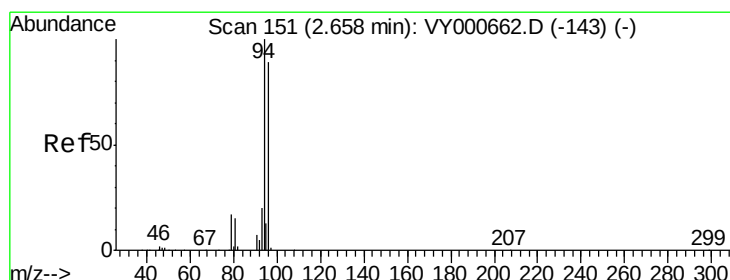
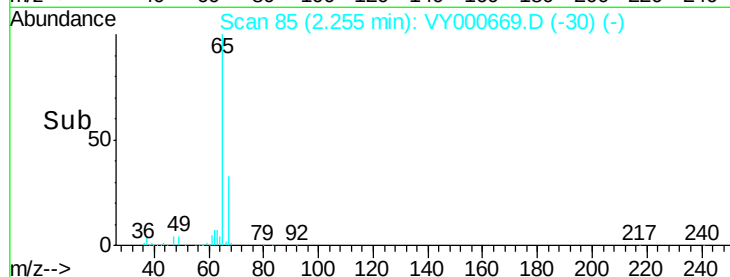
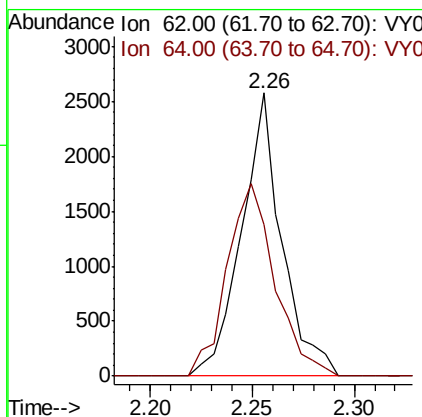
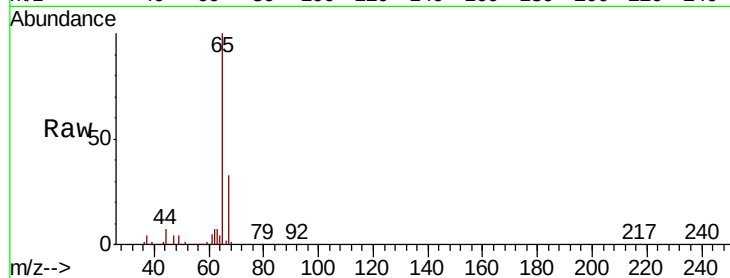
Ion Ratio Lower Upper

62 100

64 53.8 22.0 40.8#

Manual Integrations
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#6

Bromomethane

Concen: 0.675 ug/L m

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY000669.D

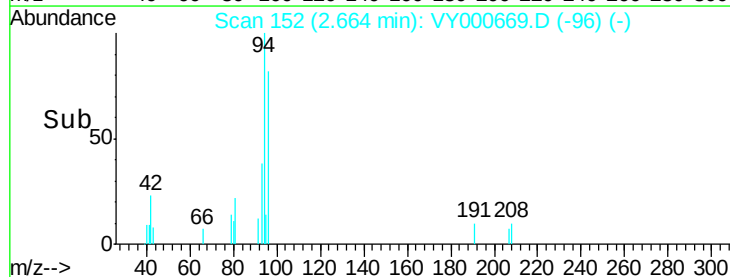
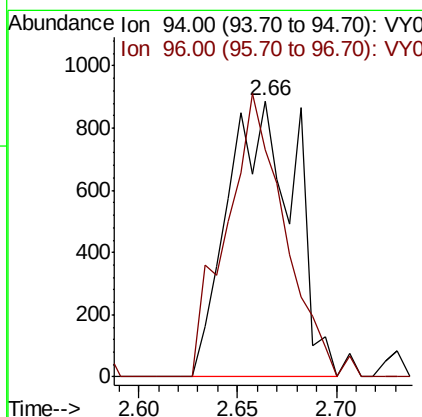
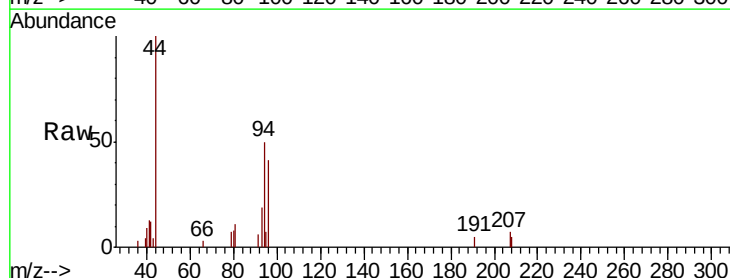
Acq: 13 Nov 2019 13:42

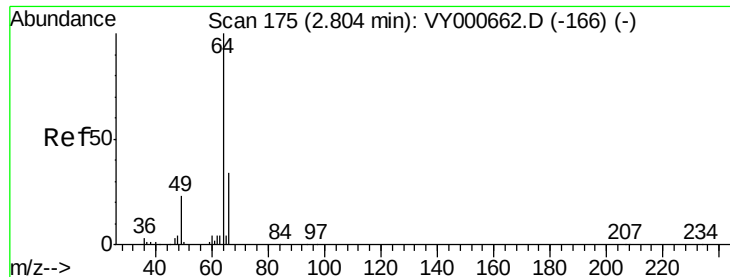
Tgt Ion: 94 Resp: 2086

Ion Ratio Lower Upper

94 100

96 88.5 9.8 185.6





#8

Chloroethane

Concen: 0.562 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Instrument :

MSVOA_Y

ClientSampled :

MDL06

Tot Ion: 64 Resp: 1996

Ion Ratio Lower Upper

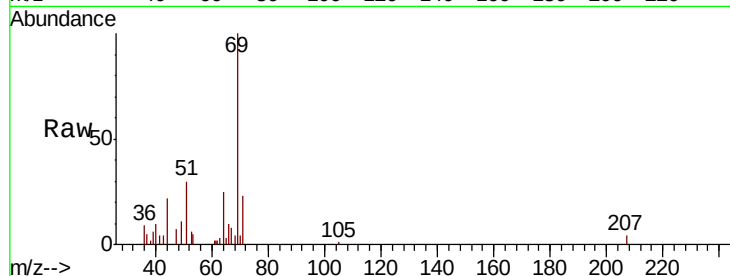
64 100

66 41.8 22.2 41.2#

Manual Integrations
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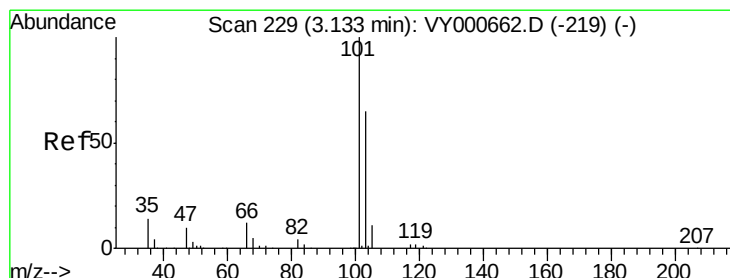
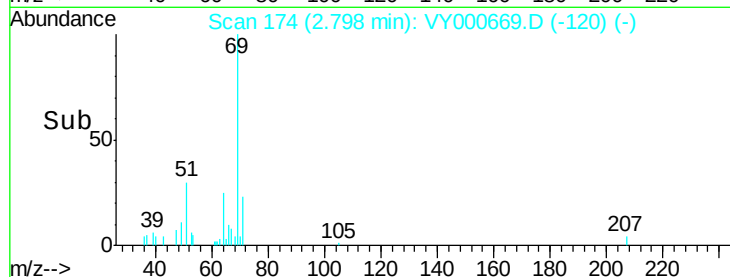
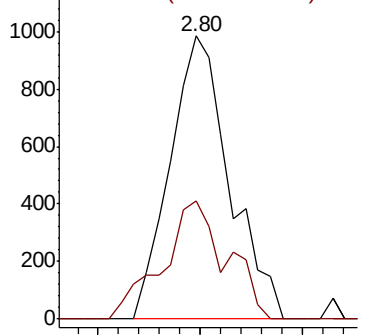
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Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 0.597 ug/L

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY000669.D

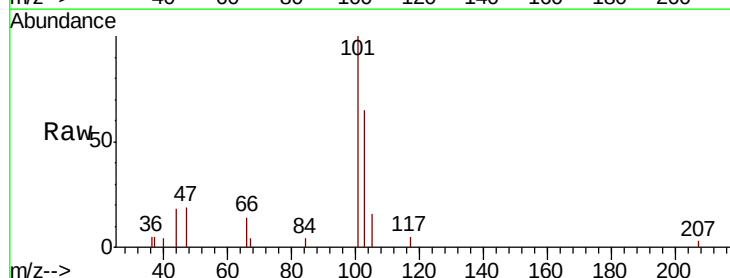
Acq: 13 Nov 2019 13:42

Tgt Ion: 101 Resp: 4785

Ion Ratio Lower Upper

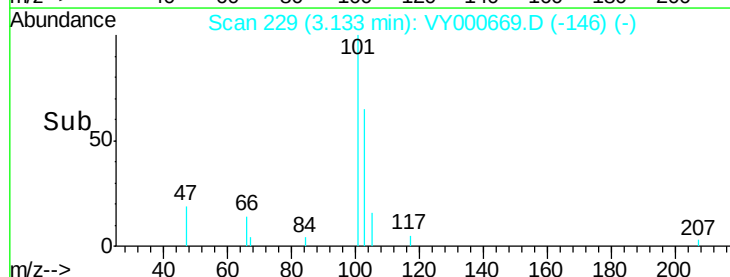
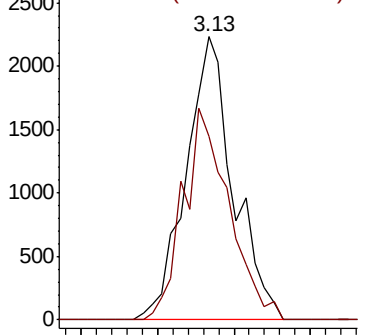
101 100

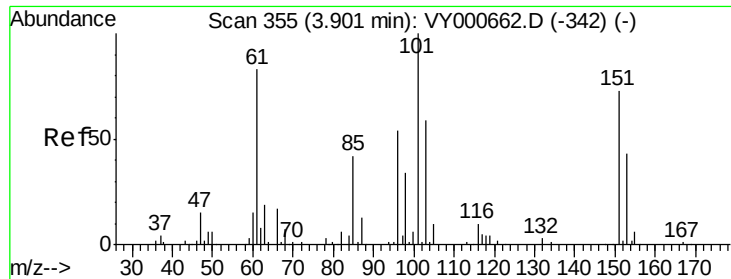
103 72.1 45.8 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 0.779 ug/L m

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Instrument :

MSVOA_Y

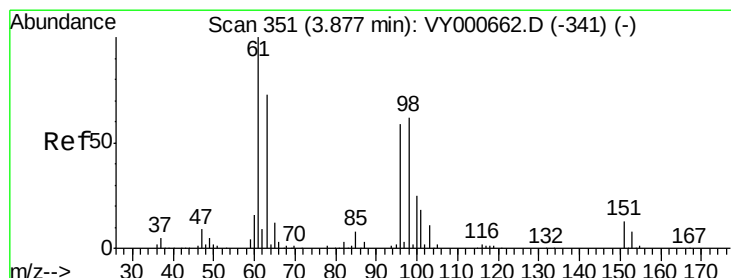
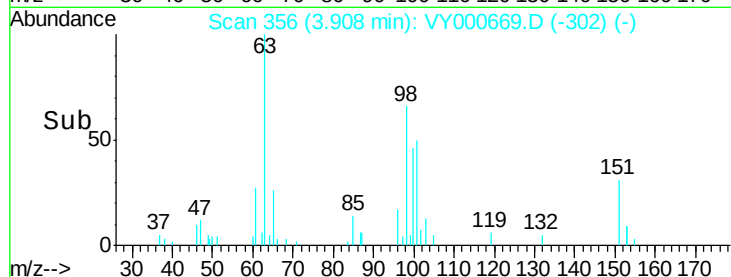
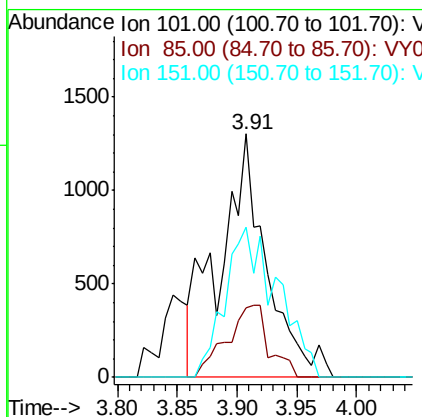
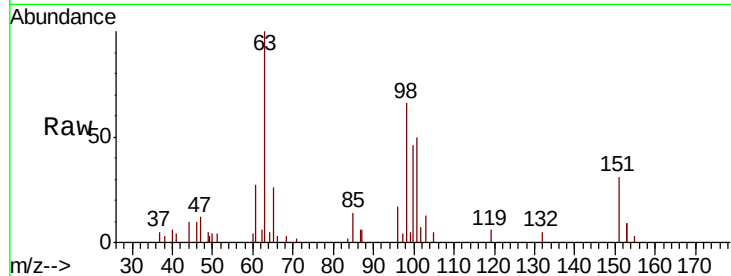
ClientSampled :

MDL06

Tot Ion:	101	Resp:	3541
Ion Ratio	Lower	Upper	
101	100		
85	16.0	35.3	52.9#
151	49.7	61.9	92.9#

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#12

1,1-Dichloroethene

Concen: 0.837 ug/L m

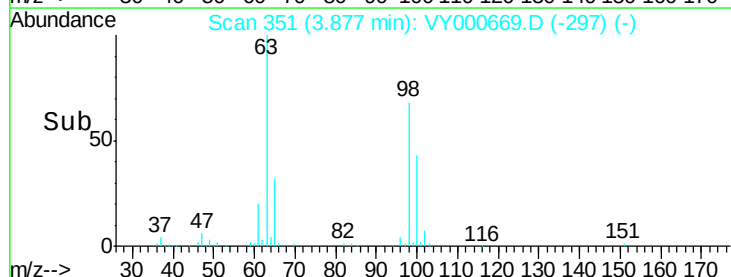
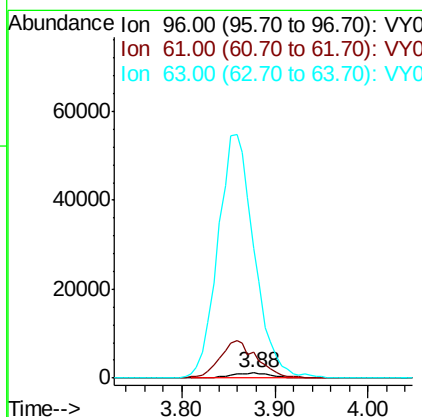
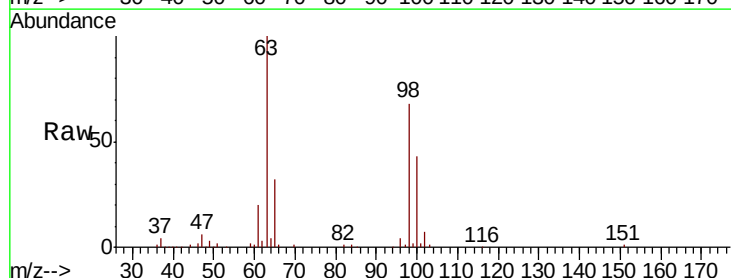
RT: 3.88 min Scan# 351

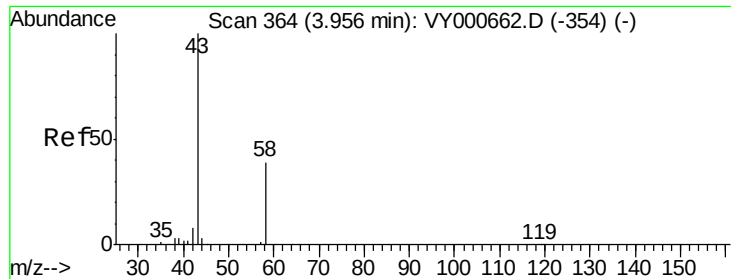
Delta R.T. 0.00 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Tgt Ion:	96	Resp:	3714
Ion Ratio	Lower	Upper	
96	100		
61	510.3	113.5	210.9#
63	2593.6	94.3	175.1#





#13

Acetone

Concen: 2.717 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 3966

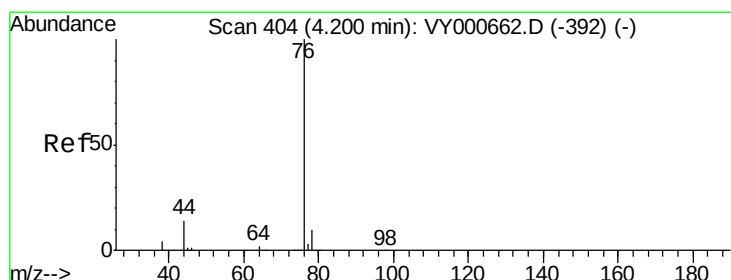
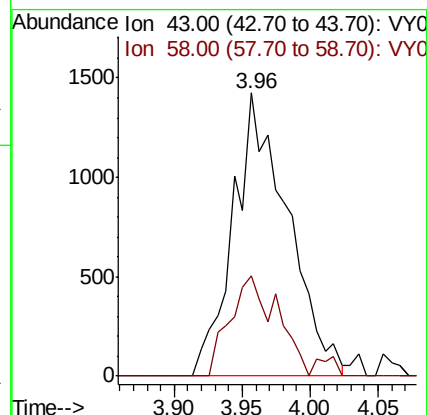
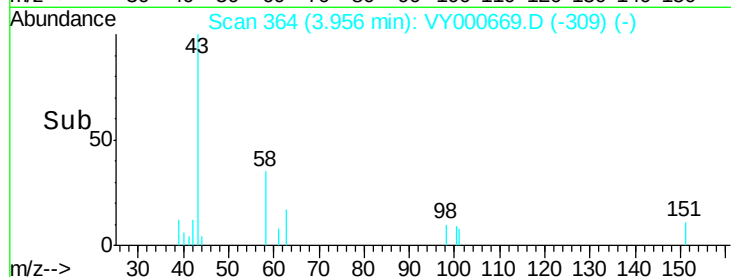
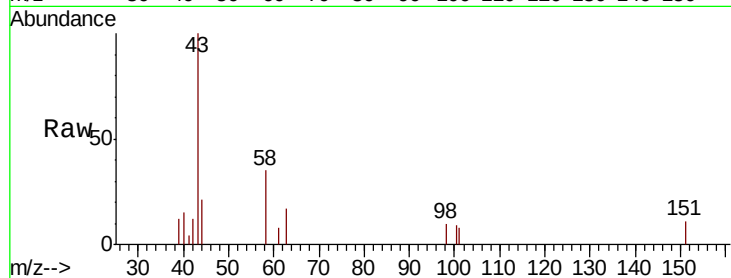
Ion Ratio Lower Upper

43 100

58 22.0 0.0 64.8

Manual Integrations
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#14

Carbon disulfide

Concen: 0.464 ug/L

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY000669.D

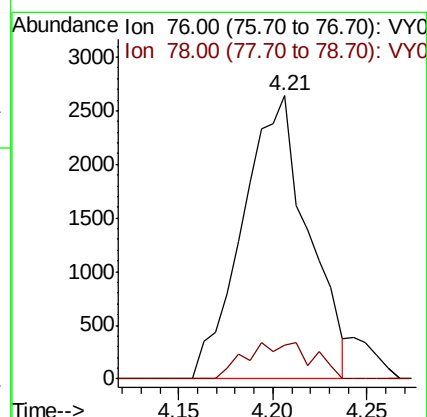
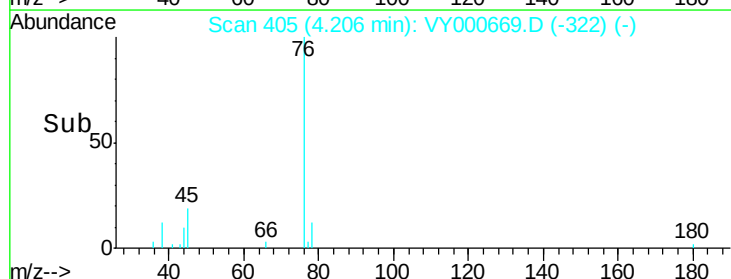
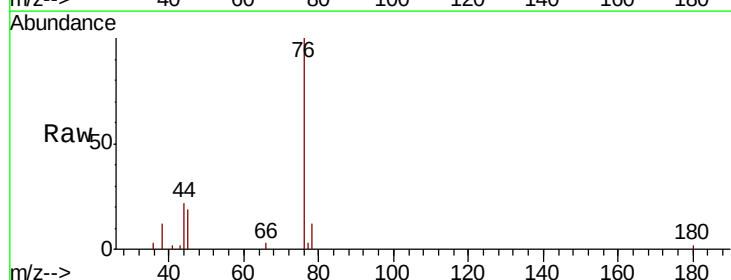
Acq: 13 Nov 2019 13:42

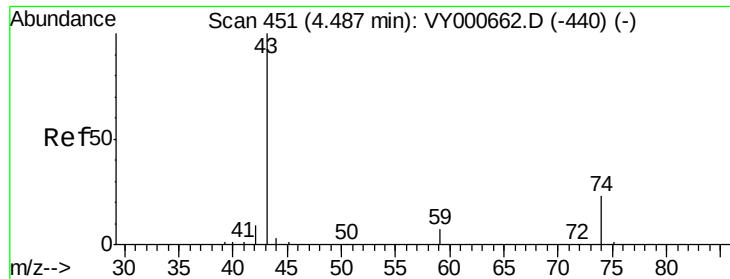
Tgt Ion: 76 Resp: 6357

Ion Ratio Lower Upper

76 100

78 12.0 7.0 10.6#





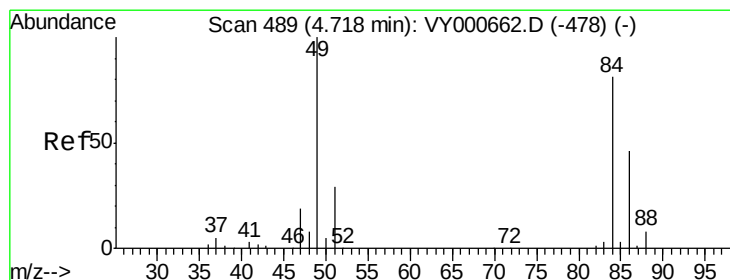
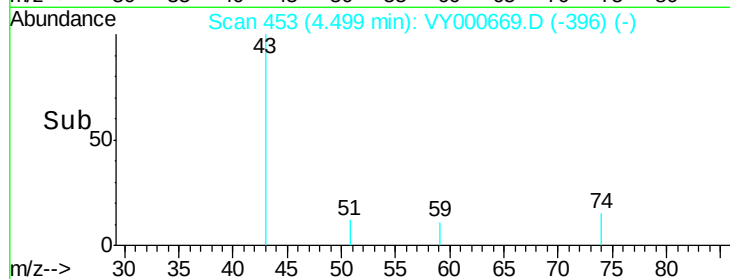
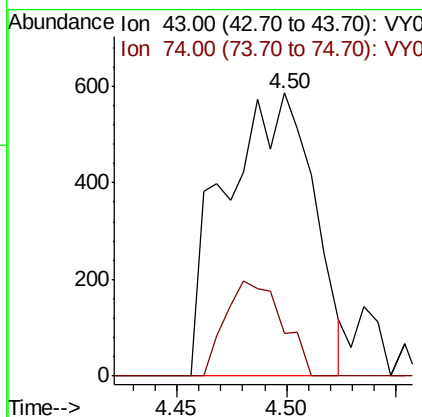
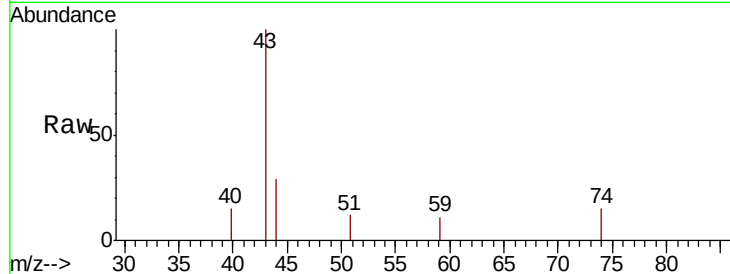
#15
Methyl Acetate
Concen: 0.492 ug/L m
RT: 4.50 min Scan# 453
Delta R.T. 0.02 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Instrument :
MSVOA_Y
ClientSampled :
MDL06

Tot Ion: 43 Resp: 1644
Ion Ratio Lower Upper
43 100
74 21.4 18.1 27.1

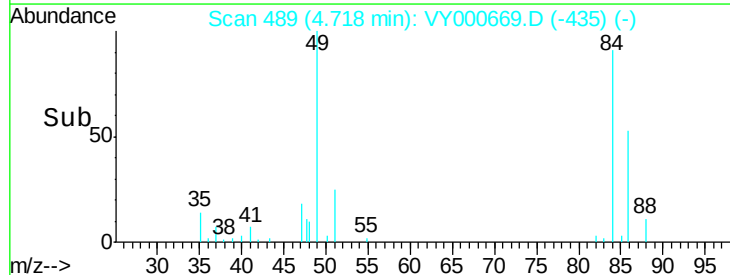
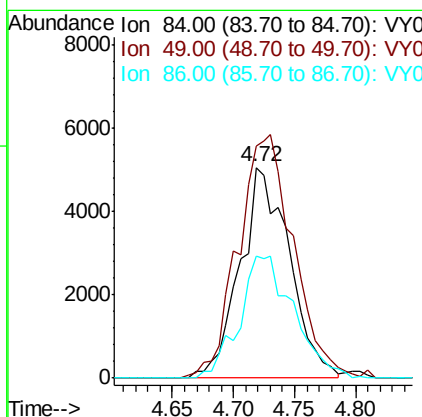
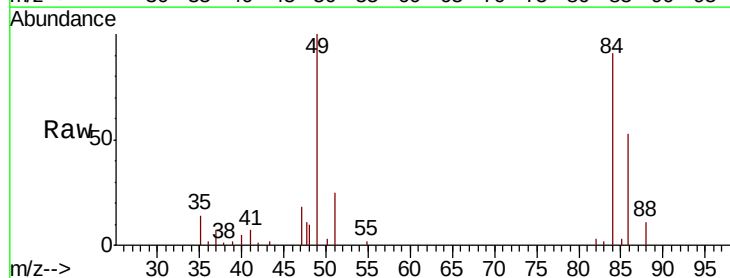
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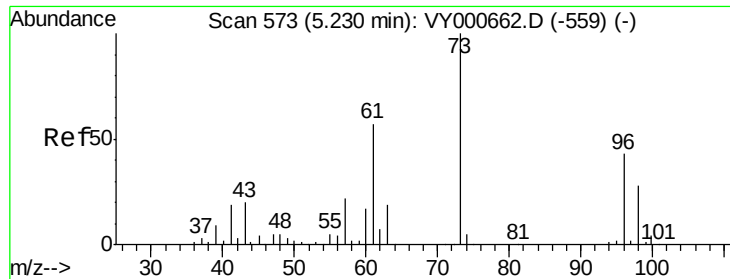
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#16
Methylene chloride
Concen: 2.504 ug/L
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Tgt Ion: 84 Resp: 14151
Ion Ratio Lower Upper
84 100
49 110.1 88.8 165.0
86 58.1 43.9 81.5





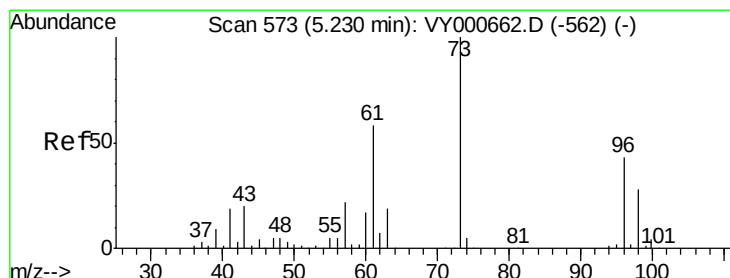
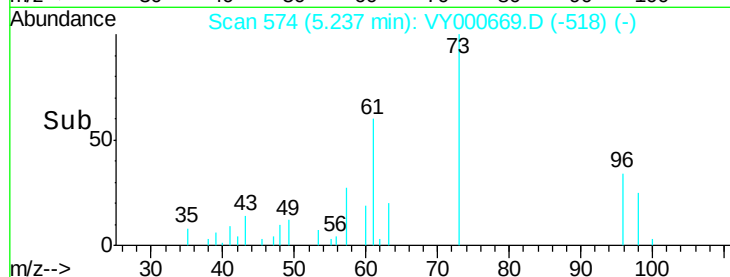
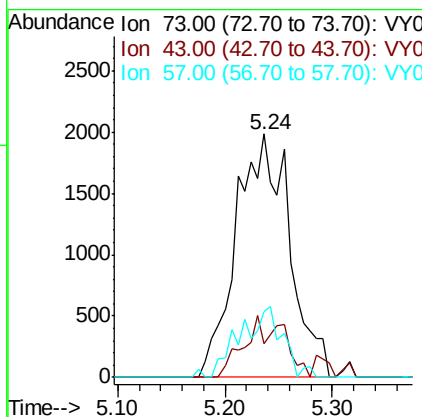
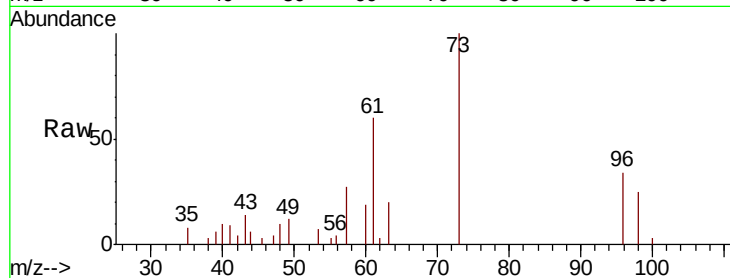
#17
Methyl tert-butyl Ether
Concen: 0.507 ug/L m
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Instrument :
MSVOA_Y
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
73	100		
43	5.7	15.4	23.0#
57	12.8	17.5	26.3#

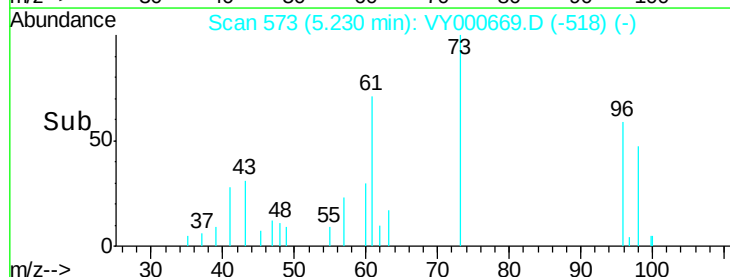
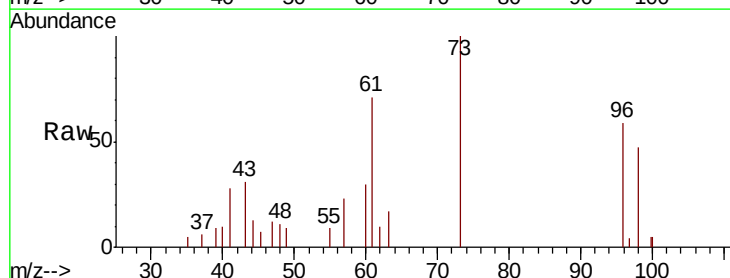
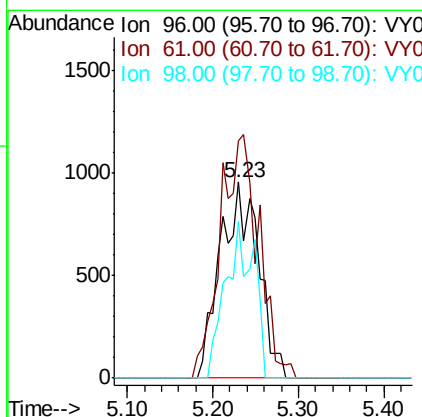
Manual Integrations
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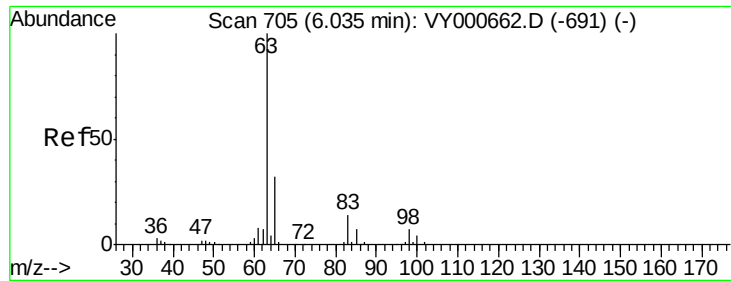
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#18
trans-1,2-Dichloroethene
Concen: 0.595 ug/L m
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.0	91.8	170.4
98	79.8	46.3	85.9





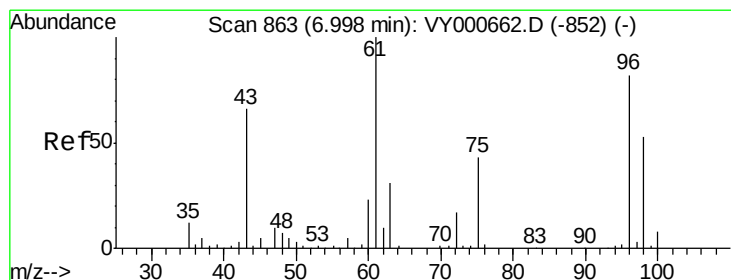
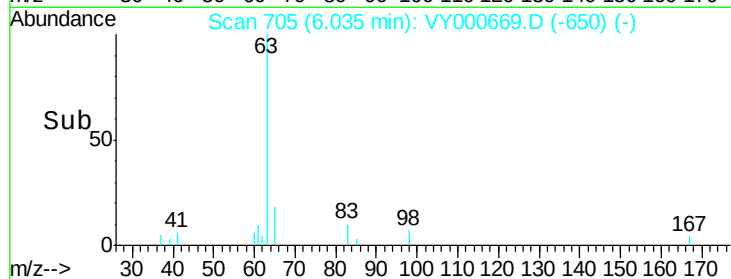
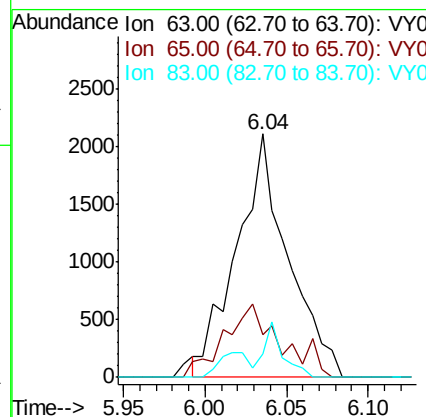
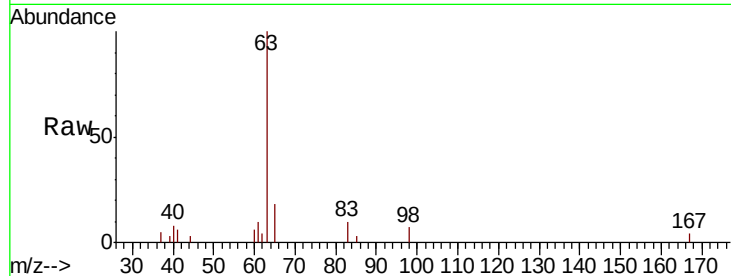
#19
 1,1-Dichloroethane
 Concen: 0.531 ug/L
 RT: 6.04 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VY000669.D
 Acq: 13 Nov 2019 13:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
63	100		
65	17.8	23.9	44.5#
83	9.6	10.1	18.9#

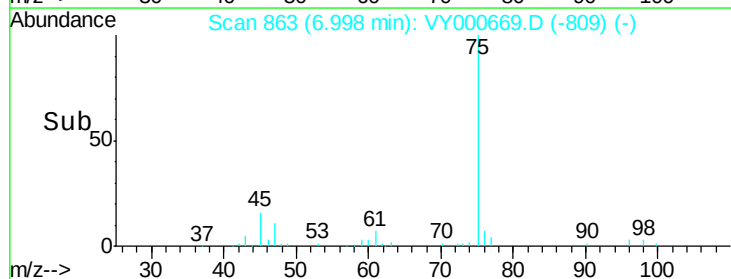
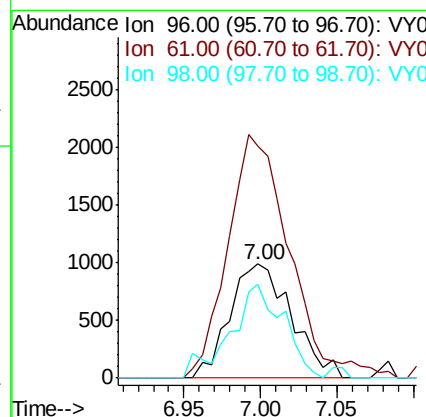
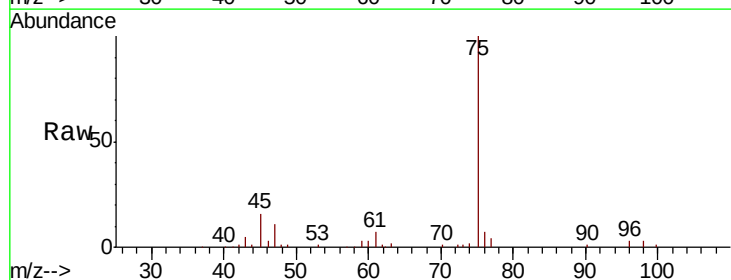
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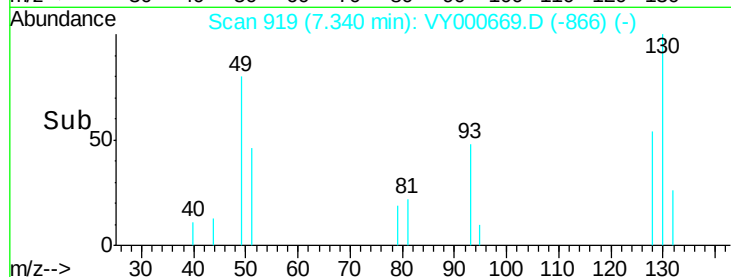
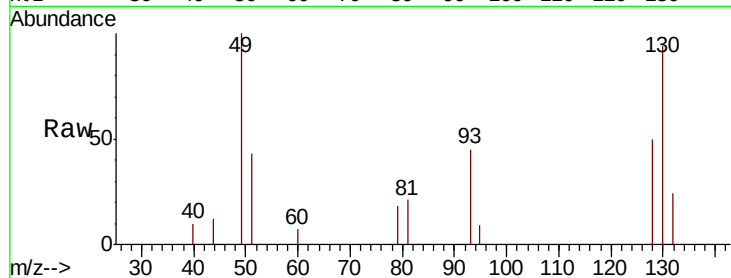
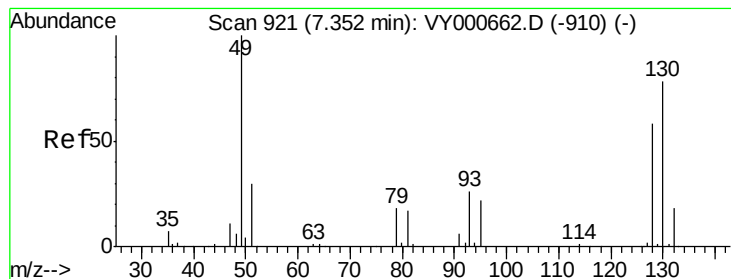
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#22
 cis-1,2-Dichloroethene
 Concen: 0.507 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY000669.D
 Acq: 13 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	203.5	86.8	161.2#
98	82.7	44.6	82.8





#23

Bromochloromethane

Concen: 0.475 ug/L m

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Tot Ion:	128	Resp:	1138
Ion	Ratio	Lower	Upper
128	100		
49	198.8	131.5	244.3
130	186.1	96.7	179.5#
51	85.7	45.3	67.9#

Instrument :

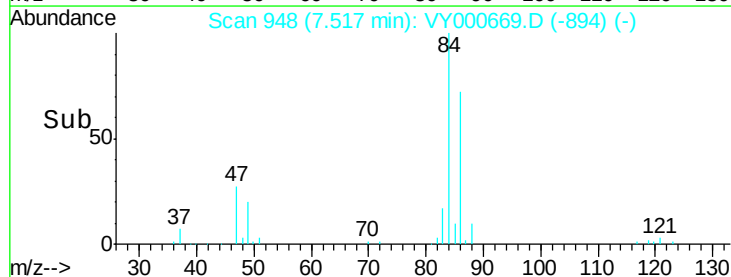
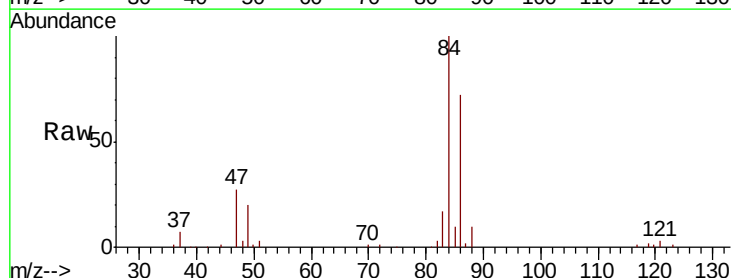
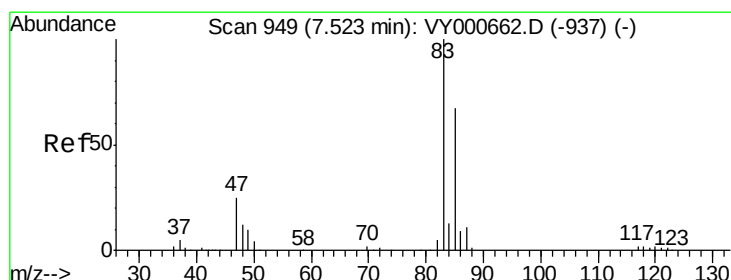
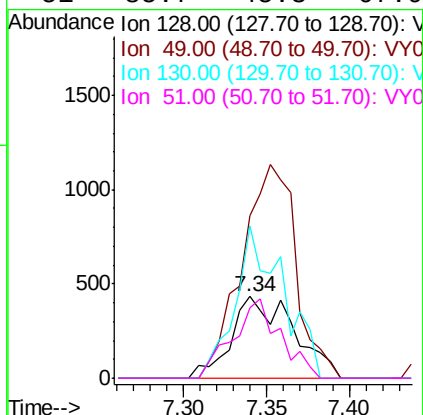
MSVOA_Y

ClientSampleId :

MDL06

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#25

Chloroform

Concen: 1.166 ug/L

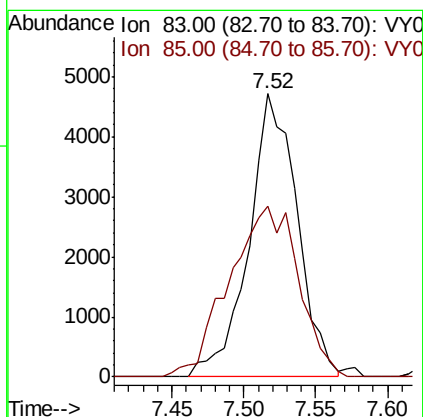
RT: 7.52 min Scan# 948

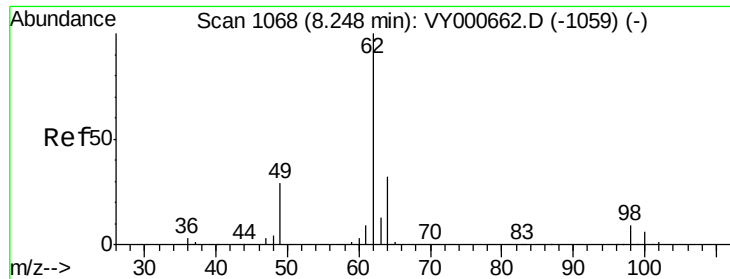
Delta R.T. 0.00 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Tgt Ion:	83	Resp:	10963
Ion	Ratio	Lower	Upper
83	100		
85	85.2	45.6	84.6#





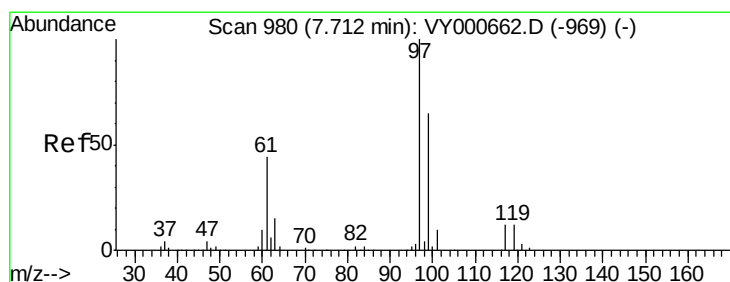
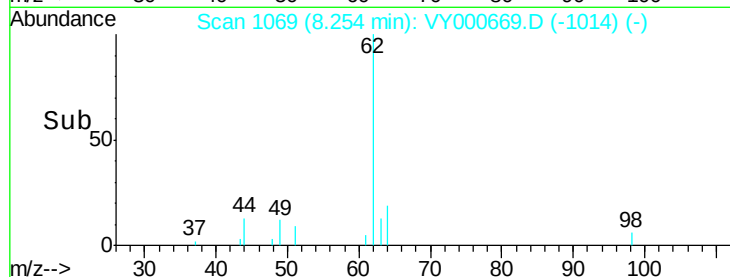
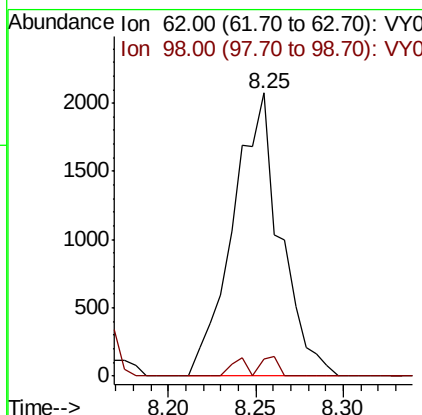
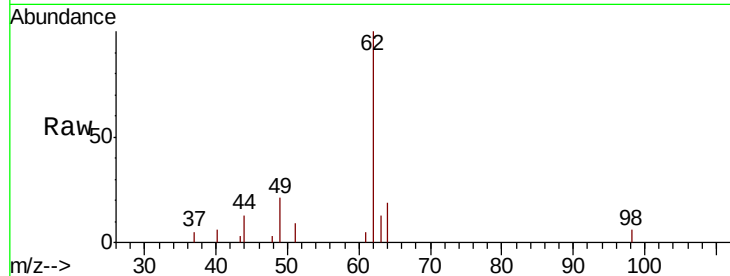
#27
 1,2-Dichloroethane
 Concen: 0.623 ug/L
 RT: 8.25 min Scan# 1069
 Delta R.T. 0.01 min
 Lab File: VY000669.D
 Acq: 13 Nov 2019 13:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	7.5	11.3#

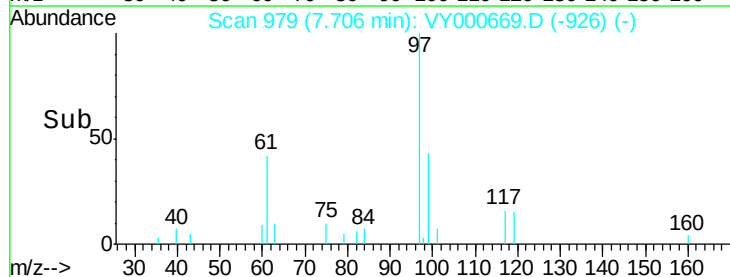
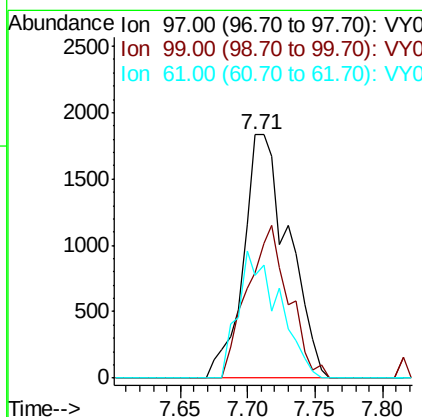
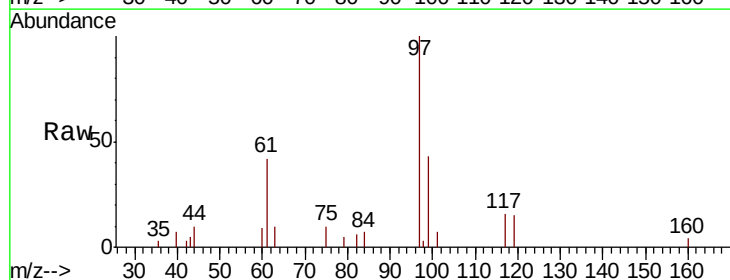
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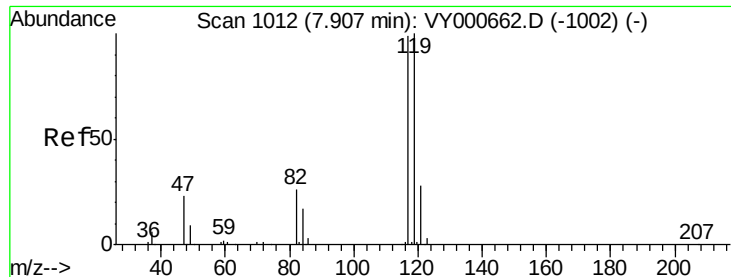
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#31
 1,1,1-Trichloroethane
 Concen: 0.555 ug/L m
 RT: 7.71 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: VY000669.D
 Acq: 13 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.4	51.4	77.0
61	46.9	34.7	52.1





#32

Carbon tetrachloride

Concen: 0.648 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion:117 Resp: 4341

Ion Ratio Lower Upper

117 100

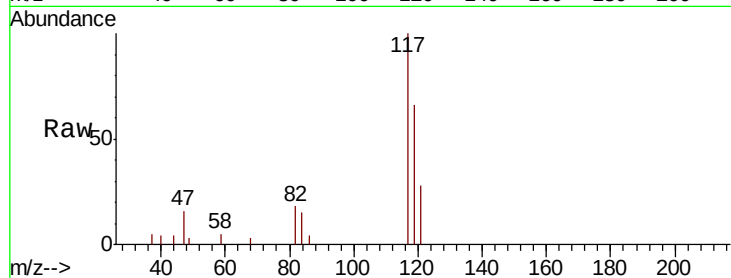
119 90.4 76.2 114.2

Manual Integrations

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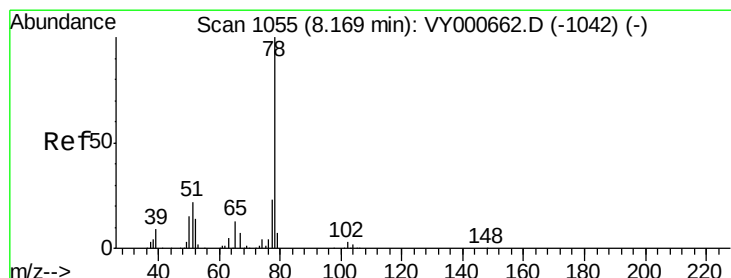
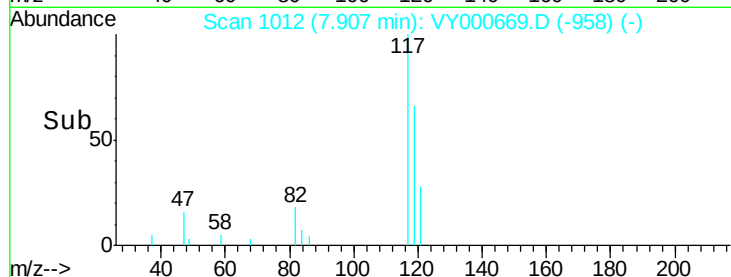
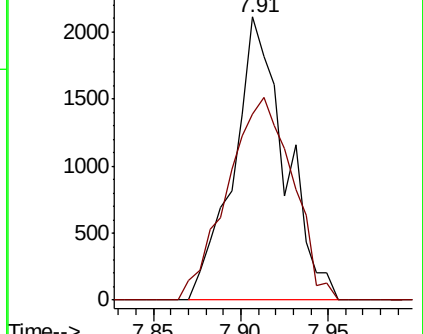
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 0.599 ug/L

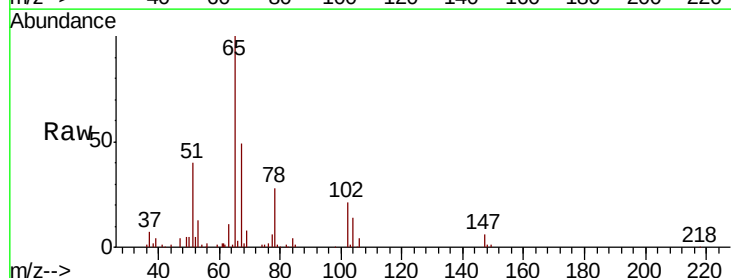
RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

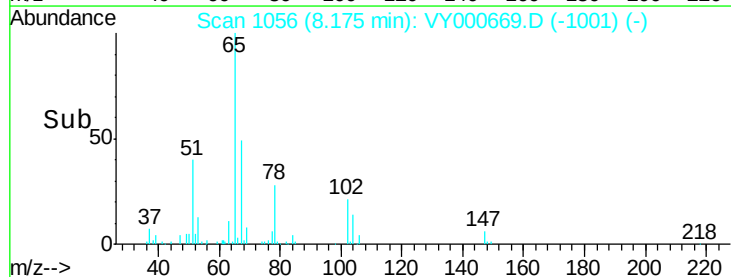
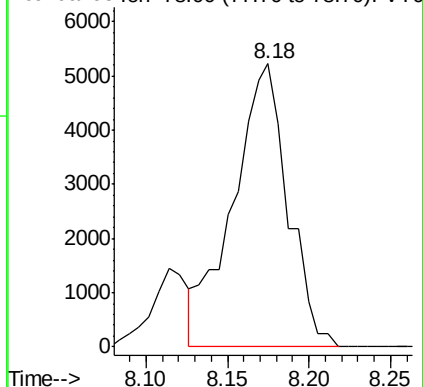
Lab File: VY000669.D

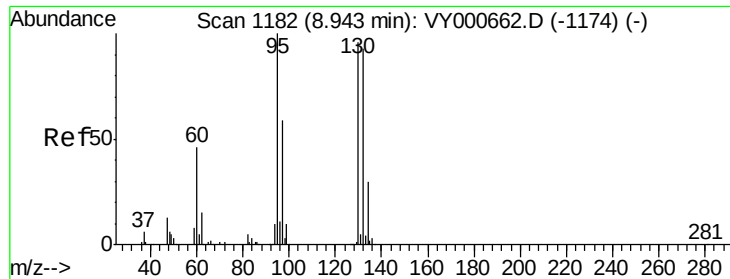
Acq: 13 Nov 2019 13:42

Tgt Ion: 78 Resp: 12222



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 0.579 ug/L m

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Instrument :

MSVOA_Y

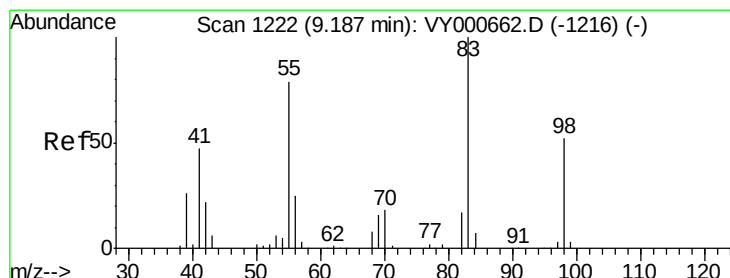
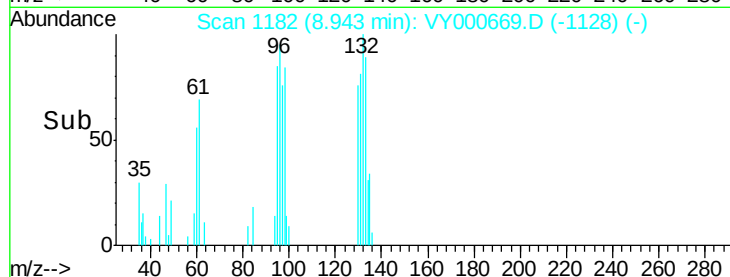
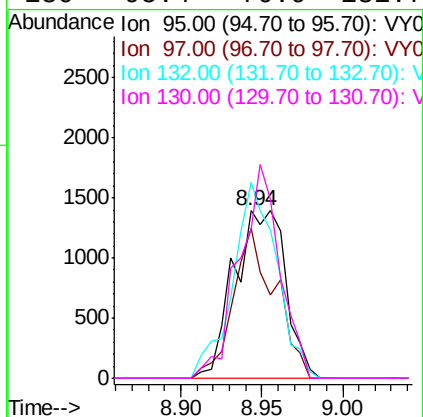
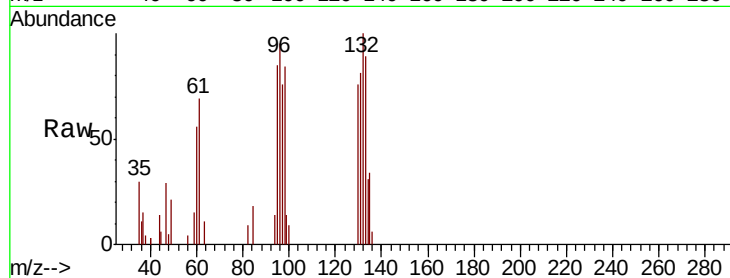
ClientSampled :

MDL06

Tot Ion:	95	Resp:	3099
Ion	Ratio	Lower	Upper
95	100		
97	56.8	44.4	82.4
132	99.0	66.8	124.0
130	95.4	70.9	131.7

Manual Integrations
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#36

Methylcyclohexane

Concen: 0.543 ug/L

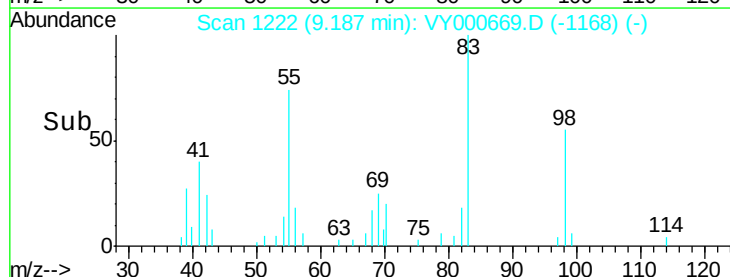
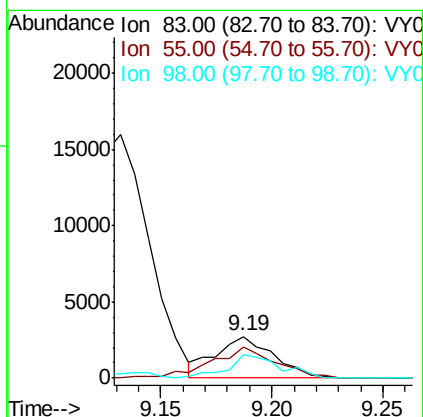
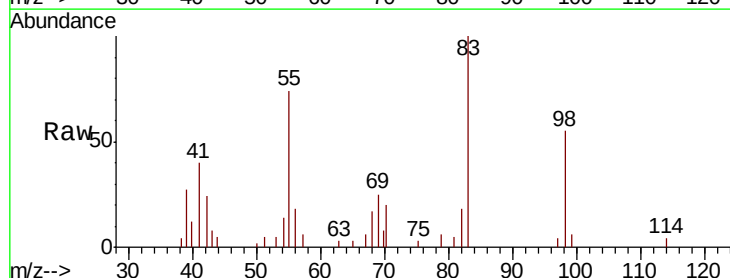
RT: 9.19 min Scan# 1222

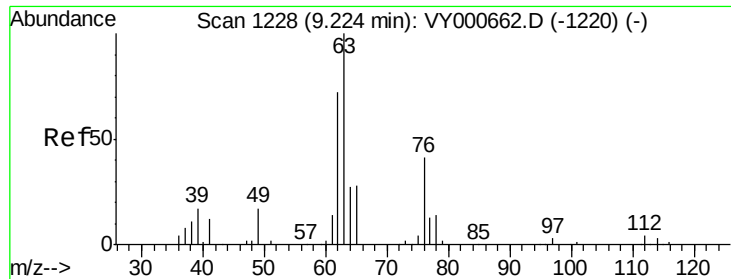
Delta R.T. 0.00 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Tgt Ion:	83	Resp:	4969
Ion	Ratio	Lower	Upper
83	100		
55	79.6	60.0	90.0
98	43.7	40.2	60.2





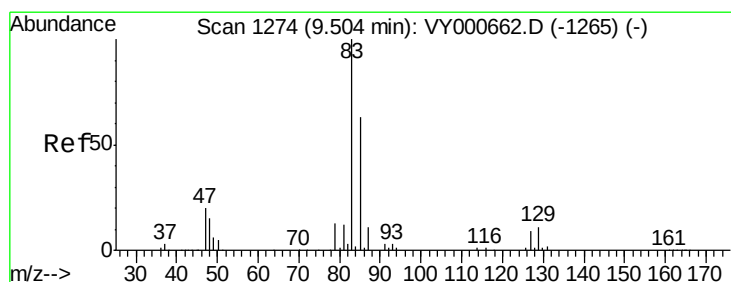
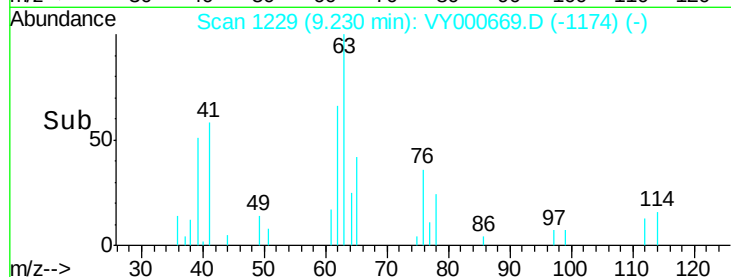
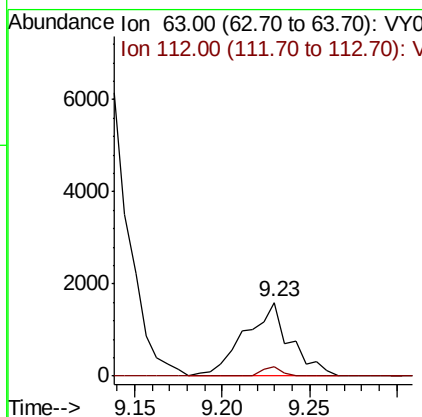
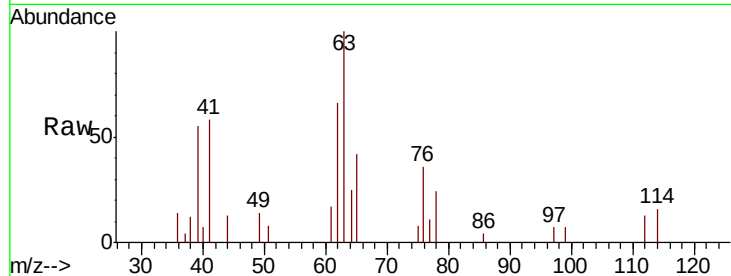
#40
1,2-Dichloropropane
Concen: 0.561 ug/L
RT: 9.23 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Instrument :
MSVOA_Y
ClientSampled :
MDL06

Tot Ion: 63 Resp: 2900
Ion Ratio Lower Upper
63 100
112 5.3 3.2 4.8#

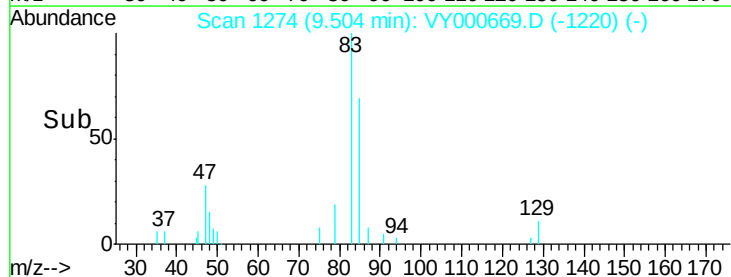
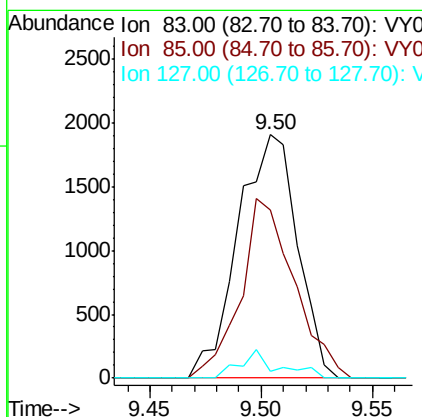
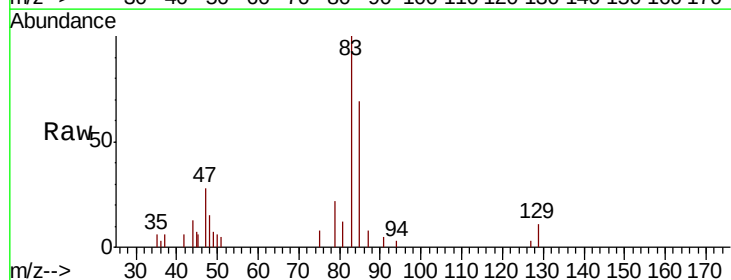
Manual Integrations
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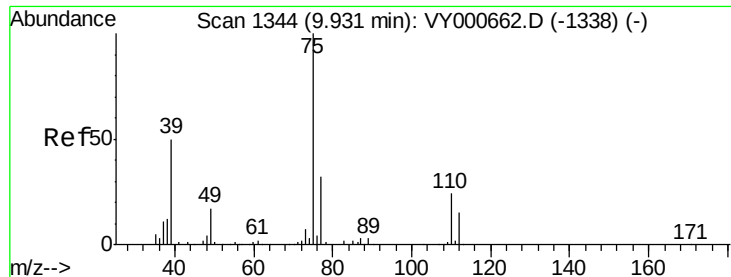
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#41
Bromodichloromethane
Concen: 0.533 ug/L
RT: 9.50 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Tgt Ion: 83 Resp: 3545
Ion Ratio Lower Upper
83 100
85 69.1 46.1 85.5
127 2.8 6.5 9.7#





#42

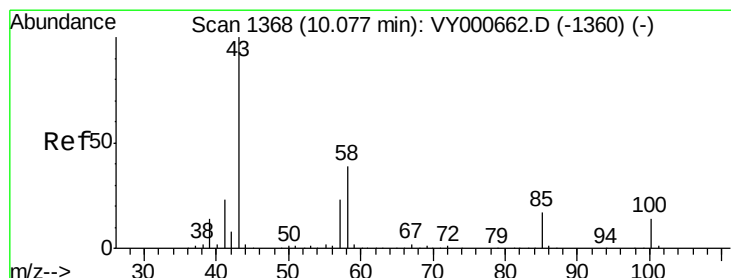
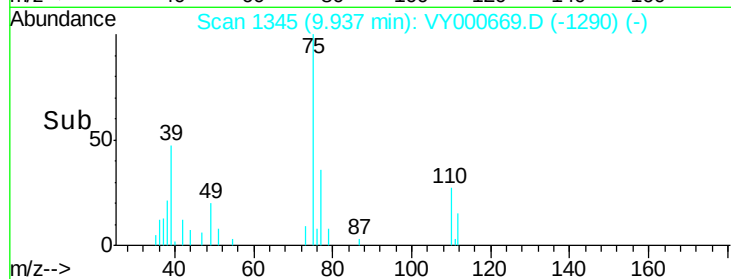
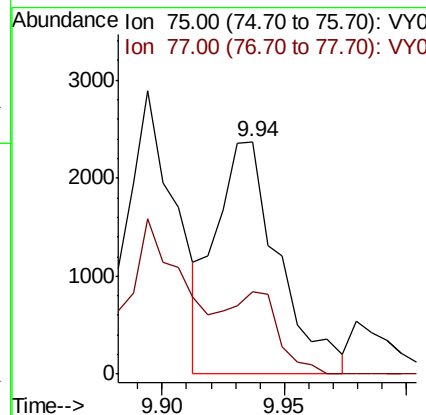
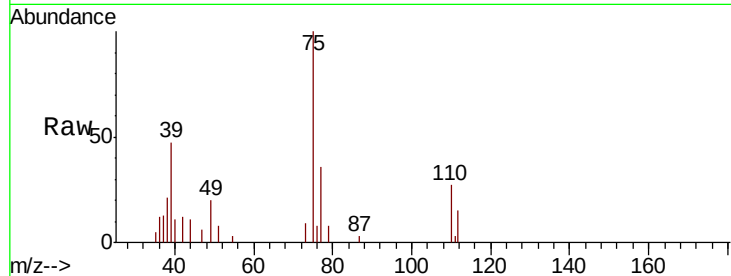
cis-1,3-Dichloropropene
Concen: 0.506 ug/L
RT: 9.94 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Instrument :
MSVOA_Y
ClientSampled :
MDL06

Tot Ion: 75 Resp: 4215
Ion Ratio Lower Upper
75 100
77 35.6 21.7 40.3

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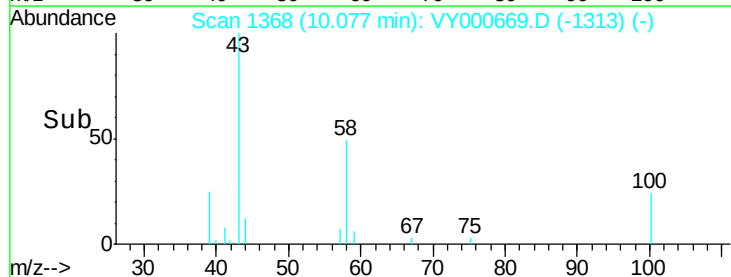
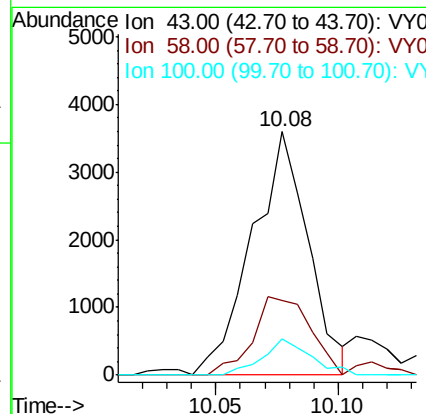
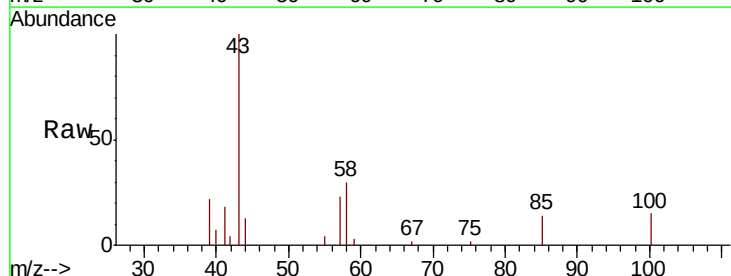
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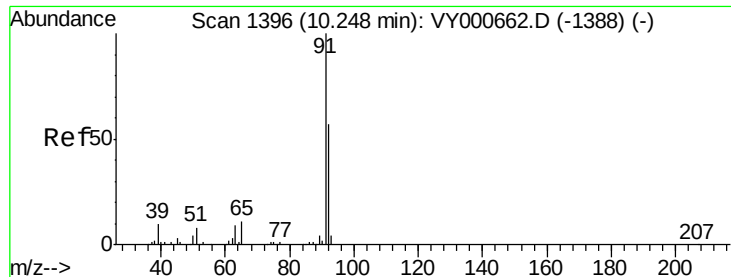


#43

4-Methyl-2-pentanone
Concen: 1.158 ug/L
RT: 10.08 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Tgt Ion: 43 Resp: 5725
Ion Ratio Lower Upper
43 100
58 32.6 30.6 45.8
100 12.8 12.0 18.0





#44

Toluene

Concen: 0.575 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Instrument :

MSVOA_Y

ClientSampled :

MDL06

Tot Ion: 91 Resp: 12670

Ion Ratio Lower Upper

91 100

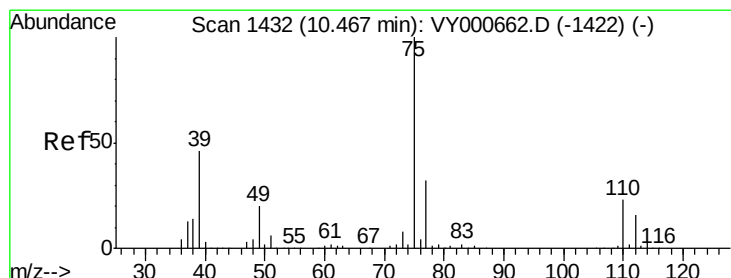
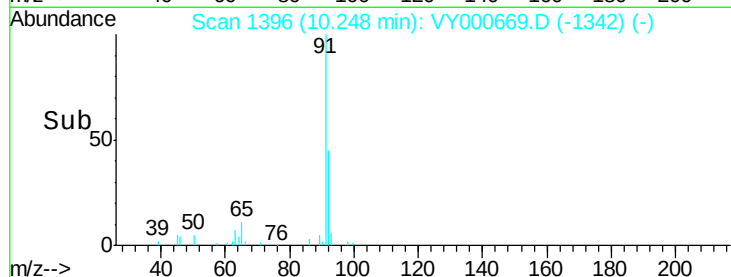
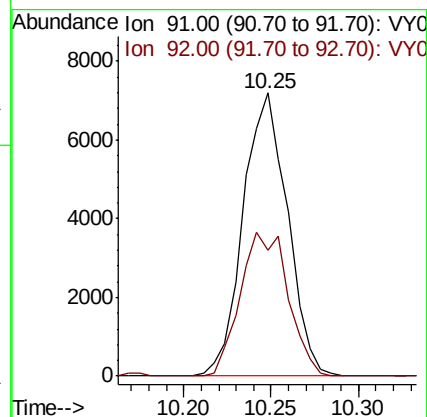
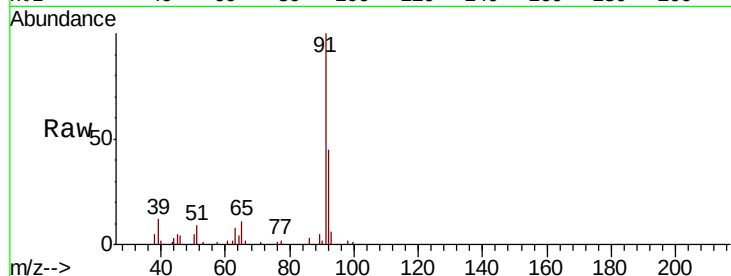
92 44.5 39.5 73.4

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#45

trans-1,3-Dichloropropene

Concen: 0.440 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000669.D

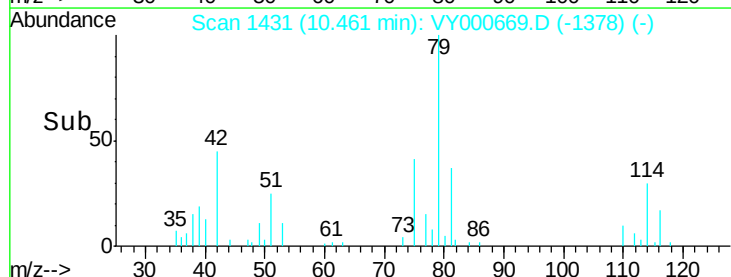
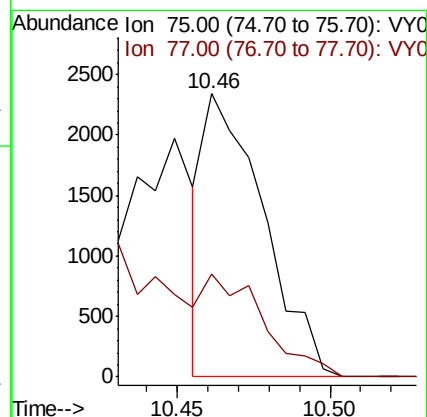
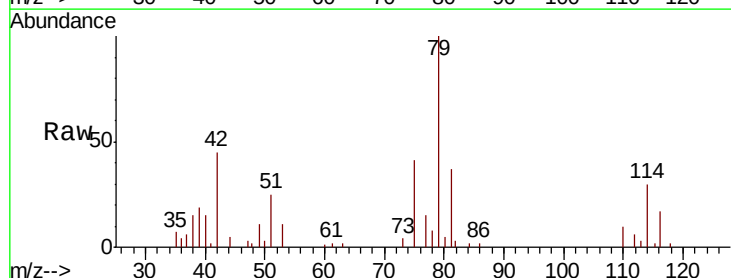
Acq: 13 Nov 2019 13:42

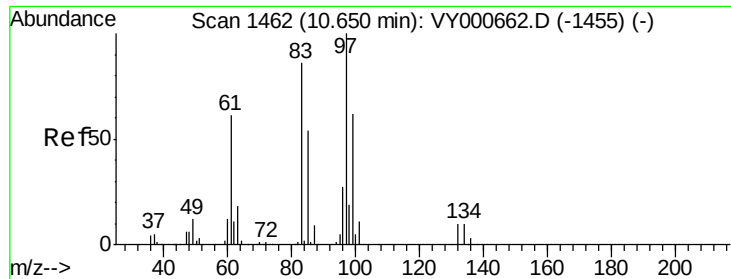
Tgt Ion: 75 Resp: 3145

Ion Ratio Lower Upper

75 100

77 36.4 20.4 37.8





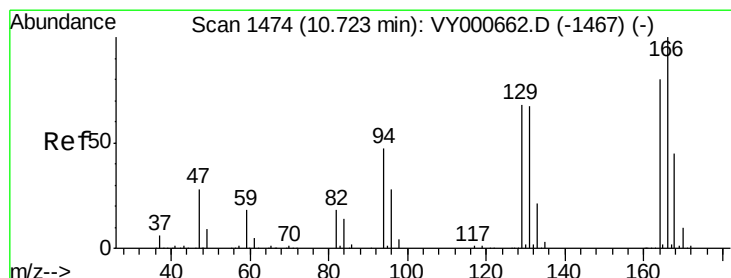
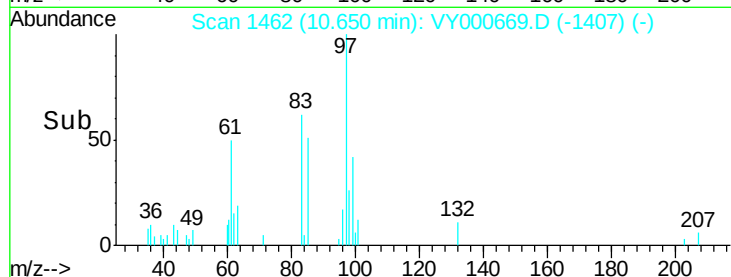
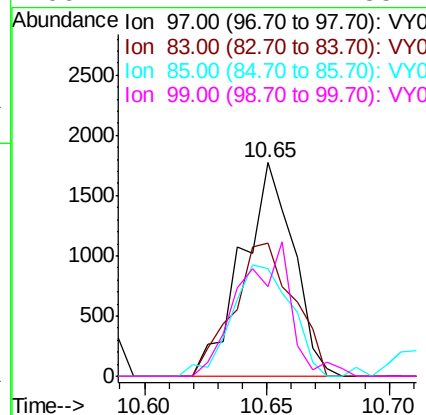
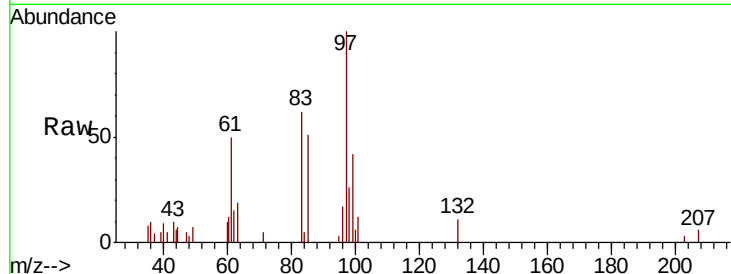
#46
1,1,2-Trichloroethane
Concen: 0.613 ug/L
RT: 10.65 min Scan# 1462
Delta R.T. 0.01 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Instrument :
MSVOA_Y
ClientSampled :
MDL06

Tot Ion: 97 Resp: 2597
Ion Ratio Lower Upper
97 100
83 62.4 58.7 109.1
85 50.5 37.3 69.3
99 41.7 44.7 83.1#

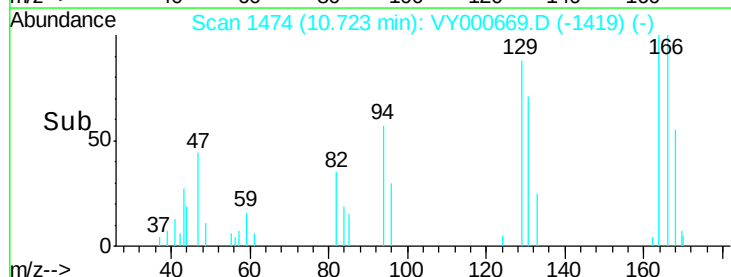
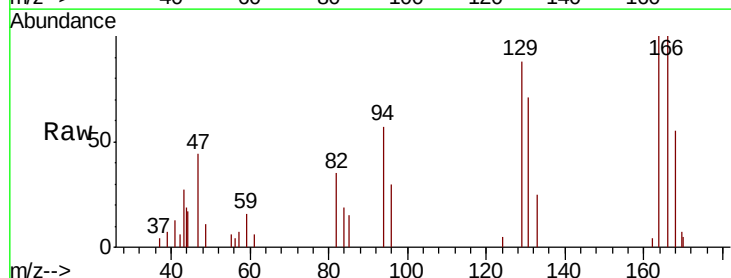
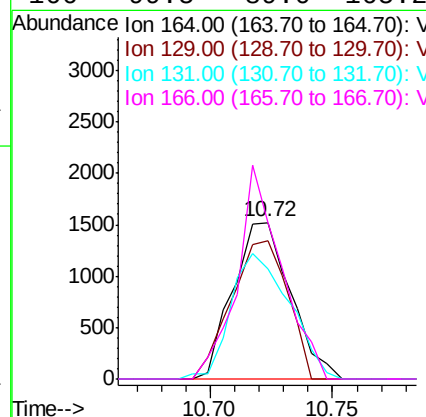
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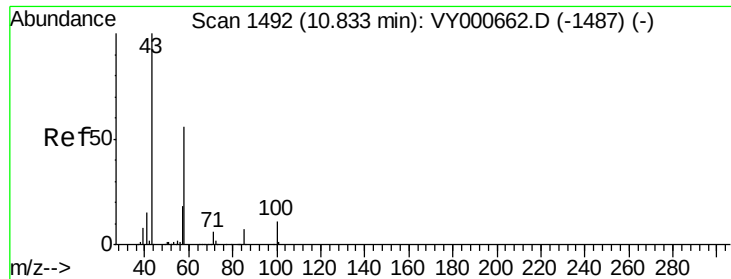
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#47
Tetrachloroethene
Concen: 0.628 ug/L
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Tgt Ion: 164 Resp: 2507
Ion Ratio Lower Upper
164 100
129 88.2 69.6 129.2
131 70.5 66.8 124.2
166 99.5 89.0 165.2





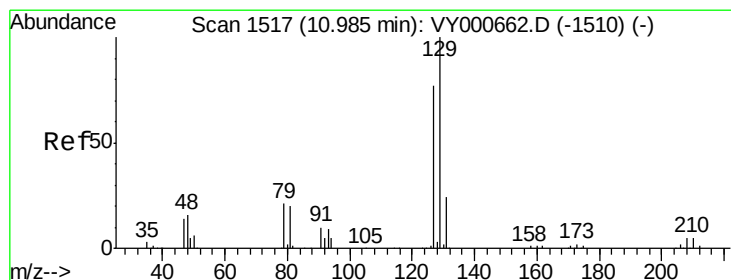
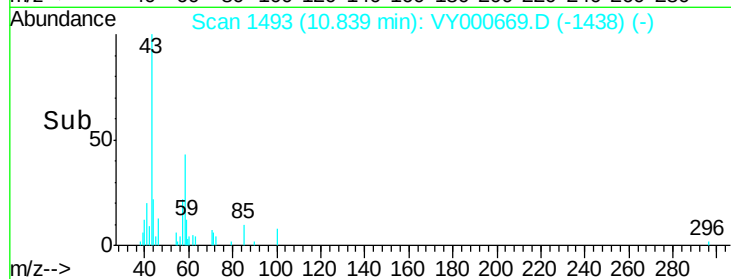
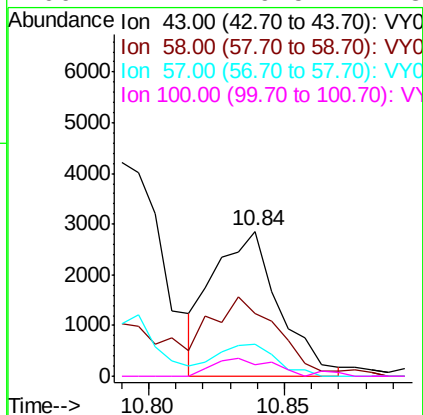
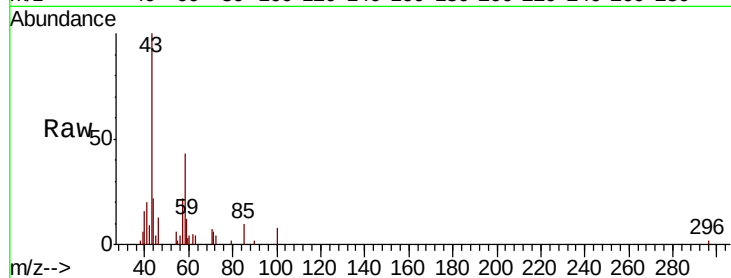
#49
2-Hexanone
Concen: 1.252 ug/L
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Instrument :
MSVOA_Y
ClientSampled :
MDL06

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	54.7	44.1	66.1	
57	20.3	13.9	20.9	
100	11.1	9.5	14.3	

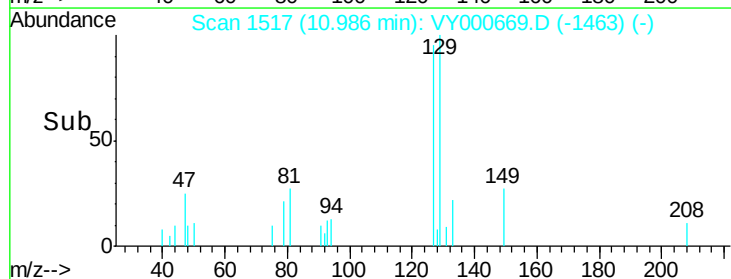
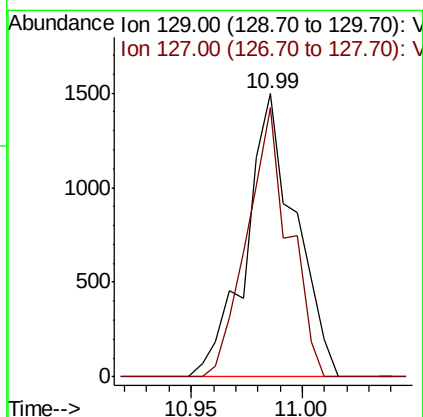
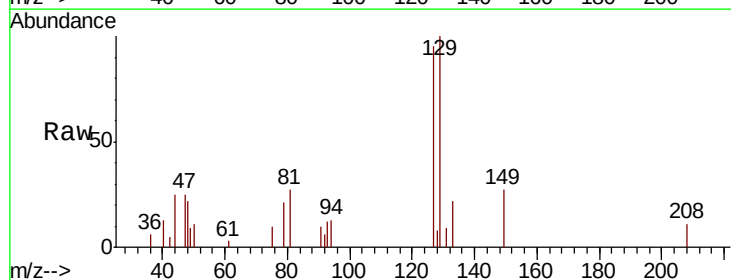
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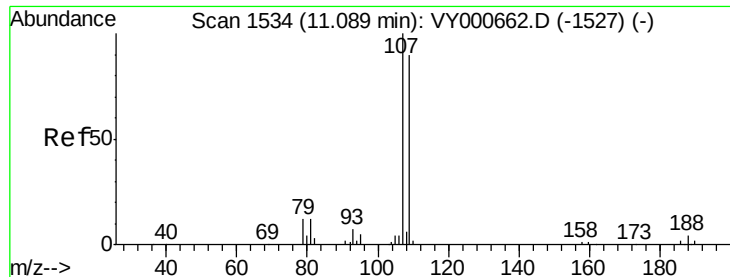
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#50
Dibromochloromethane
Concen: 0.479 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	95.0	57.9	107.5	





#51

1,2-Dibromoethane

Concen: 0.553 ug/L

RT: 11.10 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Instrument :

MSVOA_Y

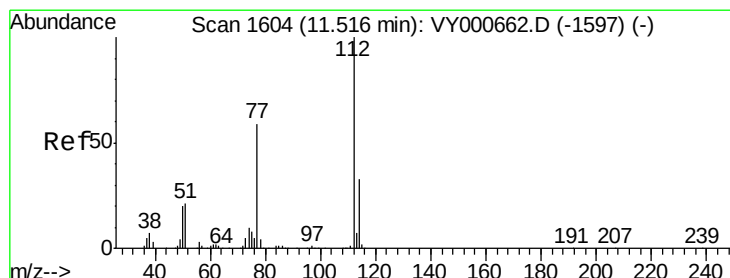
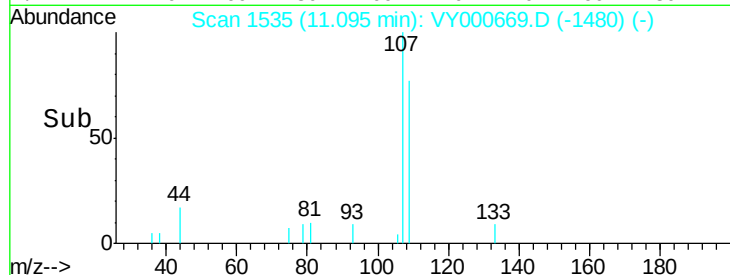
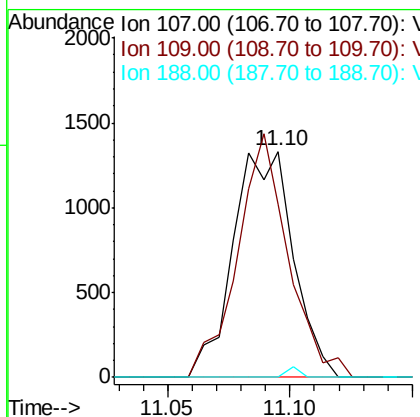
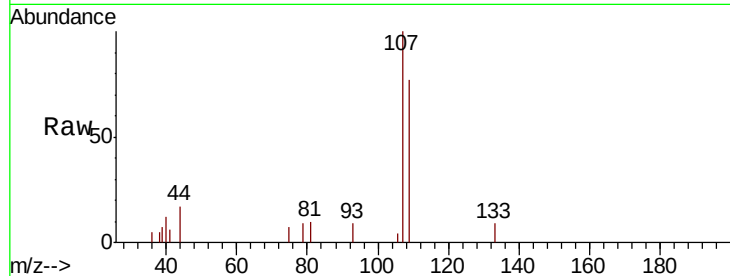
ClientSampleId :

MDL06

Tot Ion:	107	Resp:	2280
Ion Ratio	Lower	Upper	
107	100		
109	76.7	65.5	121.6
188	0.0	2.7	4.1#

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#52

Chlorobenzene

Concen: 0.517 ug/L

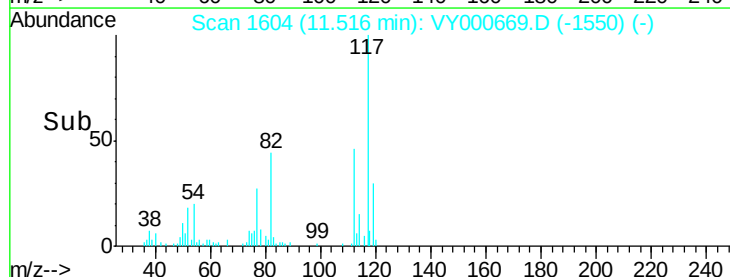
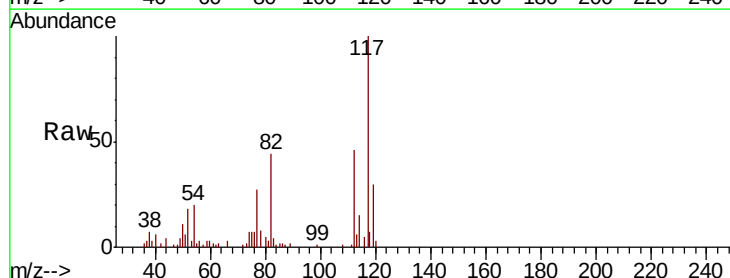
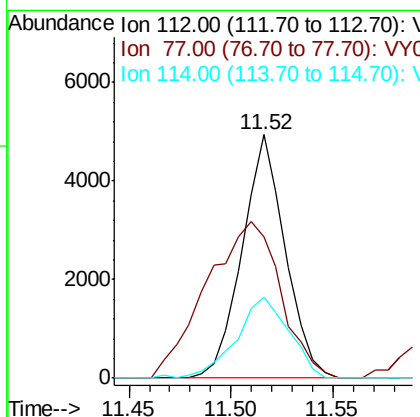
RT: 11.52 min Scan# 1604

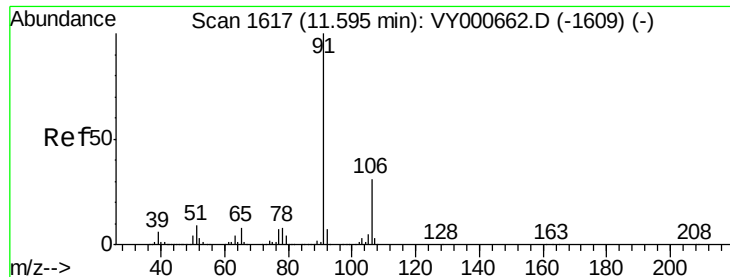
Delta R.T. 0.00 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Tgt Ion:	112	Resp:	7239
Ion Ratio	Lower	Upper	
112	100		
77	58.1	47.4	71.0
114	33.0	23.0	42.6





#53

Ethylbenzene

Concen: 0.524 ug/L

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 13069

Ion Ratio Lower Upper

91 100

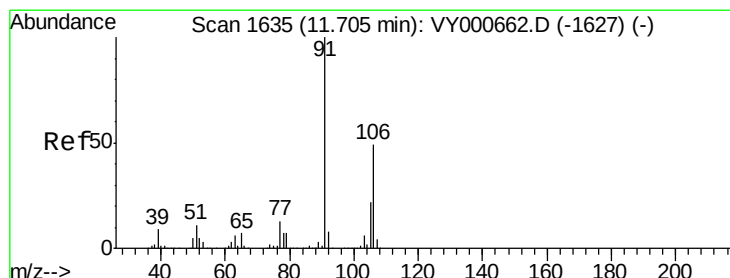
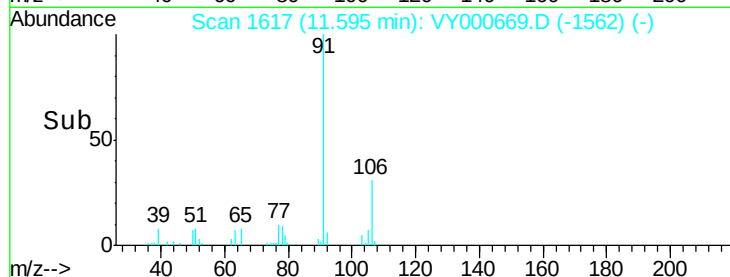
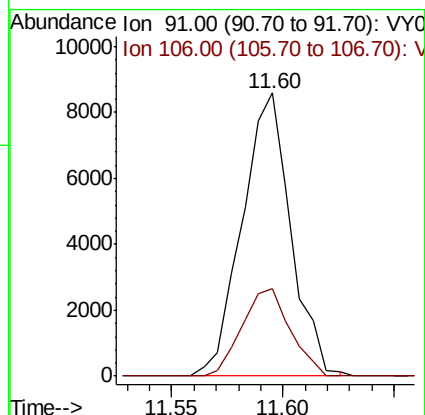
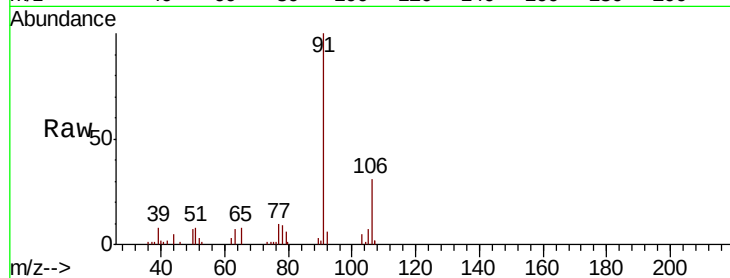
106 31.0 20.9 38.7

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#54

m,p-Xylene

Concen: 0.507 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000669.D

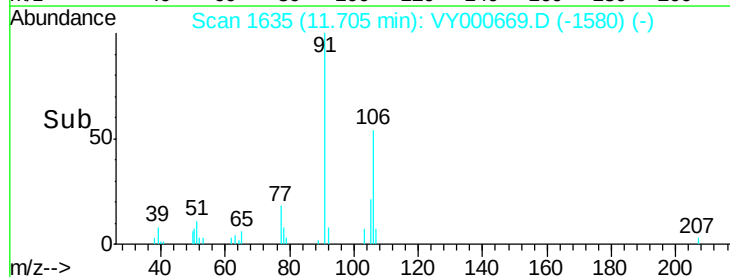
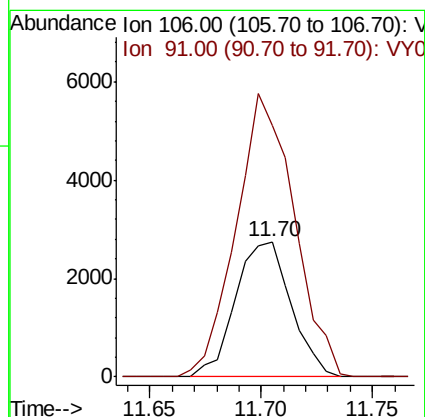
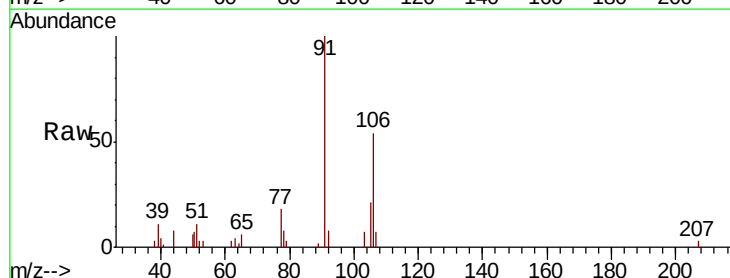
Acq: 13 Nov 2019 13:42

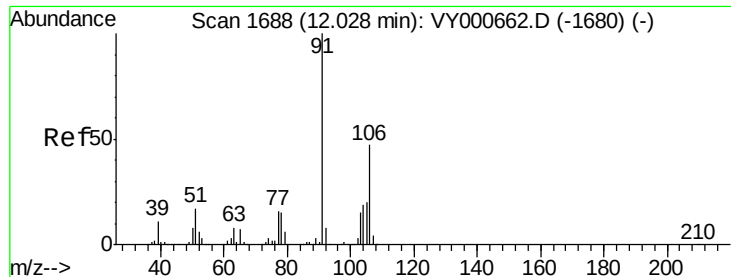
Tgt Ion: 106 Resp: 4783

Ion Ratio Lower Upper

106 100

91 185.9 137.4 255.2





#55

o-xylene

Concen: 0.514 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Instrument :

MSVOA_Y

ClientSampled :

MDL06

Tot Ion:106 Resp: 4767

Ion Ratio Lower Upper

106 100

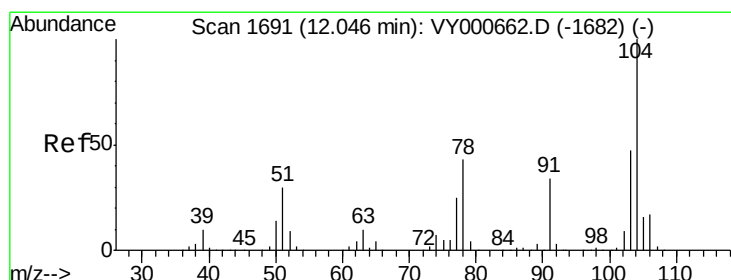
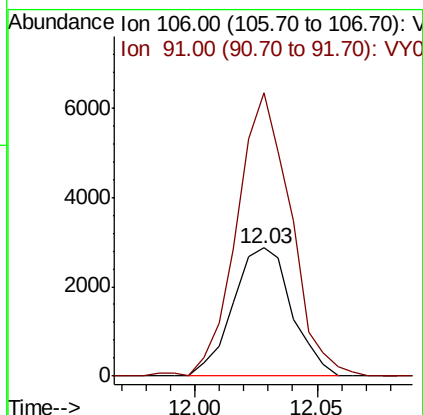
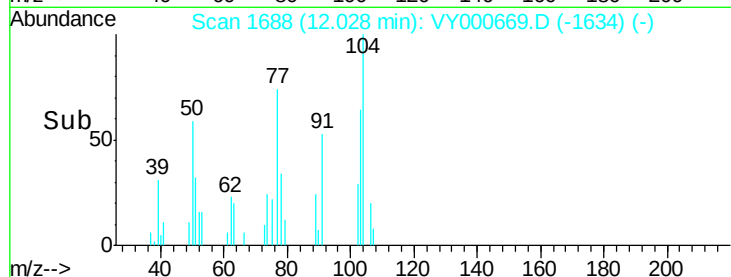
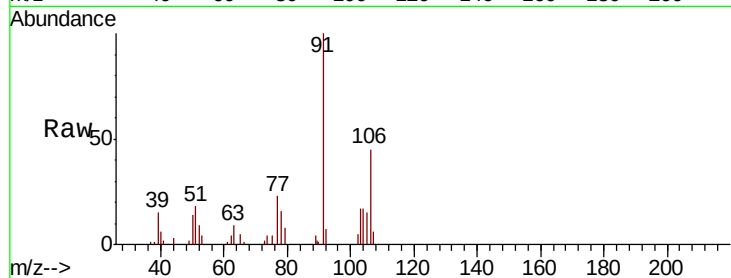
91 220.9 147.8 274.6

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#56

Styrene

Concen: 0.450 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VY000669.D

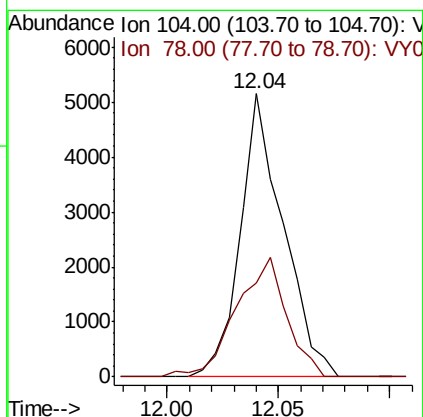
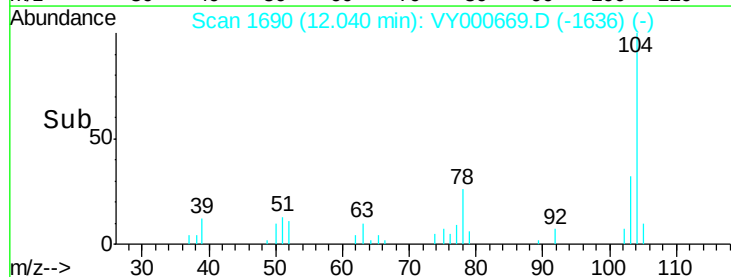
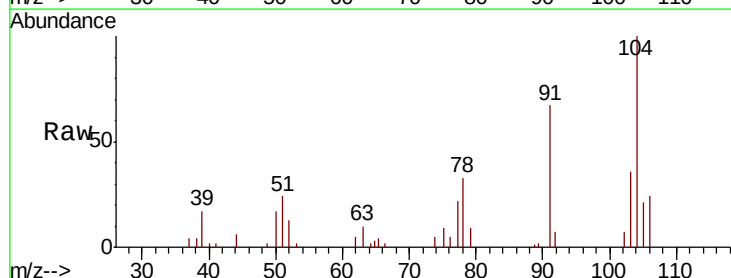
Acq: 13 Nov 2019 13:42

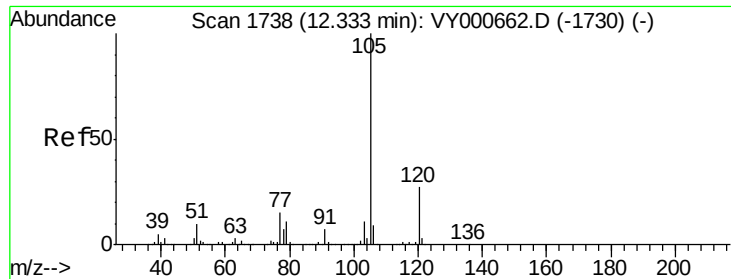
Tgt Ion:104 Resp: 6927

Ion Ratio Lower Upper

104 100

78 33.3 31.5 58.5





#57

Isopropylbenzene

Concen: 0.506 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Instrument :

MSVOA_Y

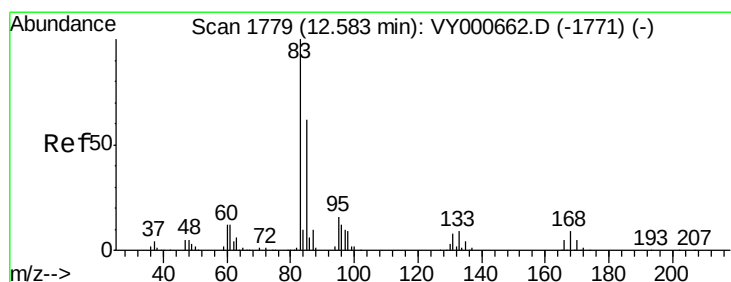
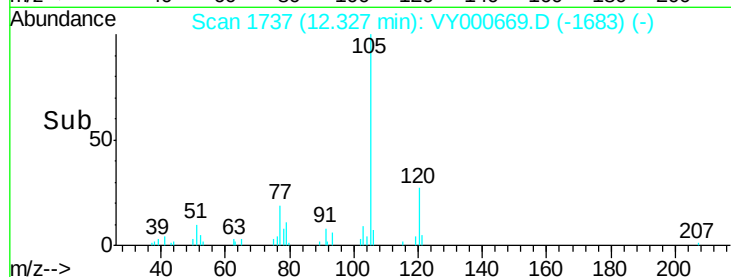
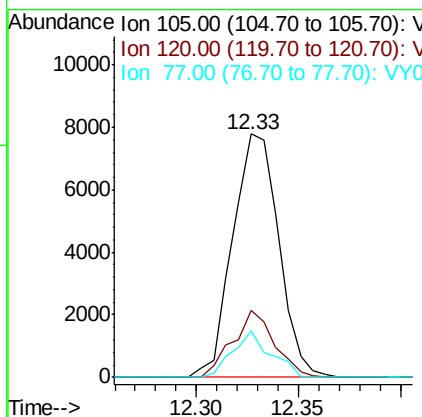
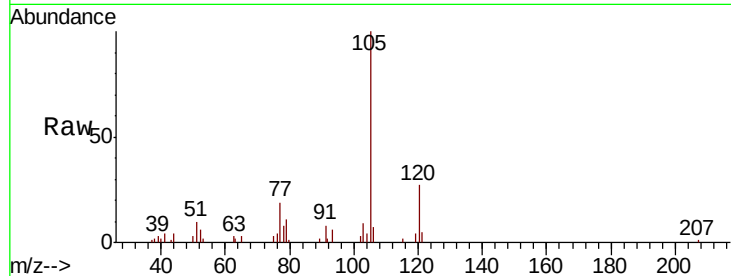
ClientSampled :

MDL06

Tot Ion:	105	Resp:	12195
Ion Ratio	Lower	Upper	
105	100		
120	24.9	21.5	32.3
77	15.6	12.6	19.0

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.610 ug/L

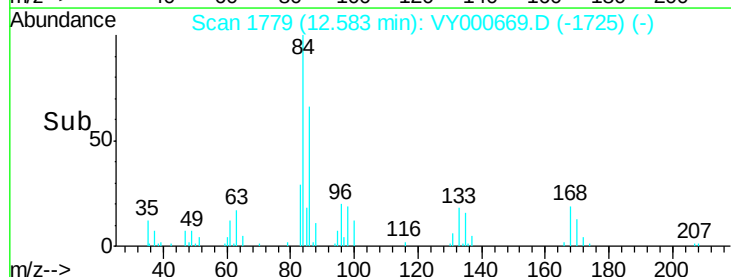
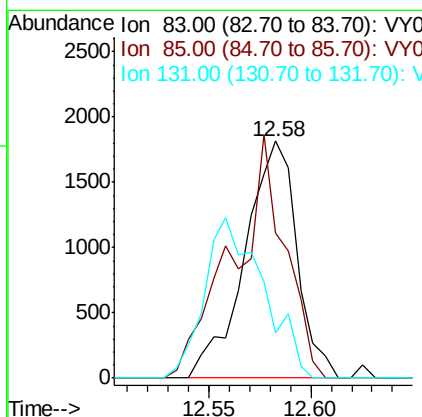
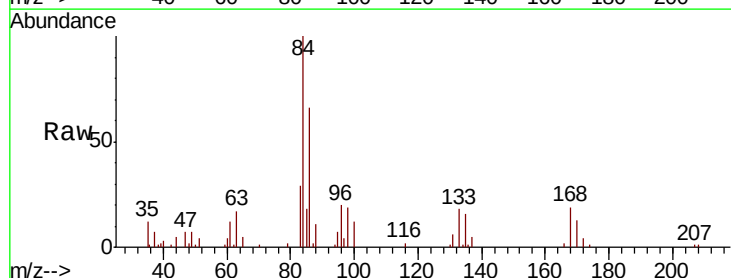
RT: 12.58 min Scan# 1779

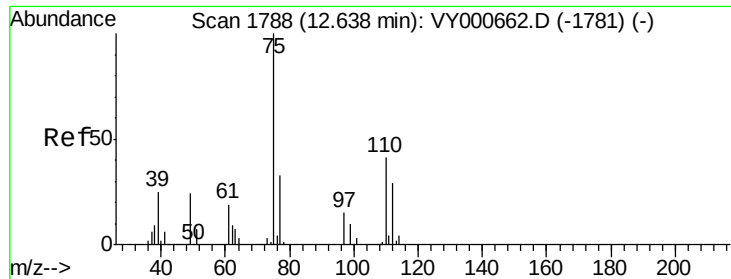
Delta R.T. 0.00 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Tgt Ion:	83	Resp:	3229
Ion Ratio	Lower	Upper	
83	100		
85	61.5	45.0	83.6
131	19.2	7.8	11.6#





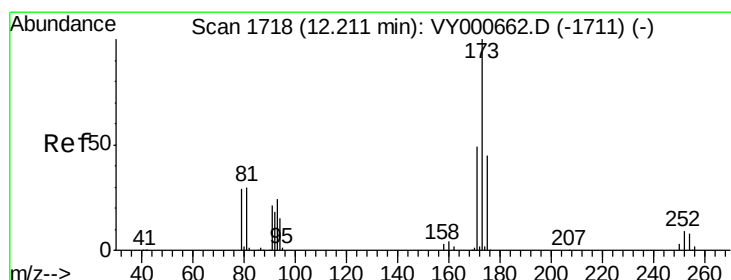
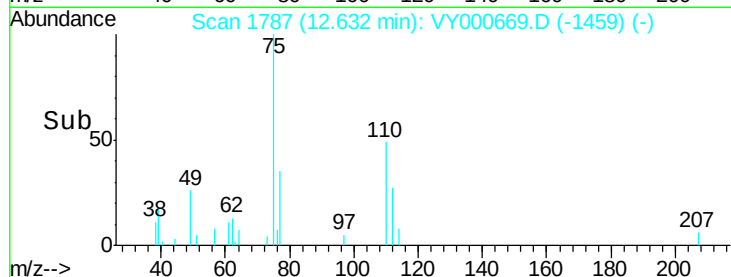
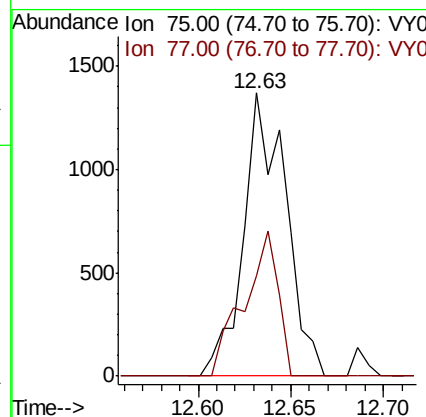
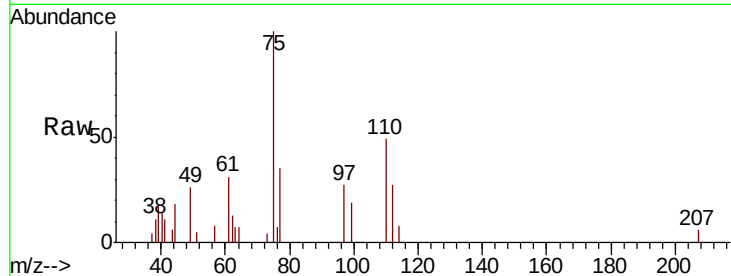
#59
 1,2,3-Trichloropropane
 Concen: 0.502 ug/L m
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY000669.D
 Acq: 13 Nov 2019 13:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion: 75 Resp: 2159
 Ion Ratio Lower Upper
 75 100
 77 335.9 26.4 39.6#

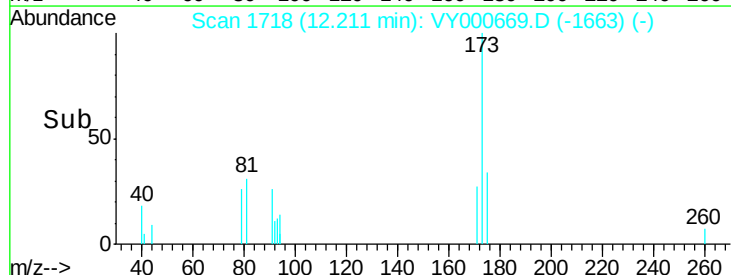
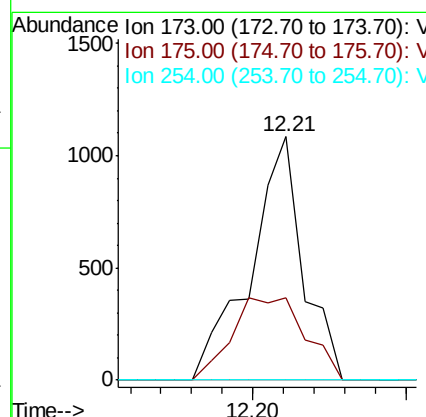
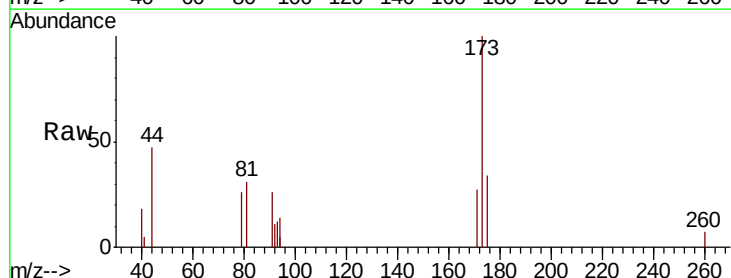
Manual Integrations
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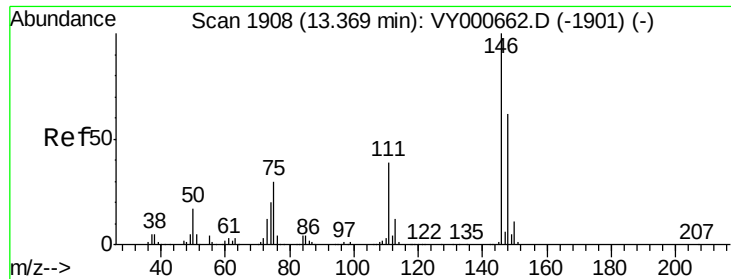
MMDADODA
 11/19/2019 11:59:46 AM



#62
 Bromoform
 Concen: 0.470 ug/L
 RT: 12.21 min Scan# 1718
 Delta R.T. 0.01 min
 Lab File: VY000669.D
 Acq: 13 Nov 2019 13:42

Tgt Ion: 173 Resp: 1299
 Ion Ratio Lower Upper
 173 100
 175 46.7 37.8 56.6
 254 0.0 7.7 11.5#





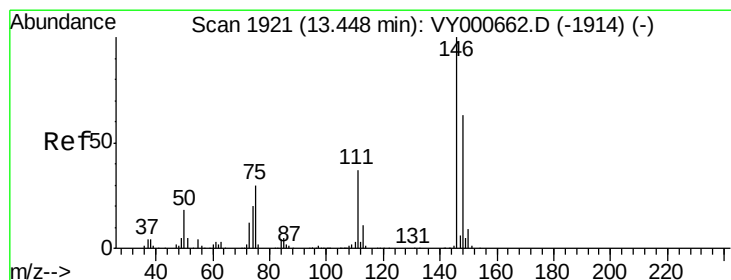
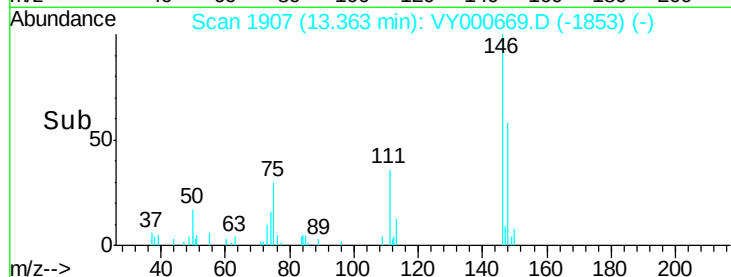
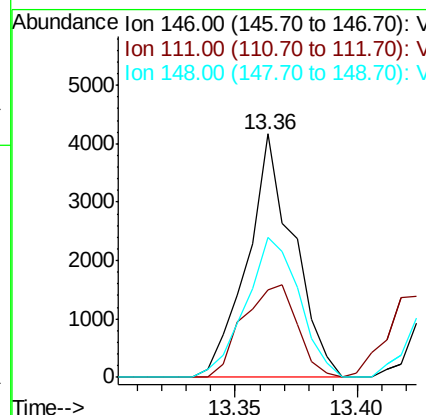
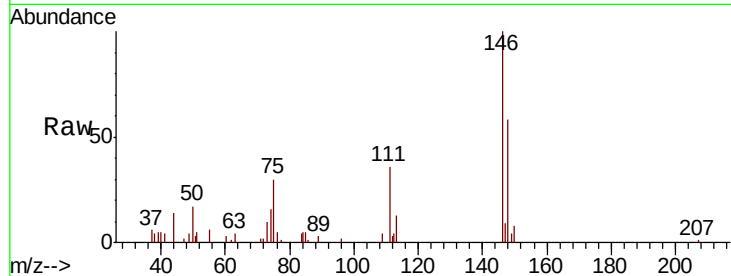
#63
 1,3-Dichlorobenzene
 Concen: 0.531 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000669.D
 Acq: 13 Nov 2019 13:42

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	28.8	53.6
148	57.7	44.3	82.3

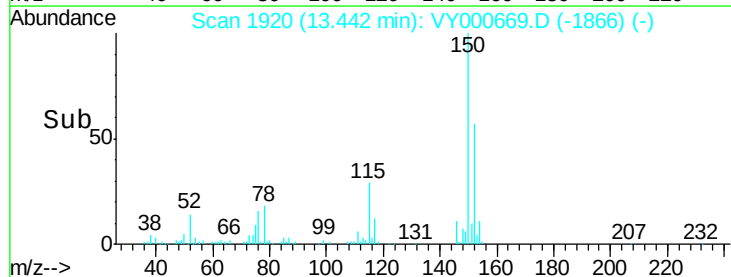
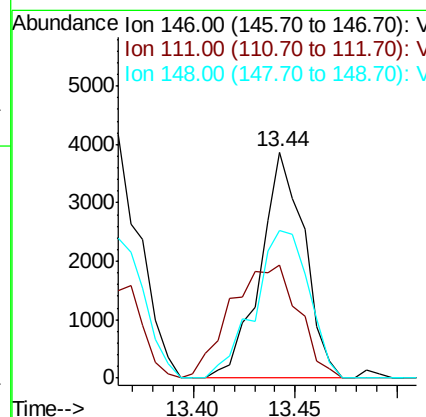
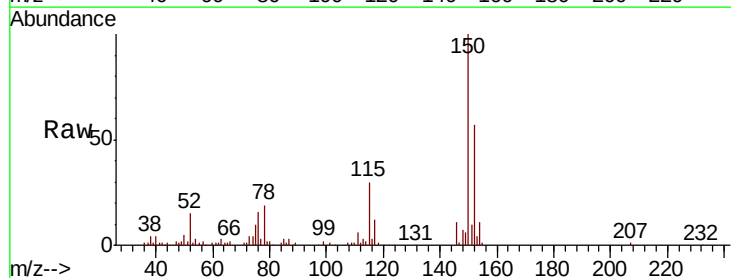
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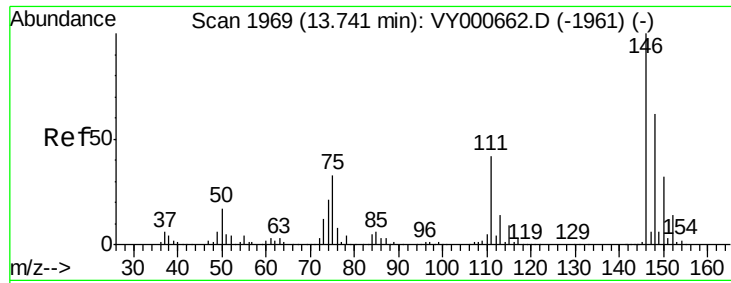
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#64
 1,4-Dichlorobenzene
 Concen: 0.559 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000669.D
 Acq: 13 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.8	26.7	49.5#
148	65.4	45.2	84.0





#65

1,2-Dichlorobenzene

Concen: 0.586 ug/L

RT: 13.74 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Instrument :

MSVOA_Y

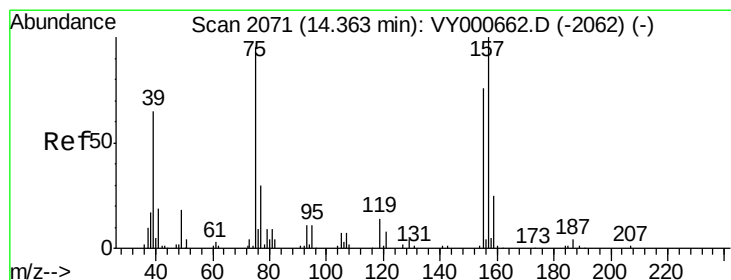
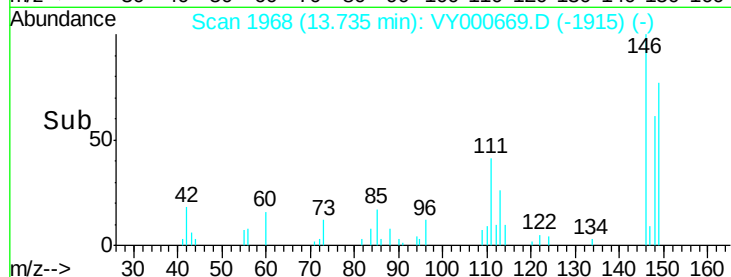
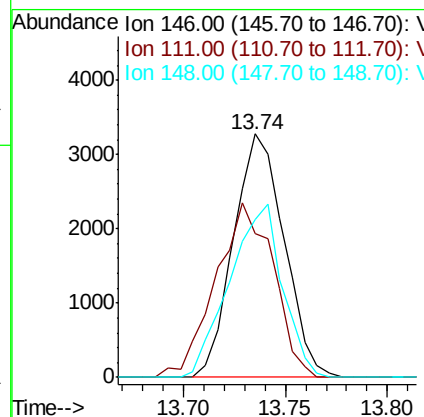
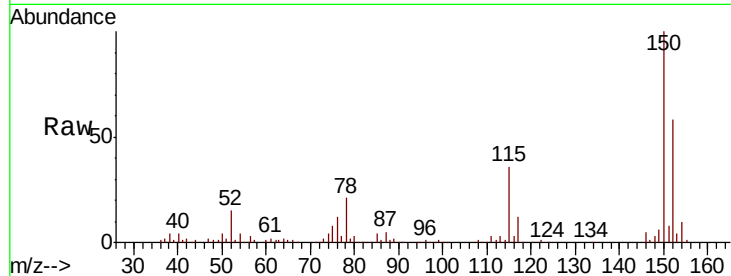
ClientSampled :

MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	58.8	33.8	50.8#
148	64.9	51.0	76.6

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#66

1,2-Dibromo-3-chloropropane

Concen: 0.473 ug/L m

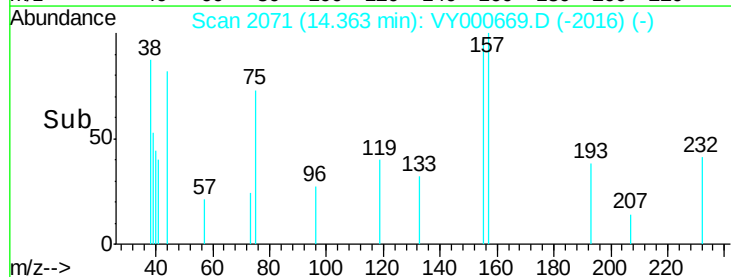
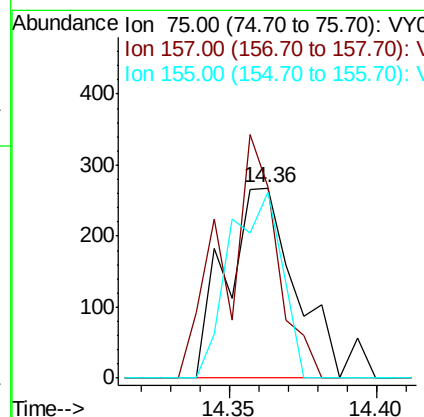
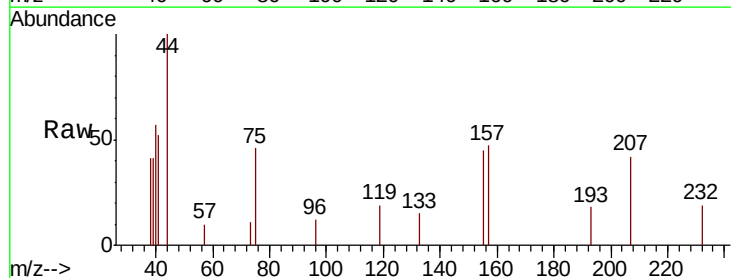
RT: 14.36 min Scan# 2071

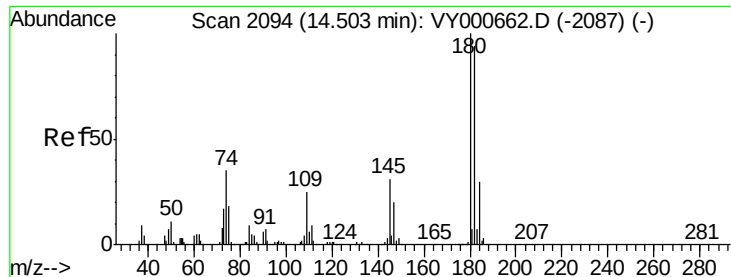
Delta R.T. 0.01 min

Lab File: VY000669.D

Acq: 13 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
157	100.4	78.1	117.1
155	97.8	64.2	96.4#





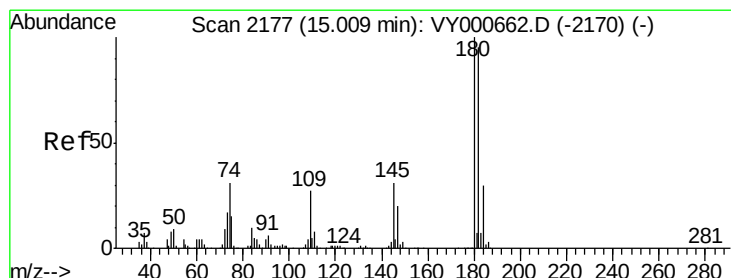
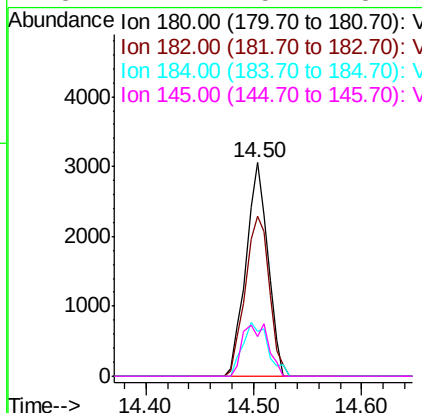
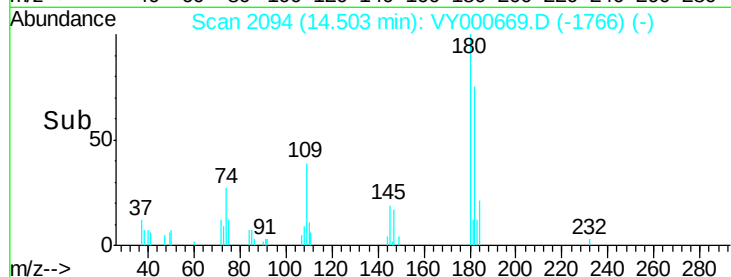
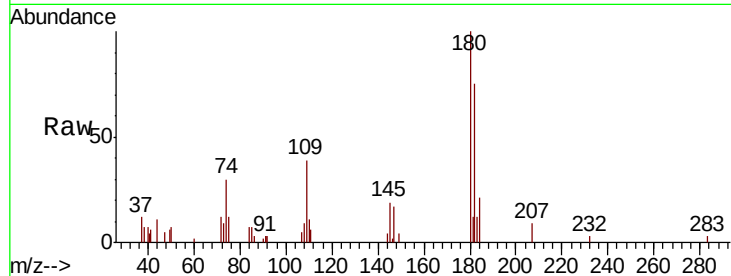
#67
 1,3,5-Trichlorobenzene
 Concen: 0.595 ug/L m
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000669.D
 Acq: 13 Nov 2019 13:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	77.6	75.6	113.4
184	21.5	24.5	36.7#
145	24.1	25.1	37.7#

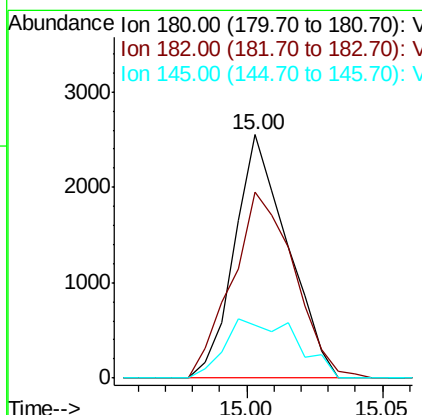
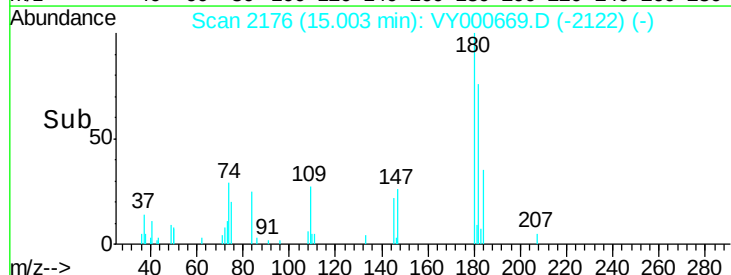
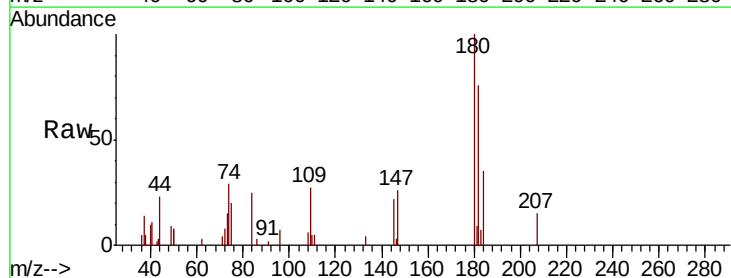
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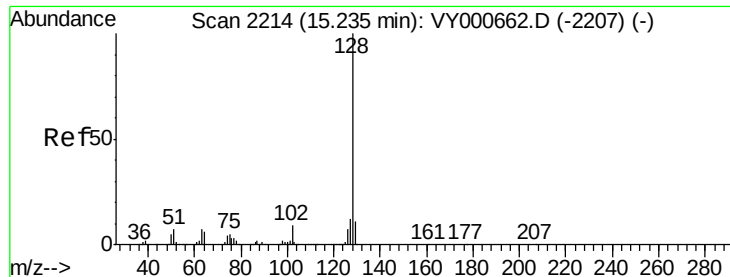
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#68
 1,2,4-trichlorobenzene
 Concen: 0.534 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000669.D
 Acq: 13 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.5	77.5	116.3
145	21.7	25.4	38.2#





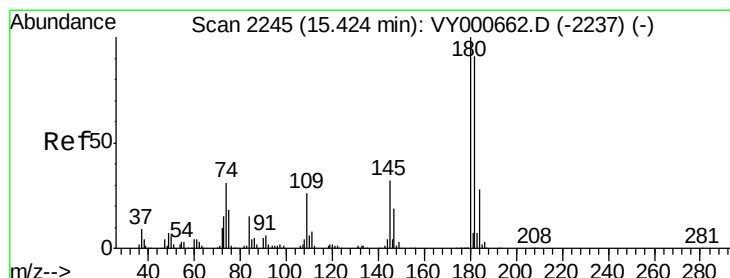
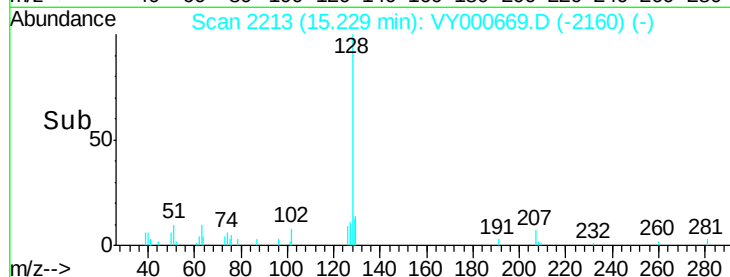
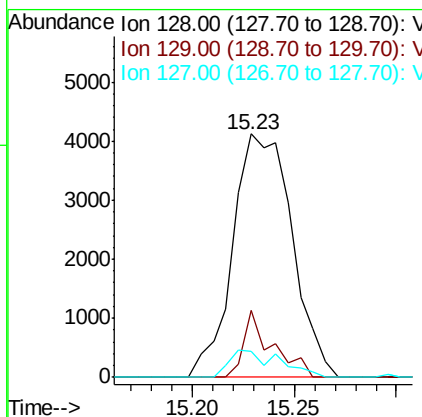
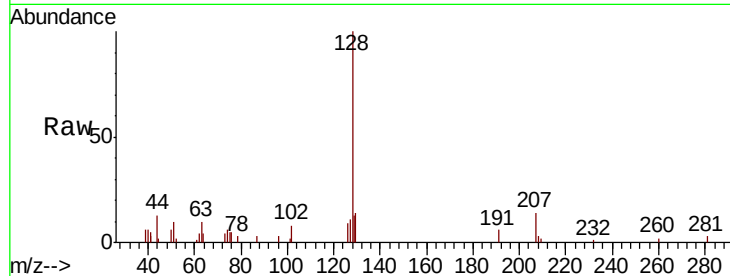
#69
Naphthalene
Concen: 0.515 ug/L
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion	Ratio	Resp	Lower	Upper
128	100	8293		
129	13.1		8.4	12.6#
127	5.7		9.8	14.6#

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#70
1,2,3-Trichlorobenzene
Concen: 0.595 ug/L
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY000669.D
Acq: 13 Nov 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	3579		
182	93.3		76.2	114.4
145	28.9		26.6	39.8

